CALIFORNIA UNDERGROUND STORAGE TANK (UST) LEAK PREVENTION

JANUARY – JUNE 2021 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 2021. Data sources were collected on October 1, 2021, acknowledging that it can sometimes take up to 90 days for data to display in CERS or GeoTracker.

This report was prepared as part of Cooperative Agreement L99T85901 between the U.S. Environmental Protection Agency (USEPA) Region 9 and the State Water Board, Contact Kenneth Dixon at dixon.kenneth@epa.gov or Laura Fisher at laura.fisher@waterboards.ca.gov for more information.

Statewide UST Numbers*

Number of USTs	37,377
Number of UST Facilities	13,735
Storage Capacity (gallons)	411,657,093

Statewide number of USTs and storage capacity are underreported here (270 UST facilities in CERS lack tank -specific information)

Use / Contents	USTs	Capacity (gal)
Motor Vehicle, Gasoline	24,275	280,359,987
Motor Vehicle, Diesel	8,475	87,208,232
Motor Vehicle, Racing fuel	54	389,500
Generator, Diesel	2,113	18,759,127
Other, Diesel	216	2,434,256
Waste Oil	949	984,431
Chemicals or Haz Waste	330	1,740,136
Jet Fuel or Aviation Gas	260	5,699,765
Marina Fueling	132	1,171,697
Other	573	3,355,097

% UST Facilities with an Inspection Record less than 3 years old	98.04%
UPAs Approved for Paperless Reporting	71/90

CERS Implementation (Page 2)

Complete and accurate data in CERS enables California to more effectively manage its UST Leak Prevention program. It is crucial that the State Water Board and US EPA can rely on CERS 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 (SW) USTs).

Priority Violations & Return to Compliance (page 2-4)

Routine Inspections (January – June 2021)	6,961
Priority Violations	8,259
% Inspected UST Facilities with Priority Violations	53.1%
% UST Facilities with Priority Violations (All RTC)	55.6%

Inspection reports maintained at UPA offices were previously the only source of UST violation information. UPAs now report both violations and Return to Compliance (RTC) dates to CERS, making it simpler to identify statewide trends. Of the 89 violations currently available in the CERS library, 48 priority violations were identified for this report. These 48 priority violations include all 30 violations that trigger US EPA technical compliance rate measure (TCR 9a-d), two violations related to the designated operator walk through inspections, plus 16 additional violations of significant interest to State Water Board and US EPA. Please reference Appendix B for the list of priority violations.

New Leaking UST Cases (page 5)

Releases Reported (Total)	17
Releases Reported (Operating UST Facilities)	6
New Releases (Newly Occurring)	0

Minimizing petroleum releases to the environment is an important measure of UST Leak Prevention program 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.

Single-Walled USTs (page 6-8)

Number of SW USTs (tanks or piping)	2,486
Facilities with SW USTs (tanks or piping)	1,021
% of Statewide UST Systems (SW)	6.6%
% of Statewide UST Facilities (SW)	7.4%
SW UST Facilities with unresolved priority violation(s) in past 18 months	260

California law requires permanent closure of SW USTs and piping by December 31, 2025. Encouraging owners to remove and replace SW tanks and piping in advance will reduce contractor shortages, unmanageable permitting workloads and UST abandonment.

CERS Implementation by Unified Program Agency (UPA)

*CERS data queried October 1, 2021

Preliminary CERS Goals include:
(1) >99% of UST facilities, or all but 1, exist in CERS;
(2) >99% of UST facilities, or all but 1, have an inspection record from the prior 36 months in CERS;
(3) >96% of UST facilities, or all but 1, have basic tank information in CERS

UST Violations and Return to Compliance

There are currently 89 UST violations in CERS, 48 of which are identified as priority violations for this report. Please refer to Appendix B for the full list of priority violations.

Between January and June 2021, UPAs cited one or more priority violations at 53.1% (3,658 of 6,883) of all UST facilities inspected. By October 1, 2021, 55.6% of these facilities (2,033 of 3,658) had returned to compliance.

Number of Facilities with a Routine Inspection	6,883
Number of Additional Routine Inspections reported in a 6-month period	78
Number of Facilities with Priority Violations	3,658
Average Time to RTC*	43 days

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

Time to Return to Compliance 3,658 Facilities

Most Cited Violations between January – June 2021

Violation Name	CERS Violation Type Number	Total # of Citations	# UPAs Citing Violation	% RTC by October 2020
Designated Operator Monthly Inspections (failure to conduct monthly inspection)	2030013	***1242***	58	45%
Spill Container (not meeting maintenance/testing requirements)	2060020	969	***76***	59%
Overfill Prevention (not meeting regulatory requirements)	2030036	800	60	37%
Monitoring Equipment (improper installation, calibration, operation, or maintenance)	2030043	663	69	***62%***
Secondary Containment (failure to maintain)	2030047	646	59	34%

Enforcement Actions Initiated at 56 UST Facilities

Return to Compliance by UPA, Sorted by % Facilities Return to Compliance 90 Days After Inspection (page 1 of 2)

