



Statewide UST Numbers *

Number of USTs	37,253
Number of UST Facilities	13,749
Storage Capacity (gal)	409,523,870

Statewide number of USTs and storage capacity are underreported here (330 UST facilities in CERS lack tank-specific information)

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).

Use / Contents	USTs	Capacity (gal)
Motor Vehicle, Gasoline	24,239	289,039,339
Motor Vehicle, Diesel	8,489	87,229,876
Motor Vehicle, Racing fuel	48	337,500
Generator, Diesel	2,074	18,167,709
Other, Diesel	203	2,457,064
Waste Oil	951	990,851
Chemicals or Haz Waste	322	1,701,331
Jet Fuel or Aviation Gas	260	5,761,765
Marina Fueling	128	1,129,697
Other	539	2,708,738

% UST Facilities in CERS	99.92%
% UST Facilities with an Inspection Record less than 3 years old	98.82%
UPAs Approved for Paperless Reporting	65/90

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

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.

Routine Inspections (Jan – December 2020)	11,868
Priority Violations	16,164
% Inspected UST Facilities with Priority Violations	55.9%
% UST Facilities with Priority Violations (All RTC)	48.8%

New Leaking UST Cases (page 5)

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.

Releases Reported (Total)	51
Releases Reported (Operating UST Facilities)	14
New Releases (Newly Occurring)	2

Single-Walled (SW) USTs (page 6-8)

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.

Number of SW USTs (tanks or piping)	2,540
Facilities with SW USTs (tanks or piping)	1,057
% of Statewide UST Systems (SW)	6.8%
% of Statewide UST Facilities (SW)	7.7%
SW UST Facilities with unresolved priority violation(s) in past 18 months	263