UPA	Percent of Facilities Inspected	Number of Routine Inspections	Number of Priority Violations	Number of Facilities w Priority Violations	Facilities w Priority Violations, RTC Same Day	Facilities w Priority Violations, RTC after 30 days	Facilities w Priority Violations, RTC after 60 days	Facilities w Priority Violations, RTC after 90 days	Facilities w Priority Violations RTC by April 2021	Formal Enforcements Initiated
Amador County Environmental Health	21%	7	3	3	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Fresno County Department of Public Health	1%	3	1	1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Monterey County Health Department	37%	81	44	26	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Trinity County - DTSC	33%	2	3	2	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Union City Environmental Programs	50%	11	4	2	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Vernon Health & Environmental Control Dept	52%	13	2	2	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Hayward City Fire Department	38%	33	13	8	0 (0%)	0 (0%)	0 (0%)	1 (13%)	1 (13%)	0
Santa Clara County Fire Department	38%	26	23	13	1 (8%)	2 (15%)	2 (15%)	2 (15%)	2 (15%)	0
Los Angeles County Department of Public Works	62%	955	2247	487	10 (2%)	63 (13%)	81 (17%)	87 (18%)	93 (19%)	0
Santa Clara County Environmental Health	48%	189	383	155	8 (5%)	24 (15%)	28 (18%)	28 (18%)	28 (18%)	0
Tehama County Environmental Health	40%	17	21	11	1 (9%)	2 (18%)	2 (18%)	2 (18%)	2 (18%)	0
Santa Monica Fire Department	74%	28	33	21	2 (10%)	3 (14%)	3 (14%)	4 (19%)	5 (24%)	0
Inyo County Dept of Environmental Health Services	48%	12	21	10	2 (20%)	2 (20%)	2 (20%)	2 (20%)	2 (20%)	0
Marin County Dept of Public Works	27%	24	35	15	1 (7%)	2 (13%)	3 (20%)	3 (20%)	3 (20%)	0
Kern County Environmental Health Services Dept	68%	189	180	81	4 (5%)	13 (16%)	15 (19%)	17 (21%)	22 (27%)	0
Gilroy City Fire Department	44%	12	7	4	1 (25%)	1 (25%)	1 (25%)	1 (25%)	1 (25%)	0
Mariposa County Public Health Department	17%	6	4	4	1 (25%)	1 (25%)	1 (25%)	1 (25%)	1 (25%)	0
Yuba County Environmental Health Department	52%	23	18	11	1 (9%)	2 (18%)	4 (36%)	4 (36%)	4 (36%)	0
Tulare County Environmental Health	44%	119	208	85	12 (14%)	24 (28%)	29 (34%)	32 (38%)	34 (40%)	1
Stanislaus County Environmental Resources	46%	99	135	66	7 (11%)	16 (24%)	21 (32%)	25 (38%)	30 (45%)	0
San Francisco City & County Public Health Dept	52%	120	96	63	7 (11%)	18 (29%)	23 (37%)	24 (38%)	26 (41%)	0
Butte County Environmental Health	49%	49	100	38	13 (34%)	15 (39%)	15 (39%)	15 (39%)	15 (39%)	0
Glenn County Air Pollution Control District	65%	11	14	10	1 (10%)	2 (20%)	3 (30%)	4 (40%)	5 (50%)	0
Mountain View Fire Department	52%	13	5	5	0 (0%)	1 (20%)	2 (40%)	2 (40%)	3 (60%)	0
Mendocino County Environmental Health	62%	41	32	19	4 (21%)	5 (26%)	8 (42%)	8 (42%)	10 (53%)	0
Plumas County Environmental Health	47%	10	20	9	2 (22%)	3 (33%)	4 (44%)	4 (44%)	4 (44%)	0
Colusa County Health and Human Services	67%	12	30	11	1 (9%)	3 (27%)	4 (36%)	5 (45%)	6 (55%)	0
Santa Fe Springs Fire-Rescue	53%	16	19	13	1 (8%)	2 (15%)	3 (23%)	6 (46%)	8 (62%)	0
Ventura City Fire Department	59%	29	20	15	3 (20%)	6 (40%)	6 (40%)	7 (47%)	9 (60%)	0
Yolo County Environmental Health	54%	52	26	15	5 (33%)	6 (40%)	6 (40%)	7 (47%)	8 (53%)	0
Merced County Environmental Health	46%	54	83	34	6 (18%)	12 (35%)	15 (44%)	16 (47%)	22 (65%)	0
Los Angeles City Fire Department	53%	648	631	322	74 (23%)	116 (36%)	142 (44%)	156 (48%)	177 (55%)	13
Sacramento County Environmental Management	57%	279	326	167	53 (32%)	68 (41%)	78 (47%)	82 (49%)	90 (54%)	6
Burbank Fire Department	34%	22	2	2	1 (50%)	1 (50%)	1 (50%)	1 (50%)	1 (50%)	0
Del Norte Environmental Health Division	55%	6	7	4	0 (0%)	1 (25%)	2 (50%)	2 (50%)	3 (75%)	0
Pasadena Fire Department	45%	25	7	6	3 (50%)	3 (50%)	3 (50%)	3 (50%)	5 (83%)	0
San Mateo County Environmental Health	45%	122	86	58	11 (19%)	24 (41%)	30 (52%)	30 (52%)	30 (52%)	0
Santa Cruz County Environmental Health	48%	61	50	27	2 (7%)	8 (30%)	12 (44%)	14 (52%)	15 (56%)	0
Madera County Environmental Health	49%	38	88	38	9 (24%)	18 (47%)	20 (53%)	20 (53%)	21 (55%)	1
Oxnard Fire Department	53%	25	15	11	4 (36%)	5 (45%)	5 (45%)	6 (55%)	6 (55%)	0
Contra Costa County Health Services Department	54%	225	235	136	39 (29%)	65 (48%)	75 (55%)	80 (59%)	86 (63%)	3
Alameda County Environmental Health	53%	130	263	92	26 (28%)	38 (41%)	50 (54%)	55 (60%)	58 (63%)	1
San Bernardino County Fire Department	58%	478	340	232	61 (26%)	101 (44%)	124 (53%)	139 (60%)	150 (65%)	7
Bakersfield City Fire Department	48%	74	117	51	14 (27%)	19 (37%)	27 (53%)	31 (61%)	39 (76%)	0
Calaveras County Environmental Health	45%	14	10	8	1 (13%)	1 (13%)	4 (50%)	5 (63%)	5 (63%)	0
Statewide Totals	**50%**	**6961**	**8259**	**3658**	**782 (21%)**	**1358 (37%)**	**1697 (46%)**	**1859 (51%)**	**2033 (56%)**	**58**

Return to Compliance by UPA, Sorted by % Facilities Return to Compliance 90 Days After Inspection (page 2 of 2)

UPA	Percent of Facilities Inspected	Number of Routine Inspections	Number of Priority Violations	Number of Facilities w Priority Violations	Facilities w Priority Violations, RTC Same Day	Facilities w Priority Violations, RTC after 30 days	Facilities w Priority Violations, RTC after 60 days	Facilities w Priority Violations, RTC after 90 days	Facilities w Priority Violations RTC by April 2021	Formal Enforcements Initiated
Santa Clara City Fire Department	57%	36	31	17	7 (41%)	11 (65%)	11 (65%)	11 (65%)	12 (71%)	0
Berkeley City Toxics Management Division	38%	12	5	3	1 (33%)	1 (33%)	2 (67%)	2 (67%)	3 (100%)	0
Nevada County Environmental Health	49%	17	19	9	0 (0%)	5 (56%)	6 (67%)	6 (67%)	6 (67%)	0
San Benito County Health Department	43%	10	4	3	0 (0%)	1 (33%)	1 (33%)	2 (67%)	3 (100%)	0
San Joaquin County Environmental Health	63%	167	271	123	11 (9%)	57 (46%)	77 (63%)	82 (67%)	83 (67%)	2
Siskiyou County Community Development	28%	11	5	3	0 (0%)	1 (33%)	2 (67%)	2 (67%)	3 (100%)	0
Sunnyvale Department of Public Safety	44%	18	32	15	3 (20%)	4 (27%)	6 (40%)	10 (67%)	13 (87%)	0
Torrance Fire Department	69%	36	8	6	0 (0%)	2 (33%)	4 (67%)	4 (67%)	4 (67%)	0
Orange County Environmental Health	58%	410	215	138	30 (22%)	61 (44%)	77 (56%)	93 (67%)	103 (75%)	1
Imperial CUPA - DTSC	52%	41	134	45	5 (11%)	17 (38%)	28 (62%)	31 (69%)	34 (76%)	0
San Diego County Dept of Environmental Health	40%	391	233	168	80 (48%)	104 (62%)	110 (65%)	116 (69%)	121 (72%)	0
Shasta County Environmental Health	55%	66	83	52	18 (35%)	26 (50%)	32 (62%)	36 (69%)	38 (73%)	0
Napa County Dept of Environmental Management	69%	31	26	17	8 (47%)	11 (65%)	12 (71%)	12 (71%)	12 (71%)	0
El Dorado County Environmental Management	41%	31	60	24	5 (21%)	10 (42%)	15 (63%)	17 (71%)	19 (79%)	0
Riverside County Dept of Environmental Health	53%	369	352	199	58 (29%)	87 (44%)	126 (63%)	141 (71%)	162 (81%)	9
Kings County Environmental Health	32%	27	16	7	2 (29%)	4 (57%)	5 (71%)	5 (71%)	5 (71%)	0
Lake County Environmental Health	45%	14	20	7	5 (71%)	5 (71%)	5 (71%)	5 (71%)	5 (71%)	0
Mono County Health Department	38%	8	24	7	1 (14%)	2 (29%)	5 (71%)	5 (71%)	6 (86%)	3
Orange City Fire Department	67%	46	25	18	3 (17%)	8 (44%)	12 (67%)	13 (72%)	15 (83%)	0
Tuolumne County Environmental Health	52%	17	15	11	3 (27%)	6 (55%)	8 (73%)	8 (73%)	9 (82%)	0
Sonoma County Fire Prevention and Hazmat	51%	40	21	15	5 (33%)	7 (47%)	9 (60%)	11 (73%)	12 (80%)	1
Fremont City Fire Department	59%	36	43	20	7 (35%)	9 (45%)	13 (65%)	15 (75%)	17 (85%)	0
Livermore-Pleasanton FD	50%	38	20	16	8 (50%)	8 (50%)	12 (75%)	12 (75%)	13 (81%)	0
Sutter County Environmental Health	73%	30	16	9	3 (33%)	5 (56%)	7 (78%)	7 (78%)	7 (78%)	0
Humboldt County Division of Environmental Health	53%	39	37	23	10 (43%)	15 (65%)	18 (78%)	18 (78%)	19 (83%)	0
Long Beach Environmental Health	56%	83	55	29	8 (28%)	15 (52%)	20 (69%)	23 (79%)	26 (90%)	5
Placer County Environmental Health	49%	44	73	36	17 (47%)	24 (67%)	28 (78%)	29 (81%)	29 (81%)	2
Anaheim City Fire Department	60%	69	50	31	11 (35%)	16 (52%)	20 (65%)	25 (81%)	29 (94%)	0
Santa Rosa City Fire Department	48%	26	22	16	5 (31%)	9 (56%)	12 (75%)	13 (81%)	14 (88%)	0
Glendale City Fire Department	62%	36	22	11	3 (27%)	8 (73%)	8 (73%)	9 (82%)	9 (82%)	0
Santa Barbara County Environmental Health Serv	60%	87	43	34	14 (41%)	24 (71%)	26 (76%)	28 (82%)	30 (88%)	2
Ventura County Environmental Health	55%	89	102	57	20 (35%)	40 (70%)	44 (77%)	47 (82%)	48 (84%)	0
San Leandro City	42%	20	12	7	3 (43%)	5 (71%)	6 (86%)	6 (86%)	6 (86%)	1
El Segundo City Fire Department	62%	13	17	9	2 (22%)	3 (33%)	6 (67%)	8 (89%)	9 (100%)	0
Roseville City Fire Department	59%	29	17	10	7 (70%)	8 (80%)	9 (90%)	9 (90%)	10 (100%)	0
San Luis Obispo County Environmental Health	68%	73	91	51	15 (29%)	27 (53%)	42 (82%)	48 (94%)	50 (98%)	0
Fullerton City Fire Department	44%	19	18	11	8 (73%)	10 (91%)	11 (100%)	11 (100%)	11 (100%)	0
Healdsburg/Sebastopol JPA	36%	5	2	2	2 (100%)	2 (100%)	2 (100%)	2 (100%)	2 (100%)	0
Lassen County Environmental Health	40%	6	2	2	1 (50%)	1 (50%)	2 (100%)	2 (100%)	2 (100%)	0
Petaluma City Fire Department	42%	8	5	3	1 (33%)	2 (67%)	3 (100%)	3 (100%)	3 (100%)	0
San Luis Obispo City Fire Department	43%	10	6	1	0 (0%)	1 (100%)	1 (100%)	1 (100%)	1 (100%)	0
Alpine County Health Department	0%	0	0	0	N/A	N/A	N/A	N/A	N/A	0
Modoc County Environmental Health	0%	0	0	0	N/A	N/A	N/A	N/A	N/A	0
Sierra County Human Services Department	0%	0	0	0	N/A	N/A	N/A	N/A	N/A	0
Solano County Environmental Health	0%	0	0	0	N/A	N/A	N/A	N/A	N/A	0
Statewide Totals	**50%**	**6961**	**8259**	**3658**	**782 (21%)**	**1358 (37%)**	**1697 (46%)**	**1859 (51%)**	**2033 (56%)**	**58**

New Leaking Underground Storage Tank Cleanup Cases

GeoTracker leaking UST (LUST) data indicates that 17 new petroleum UST cleanup cases were opened, based on releases reported by UST owners, operators, and regulators between January and June 2021.

How Release was Discovered

Construction Type & Status of UST Systems with a Release

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

Substance Released

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

Source of Release

Note: In some cases, more than one component of the UST system is identified as the source. Therefore, the total number for this chart does not reflect the total number of cases.

Release Report to LUST Case (Time Elapsed)

Operational Time of USTs with Releases

Please Reference Appendix A for Details on Individual Releases

9% DW UST Closures or Upgrades Resulting in Discovery of a Release (58/657 Facilities Since January 1, 2017)

24% SW UST Closures or Upgrades Resulting in Discovery of a Release (110/452 Facilities Since January 1, 2017)

Single-Walled USTs

Number of Single-Walled Facilities by County

On September 25, 2014, California Health and Safety Code (HSC), Section 25292.05 became effective, requiring the permanent closure of single-walled (SW) USTs by December 31, 2025. The statutory definition of UST in HSC Section 25281 includes connected piping. As a result, the universe of 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 1, 2021, California has a total of 2,486 UST systems with either a SW tank or SW piping remaining at 1,021 facilities.

California Single-Walled USTs

	SW Tank	DW Tank SW Piping	Total
USTs	1,911	575	2,486
Facilities	698	339	1,021

Total Facilities (1,021) is less than sum of SW Tank and DW Tank SW Piping (1,037) because some of the facilities have both types of systems.

Single-Walled UST Closures

Year	SW Tanks	DW Tanks SW Piping	Total
2017	216	29	245
2018	129	30	159
2019	108	31	139
2020	185	18	203
2021	75	9	84

CERS data continues to improve, so the total USTs and total closures for past periods in this report may not match previous reports.

Single-Walled UST System Use/Contents

Single-Walled UST Closure Progress

RUST Applications for Single-Walled UST Closure

(68 / 134 total RUST applications submitted January 2019 - June 2021)

RUST Program

The Replacing, Removing, or Upgrading UST (RUST) program can help single-walled UST owners fund the removal and/or replacement of their single walled USTs. The program offers grant and loan options.

37% **of single-walled UST Facilities have Unresolved Priority Violations**

Facilities with unresolved violations are not eligible for RUST funding assistance. (377/1021 Facilities)

Check https://www.waterboards.ca.gov/water_issues/programs/ust/single_walled.html for additional information and resources. More information about RUST funding can be found at: https://www.waterboards.ca.gov/water_issues/programs/ustcf/rust.html

Single-Walled UST Systems by UPA, Sorted by Number of Single-Walled UST Facilities (page 1 of 2)

UPA	Total Number of Single-Walled UST Facilities	Single-Walled UST Facilities with Unresolved Priority Violations in past 18 months	Total Number of Single-Walled UST Systems	Number of Single-Walled Tanks	Number of Double-Walled Tanks w/ Single-Walled Piping
Los Angeles City Fire Department	105	37	234	156	78
Los Angeles County Department of Public Works	90	21	219	171	48
San Diego County Department of Environmental Health	66	6	178	126	52
Contra Costa County Health Services Department	54	23	135	109	26
San Mateo County Environmental Health	53	20	117	92	25
Orange County Environmental Health	50	6	116	96	20
Alameda County Environmental Health	48	12	124	117	7
San Francisco City & County Public Health Department	45	21	89	76	13
Kern County Environmental Health Services Department	26	11	74	71	3
Fresno County Department of Public Health	26	1	83	62	21
Santa Clara County Environmental Health	25	1	44	28	16
Stanislaus County Environmental Resources	23	19	77	76	1
San Bernardino County Fire Department	22	7	52	33	19
Sacramento County Environmental Management Department	21	8	53	33	20
Monterey County Health Department	19	0	53	48	5
Solano County Environmental Health	18	0	36	16	20
Riverside County Department of Environmental Health	16	2	45	17	28
Marin County Dept of Public Works, Waste Mgmt, CUP	14	5	34	29	5
Ventura County Environmental Health	13	0	27	18	9
Bakersfield City Fire Department	12	12	31	27	4
Amador County Environmental Health	12	2	38	28	10
Merced County Environmental Health	12	0	29	21	8
Shasta County Environmental Health	11	0	35	27	8
Kings County Environmental Health	9	0	26	26	0
Calaveras County Environmental Health	9	1	27	27	0
Santa Clara County Fire Department	9	4	24	23	1
Tulare County Environmental Health	9	1	22	16	6
Anaheim City Fire Department	9	0	19	9	10
Hayward City Fire Department	9	0	17	13	4
Mariposa County Public Health Department	9	3	16	7	9
Mendocino County Environmental Health	8	0	23	16	7
Santa Cruz County Environmental Health	8	3	20	18	2
Butte County Environmental Health	7	0	18	13	5
San Luis Obispo County Environmental Health	7	1	13	11	2
San Leandro City	7	0	12	7	5
Burbank Fire Department	7	3	12	7	5
Humboldt County Division of Environmental Health	6	2	16	16	0
Berkeley City Toxics Management Division	6	1	13	10	3
Ventura City Fire Department	6	0	14	14	0
Tuolumne County Environmental Health	6	0	11	7	4
Livermore-Pleasanton FD	6	1	16	13	3
Imperial CUPA - DTSC	5	1	10	9	1
Long Beach Environmental Health	5	0	14	11	3
Santa Barbara County Environmental Health Services	5	1	10	8	2
Sunnyvale Department of Public Safety	5	0	10	6	4
Total	**1,021**	**260**	**2,486**	**1,911**	**575**

Single-Walled UST Systems by UPA, Sorted by Number of Single-Walled UST Facilities (page 2 of 2)

UPA	Total Number of Single-Walled UST Facilities	Single-Walled UST Facilities with Unresolved Priority Violations in past 18 months	Total Number of Single-Walled UST Systems	Number of Single-Walled Tanks	Number of Double-Walled Tanks w/ Single-Walled Piping
El Dorado County Environmental Management	4	1	10	9	1
Orange City Fire Department	4	0	9	7	2
Sonoma County Fire Prevention and Hazmat	4	1	9	9	0
Santa Clara City Fire Department	4	3	8	7	1
Plumas County Environmental Health	4	1	14	14	0
San Joaquin County Environmental Health	4	0	4	0	4
Placer County Environmental Health	3	2	8	8	0
Fremont City Fire Department	3	1	6	4	2
Glendale City Fire Department	3	0	3	0	3
Torrance Fire Department	3	2	7	6	1
El Segundo City Fire Department	3	1	5	2	3
Yuba County Environmental Health Department	3	0	14	8	6
Santa Rosa City Fire Department	3	3	7	5	2
Vernon Health & Environmental Control Department	3	0	9	0	9
Siskiyou County Community Development	3	0	5	3	2
Pasadena Fire Department	3	0	7	3	4
Inyo County Department of Environmental Health Services	3	4	8	8	0
Roseville City Fire Department	3	1	8	8	0
Lake County Environmental Health	3	2	7	7	0
Sutter County Environmental Health	2	0	3	2	1
Colusa County Health and Human Services	2	0	6	6	0
Sierra County Human Services Department	2	0	7	7	0
Petaluma City Fire Department	2	0	6	3	3
Fullerton City Fire Department	1	0	2	2	0
Mono County Health Department	1	0	1	0	1
Napa County Department of Environmental Management	1	0	2	2	0
Gilroy City Fire Department	1	2	3	3	0
Yolo County Environmental Health	1	0	5	5	0
Santa Monica Fire Department	1	0	4	0	4
San Benito County Health Department	1	0	4	4	0
Mountain View Fire Department	1	0	2	2	0
Trinity County - DTSC	1	0	2	0	2
San Luis Obispo City Fire Department	1	0	1	0	1
Madera County Environmental Health	1	0	1	0	1
Modoc County Environmental Health	1	0	3	3	0
Santa Fe Springs Fire-Rescue	0	0	0	0	0
Nevada County Environmental Health	0	0	0	0	0
Union City Environmental Programs	0	0	0	0	0
Del Norte Environmental Health Division	0	0	0	0	0
Oxnard Fire Department	0	0	0	0	0
Alpine County Health Department	0	0	0	0	0
Glenn County Air Pollution Control District	0	0	0	0	0
Healdsburg/Sebastopol JPA	0	0	0	0	0
Lassen County Environmental Health	0	0	0	0	0
Tehama County Environmental Health	0	0	0	0	0
Total	**1,021**	**260**	**2,486**	**1,911**	**575**

Appendix A:
Confirmed UST Releases, January – June 2021

Throughout California, 17 releases were confirmed and reported from federally regulated petroleum USTs between January and June 2021. This does not account for releases from non-petroleum USTs (e.g., chlorinated solvent USTs), nor does it account for releases from federally exempt USTs (e.g., residential heating oil USTs).

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Newly Occurring Release – 0 cases

None of the 17 releases confirmed and reported from federally regulated petroleum USTs between January and June 2021 have been determined to be "newly occurring".

New Discoveries (Old Release) – 17 Cases

Los Angeles City Fire Department (4 cases)

1. Cemcoat, Inc.	4928 Jefferson Blvd W, Los Angeles
Substance: Unknown	**Source: Unknown**
The release was discovered during a Phase II ESA completed after a file review for the site found that 1,000-gallon UST was removed from the site (April 1982), but no UST closure/soil sampling reports could be found. Soil samples collected from the site (October 2018), showed high concentrations of TPHg, BTEX, and PCE. Groundwater samples collected at the site detected concentrations of benzene above the WQO of 5ug/L. TCE was also detected in the groundwater. The Los Angeles Regional Water Quality Control Board Site Cleanup	

Program initiated the property review due to concerns about potential historical use of PFAS. While an NFA letter was issued for the PFAS investigation (May 2021), Regional Water Board personnel referred the case to LUST Program (June 2021) to evaluate petroleum UST impacts. The Regional Water Board sent the RP a letter with a work plan requirement (October 2021). A work plan was submitted and approved (November 2021). The site is currently a plating company, occupied by an office building and a manufacturing building.

2. Former Gasoline Station — 11340 Magnolia Blvd, N Hollywood

Substance: Gasoline — **Source: Unknown**

A Phase II ESA was completed here after a Phase I showed that a retail gasoline station operated at the site but did not leave records of UST closure or post closure confirmation sampling. New soil and soil vapor sampling (April 2020) detected a release of petroleum hydrocarbons. A site characterization report determined that the release did not extend more than 40 feet bgs in the vicinity of the USTs (August 2020). The estimated depth to groundwater at the site is approximately 105 feet bgs. The RP's consultant requested closure of the case under LTCP criteria (November 2020). The Los Angeles City Fire Department referred the case to the Los Angeles Regional Water Quality Control Board (January 2021). The Regional Water Board issued a public notice to close the case (June 2021), and the case was subsequently closed (September 2021). The site is currently a 7-eleven convenience mart and associated parking lot.

3. Jefferson Property Owner, LLC — 5231 Jefferson Blvd W, Los Angeles

Substance: Gasoline — **Source: Unknown**

The release was discovered during a site assessment prior to site redevelopment when soil, groundwater, and soil vapor samples found elevated concentrations of TPH and BTEX associated with a release of petroleum hydrocarbons (February 2020). The site consists of four parcels, one of which operated as a retail service station and auto repair garage from approximately 1924 to the early 1980s. Four (4) USTs containing gasoline, diesel, and waste oil were formerly located at the site. The Los Angeles City Fire Department referred the case to the Los Angeles Regional Water Quality Control Board (May 2021). The Regional Water Board sent a letter to the RP with a work plan requirement (July 2021), which was submitted and approved (August 2021). A risk assessment report was submitted (September 2021), followed by a site assessment report (November 2021). The Regional Water Board issued a public notice to close the case (December 2021). The site is currently vacant and being redeveloped into a commercial building and subterranean parking structure.

4. Onni Santa Monica, LP	6901 Santa Monica Blvd, Los Angeles
Substance: Gasoline	**Source: Unknown**

The release was discovered during a Phase II ESA (December 2014) when elevated concentrations of petroleum hydrocarbons were detected in soil samples taken from the site. The site previously operated as a bulk oil storage facility and retail service station. USTs were removed from the site in 1964, the late 1980s, and 1997. The site was formerly subject to Los Angeles Regional Water Quality Control Board oversight in the late 1990s. The previously removed USTs include one 2,000-gallon gasoline UST, two 400-gallon waste oil USTs, two 4,000-gallon gasoline USTs, and one 550-gallon waste oil UST. The Los Angeles City Fire Department referred the case to the Regional Water Board (February 2021), and the RP submitted a soil and water investigation work plan (April 2021), which was approved by the Regional Water Board (April 2021). The site assessment report and a request for site closure was submitted to the Regional Water Board (July 2021). The site is current a vacant lot undergoing redevelopment into a mixed use commercial residential building with a 2-story subterranean parking garage.

Los Angeles County Department of Public Works (3 cases)

5. Rashid Shell Former	2138 W Century Blvd, Los Angeles
Substance: Diesel, Waste Oil	**Source: Tank**

The release was discovered during the removal of a 550-gallon waste oil UST from the site (May 2018). Soil samples collected from the beneath the UST found elevated concentrations of TPHd and TPHmo. The Los Angeles County Department of Public Works referred the case to the Los Angeles Regional Water Quality Control Board (April 2021). The Regional Water Board requested additional information from the RP (May 2021), which the RP submitted (September 2021). The Regional Water Board issued a public notice to close the case (November 2021). The site is an active retail fuel station.

6. R & L Carriers	1220 Washington Blvd, Montebello
Substance: Diesel, Waste Oil	**Source: Tank, Piping**

The release was discovered during the removal of one 20,000-gallon diesel UST and one 500-gallon waste oil UST from the site (October 2020). Soil samples taken from the tank excavation pit and from below the product lines found elevated concentrations of TPHd, TPHmo and BTEX. Approximately 77 cubic yards of soil were excavated and disposed off-site during the removal of the USTs. Los Angeles County Department of Public Works referred the case to the Los Angeles Regional Water Quality Control Board (June 2021), which sent the RP a letter requesting additional information and the submittal of a work plan (July 2021). The

work plan and additional information were submitted to the Regional Water Board (August 2021) and subsequently approved (November 2021). The site is currently a warehouse and freight shipping yard.

7. United Oil 102	**1744 Rosecrans Ave W, Gardena**
Substance: Gasoline	**Source: Dispensers**

The release was discovered during the removal of a dispenser and under-dispenser containment sump at the site when soil samples detected elevated levels of TPHg and BTEX (March 2019). The Los Angeles County Department of Public Works referred the case to the Los Angeles Regional Water Quality Control Board (April 2021). The RP submitted a preliminary site assessment work plan to the Regional Water Board, which was approved (August 2021). The RP then submitted a site assessment report (December 2021). The site is an active retail fuel station.

Alameda County Department of Environmental Health (2 cases)

8. 1919 Market St	**1919 Market St, Oakland**
Substance: Gasoline	**Source: Tank**

An abandoned UST was discovered during demolition activities for site development (January 2021). A sample of the UST contents was collected, showing the presence of TPHg, BTEX and relatively small amounts of TPHd. Corrosion and holes were observed in the UST upon removal, and there was significant hydrocarbon odor and staining in the surrounding soil. The UST was approximately 500-gallons in size. Additional soil samples were collected to delineate the extent of the release. Alameda County Department of Environmental Health approved a work plan to over excavate approximately 20 cubic yards of soil (January 2021). The site is a mixed-use building consisting of residential apartments and some commercial businesses.

9. USPS Vehicle Maintenance Facility	**1675 7th Street, Oakland**
Substance: Diesel	**Source: Dispenser**

The release was discovered during the removal of three 12,000-gallon diesel USTs, two dispensers, and associated piping from the site (May 2021). Soil staining and petroleum hydrocarbon odors were noted beneath dispenser 1 during removal. Approximately 12 tons of soil was over excavated from the site during tank and dispenser removal (May 2021). TPHd was detected at 9,300 mg/kg in a soil sample collected at the bottom of the over-excavated pit at 7 feet bgs. An additional 27 tons of soil was removed from the site (June 2021). The site is a USPS distribution center and vehicle maintenance facility.

Fresno County Department of Public Health (1 case)

10. Thomason Tractor of California	**985 12th St., Firebaugh**
Substance: Diesel	**Source: Tank**
The release was discovered during a Phase II ESA (February 2021), when elevated concentrations of TPHd was found in soil and groundwater samples taken from the site in the vicinity of the former UST area. A site investigation workplan was sent to the Central Valley Regional Water Quality Control Board (June 2021) and was conditionally approved (July 2021). The site is currently occupied by a tractor dealership.	

Fullerton City Fire Department (1 case)

11. Rodriguez Sweeping Service	**800 E Walnut Ave, Fullerton**
Substance: Gasoline, Diesel	**Source: Tank**
The release was discovered during a site investigation, when elevated concentrations of TPHg and TPHd were found in soil samples taken from the former UST area (April 2018). A 500-gallon waste oil UST, a 1,000-gallon gasoline UST, and a 500-gallon diesel UST were reportedly previously removed from the site (date unknown), but there are no records of associated sampling at the site. A subsequent subsurface investigation (September 2018) fully delineated the impacted soils to an approximately 30' by 30' area and approximately 10-30 feet deep vertical extent. A vapor extraction system was installed on site (September 2019). Chlorinated hydrocarbons were encountered during startup of the vapor extraction system. Approximately 155 lbs. of petroleum hydrocarbons were removed by the system from September 2019 to May 2020. The site is approximately 1.57 acres, and developed for various commercial uses (marble works, automotive repair and a maintenance yard), as well as a residential dwelling.	

Napa County Department of Environmental Health (1 case)

12. Carneros Resort and Spa	**4310 Old Sonoma Highway, Napa**
Substance: Diesel	**Source: Tank**
The release was discovered during construction activities when two approximately 360-gallon diesel USTs were found and removed from the site (April 2021). Soil samples collected during UST removal showed a release of petroleum hydrocarbons associated with diesel fuel. The UST removal report notes that the site was formerly a retail fuel facility decades ago, and that three additional USTs were removed from the site approximately five years ago. The two newly found USTs were removed from the site and approximately 177 cubic yards of soil was over excavated from the site (April 2021). The site is currently a vacant lot undergoing construction.	

Orange County Environmental Health (1 case)

13. H&S Energy Products LLC #2002 — 2950 Westminster, Seal Beach

Substance: Gasoline, Diesel — **Source: Tank, Dispenser, Piping**

The release was discovered during the removal of one 10,000-gallon diesel UST and two 10,000-gallon gasoline USTs from the site (January 2021). Two of the USTs were observed to be in good condition during their removal, but the southernmost tank was observed to have a puncture. Prior to the collection of soil samples from underneath the former USTs, the bottom of the UST pit was over-excavated approximately 3 feet, and approximately 445 tons of soil was removed from the site (March 2021). Orange County Environmental Health deemed the case eligible for closure (June 2021), issued a public notice (August 2021), and closed the case (October 2021). The site is an active retail fuel station.

Sacramento County Environmental Management (1 case)

14. 3401 Stockton Blvd Property — 3401 Stockton Blvd, Sacramento

Substance: Gasoline, 1,2-DCA — **Source: Unknown**

The release was discovered during a site assessment at 3400 Stockton Boulevard when gasoline range organics (GRO) and 1,2-DCA were detected in cross-gradient soil and groundwater samples (May 2021). Additional soil vapor and groundwater samples were collected from the site (July and August 2021) which confirmed an off-site source for the groundwater impacts. Sacramento County Environmental Management Department opened the case for this site (December 2021). A workplan for site investigation was submitted to GeoTracker (December 2021). The site is currently a vacant lot proposed for redevelopment into a mixed-use student housing and retail complex.

San Diego County Department of Environmental Health (1 case)

15. SoCal Trucks — 10460 Mission Gorge Rd, Santee

Substance: Gasoline, Diesel — **Source: Tank, Dispenser, Piping**

The release was discovered during a Phase II ESA when two USTs that had previously been closed in place were discovered near the driveway of the property (October 2020). Groundwater samples taken in the vicinity of the USTs found elevated concentrations of petroleum hydrocarbons associated with gasoline and diesel fuel (May 2021). The San Diego Regional Water Quality Control Board approved a site assessment report and requested a comparison of the site to LTCP criteria and a work plan if the site did not meet them (November 2021). The site is currently a commercial facility that sells and installs truck accessories.

San Francisco County Department of Public Health (1 case)

16. 300 Kansas	**300 Kansas Street, San Francisco**
Substance: Diesel	**Source: Tank**

The release was discovered during removal of a single wall UST approximately 320-gallons in size containing an unknown oil from beneath the sidewalk at the site. The UST was found to be in poor condition and corroded with visible holes upon removal (January 2021). No soil discoloration or petroleum odors were observed in soil underneath the tank. Soil samples collected from the soil beneath the tank showed a release of TPHd. Approximately four cubic yards of soil was over excavated from the tank pit (January 2021). Confirmation soil samples collected from the tank pit after the over excavation reported detectable concentrations of TPHd below ESLs for commercial use. Groundwater was not encountered during site work. San Francisco County Department of Public Health issued a public notice (March 2021) and closed the case (May 2021).

San Mateo County Environmental Health Services (1 case)

17. Stone Villa Inn	**2175 S El Camino Real, San Mateo**
Substance: Gasoline	**Source: Unknown**

The release was discovered during a Phase II ESA (April 2021), when soil and groundwater samples taken from the site found elevated concentrations of petroleum constituents, primarily TPHg, TPHd, and BTEX. A gasoline service station operated at the site from approximately 1927 to 1955. It is unknown if the USTs were removed. San Mateo County Environmental Health Services sent the RP a notice of responsibility (May 2021). The RP submitted a work plan for additional site assessment, which San Mateo County approved (June 2021). The site assessment report was subsequently submitted (July 2021). San Mateo County issued a public notice (September 2021) and closed the case (November 2021). This site is a motel with associated parking lot and office space.

Acronyms / Abbreviations

bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CAP	Corrective Action Plan
DRO	Diesel Range Organics
ESA	Environmental Site Assessment
ESLs	Environmental Screening Levels
GRO	Gasoline Range Organics
LTCP	Low-Threat Closure Policy (i.e., California UST Low-Threat Case Closure Policy)
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
MTBE	Methyl tert-butyl ether
NFA	**No Further Action**
ORO	Oil Range Organics
PAHs	Polycyclic Aromatic Hydrocarbons
PCE	Tetrachloroethylene
PFAS	**Per- and Polyfluorinated Substances**
RAP	Remedial Action Plan
RP	Responsible Party
TCE	Trichloroethylene
TPHd	Total Petroleum Hydrocarbons (diesel)
TPHg	Total Petroleum Hydrocarbons (gasoline)
TPHmo	Total Petroleum Hydrocarbons (motor oil)
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds
WQO	Water Quality Objective

Appendix B: List of Priority Violations

CERS Violation Name	Violation Type Number
Designated Operator - Inspection Records (USEPATCR 12)	2010004
Falsification	2010006
Release Detection Monitoring and Maintenance Records (USEPATCR 9d)	2030001
Leak Detection Equipment Maintenance (USEPATCR 9d)	2030002
Audible and Visual Alarm	2030003
Continuous In-Tank Leak Detection (CITLD) - Single-Walled Tank (USEPATCR 9d)	2030005
Automatic Tank Gauging - Single-Walled Tank (USEPATCR 9d)	2030006
Corrosion Protection - Impressed Current/Sacrificial Anode (USEPATCR 9c)	2030009
Designated Operator (DO) - Inspection (USEPATCR 12)	2030013
Leak Detection Performance Certification (USEPATCR 9d)	2030015
Double-Walled Tank Monitoring - After January 1, 1984 and Before July 1, 2004 (USEPATCR 9d)	2030016
Double-Walled Pressurized Pipe - Monitoring - In Lieu of 12 Month Line Integrity Test (USEPATCR 9d)	2030017
Double-Walled Pressurized Pipe -Interstitial Monitoring (USEPATCR 9d)	2030018
Groundwater and Vadose Zone Monitoring (USEPATCR 9d)	2030022
Line Leak Detector (LLD)-Double-Walled Pressurized Pipe (USEPATCR 9d)	2030025
Line Leak Detector (LLD) - Single-Walled Pressurized Pipe (USEPATCR 9d)	2030027
Lined Tank Requirements (USEPATCR 9c)	2030029
Unsafe UST Operation	2030035
Overfill Prevention (USEPATCR 9b)	2030036
Permanent Closure	2030038
Piping Obstruction (USEPATCR 9d)	2030040
Pressurized Double-Walled Pipe - Line Integrity Test (USEPATCR 9d)	2030042
Monitoring Equipment (USEPATCR 9d)	2030043

CERS Violation Name	Violation Type Number
Red Tag Deposit	2030044
Red Tag Tampering	2030045
Secondary Containment	2030047
Secondary Containment Testing (USEPATCR 9d)	2030048
Single-Walled Conventional Suction (USEPATCR 9d)	2030049
Single-Walled Conventional Suction Testing (USEPATCR 9d)	2030050
Single-Walled Gravity (USEPATCR 9d)	2030051
Single-Walled Pressurized Pipe Monitoring/Testing - (USEPATCR 9d)	2030052
Single-Walled Safe Suction	2030053
Statistical Inventory Reconciliation (SIR) Reporting	2030056
Statistical Inventory Reconciliation (SIR)	2030057
Statistical Inventory Reconciliation (SIR) (USEPATCR 9d)	2030058
Recording Unauthorized Releases	2030061
Tampering with Leak Detection Equipment (USEPATCR 9d)	2030062
Temporary Closure	2030063
Vapor, Pressure, Hydrostatic (VPH) Monitoring - On or After July 1, 2004 (RD)(USEPATCR 9d)	2030065
Well Proximity Enhanced Leak Detection (ELD) Testing	2030066
Emergency Generator Tank Systems Line Leak Detector (LLD) (USEPATCR 9d)	2030075
Reporting Unauthorized Releases (USEPATCR 9d)	2030077
Automatic Tank Gauge (ATG) / Statistical Inventory Reconciliation / Continuous In-Tank Leak Detection	2060002
Line Leak Detector (LLD) - Installed (USEPATCR 9d)	2060012
Improper Monitoring (USEPATCR 9d)	2060015
Spill Container (USEPATCR 9a)	2060020
UST Design/Construction - Compatibility	2060024
UST Primary Containment	2060027