CALIFORNIA UNDERGROUND STORAGE TANK (UST) LEAK PREVENTION

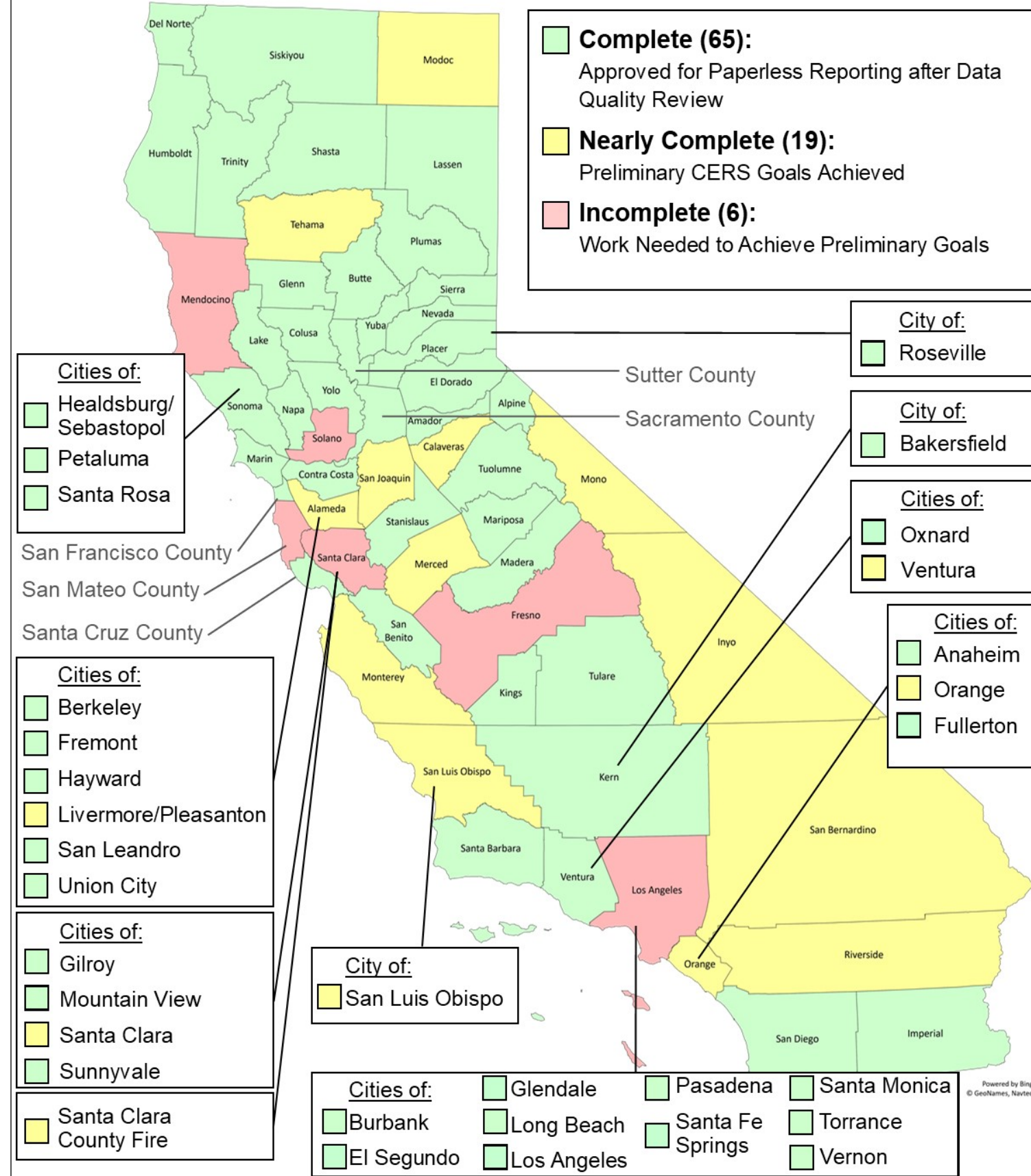
JANUARY – DECEMBER 2020 ANNUAL REPORT

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 December 2020. Data sources were collected on April 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.

CERS Implementation by Unified Program Agency (UPA)



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

* CERS data queried April 1, 2021

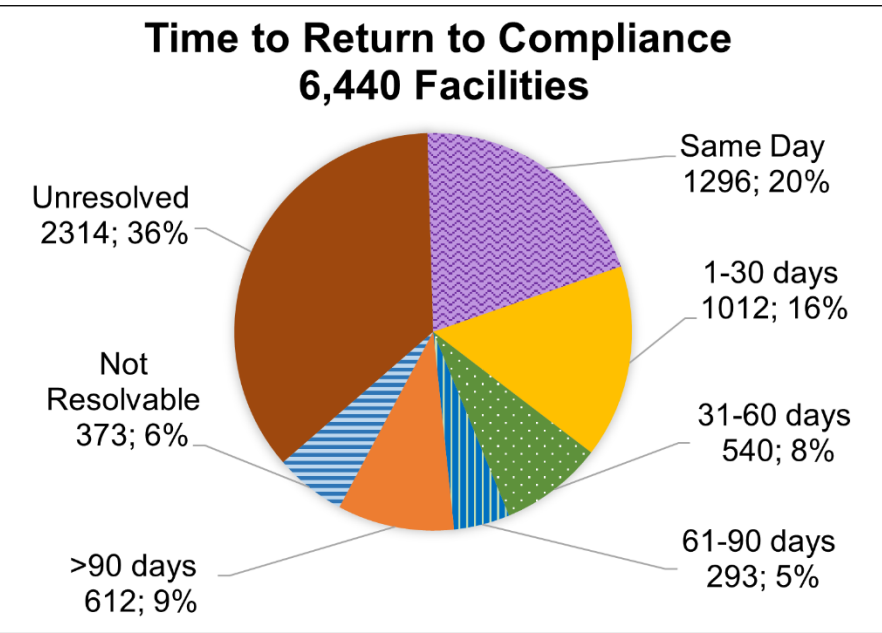
UST Violations and Return to Compliance

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 December 2020, UPAs cited one or more priority violations at 55.9% (6,440 of 11,514) of all UST facilities inspected. By April 2021, 58.3% of these facilities (3,753 of 6,440) had returned to compliance.

Number of Facilities with a Routine Inspection	11,514
Number of Additional Routine Inspections reported in a 12-month period	354
Number of Facilities with Priority Violations	6,440
Average Time to RTC*	67 days

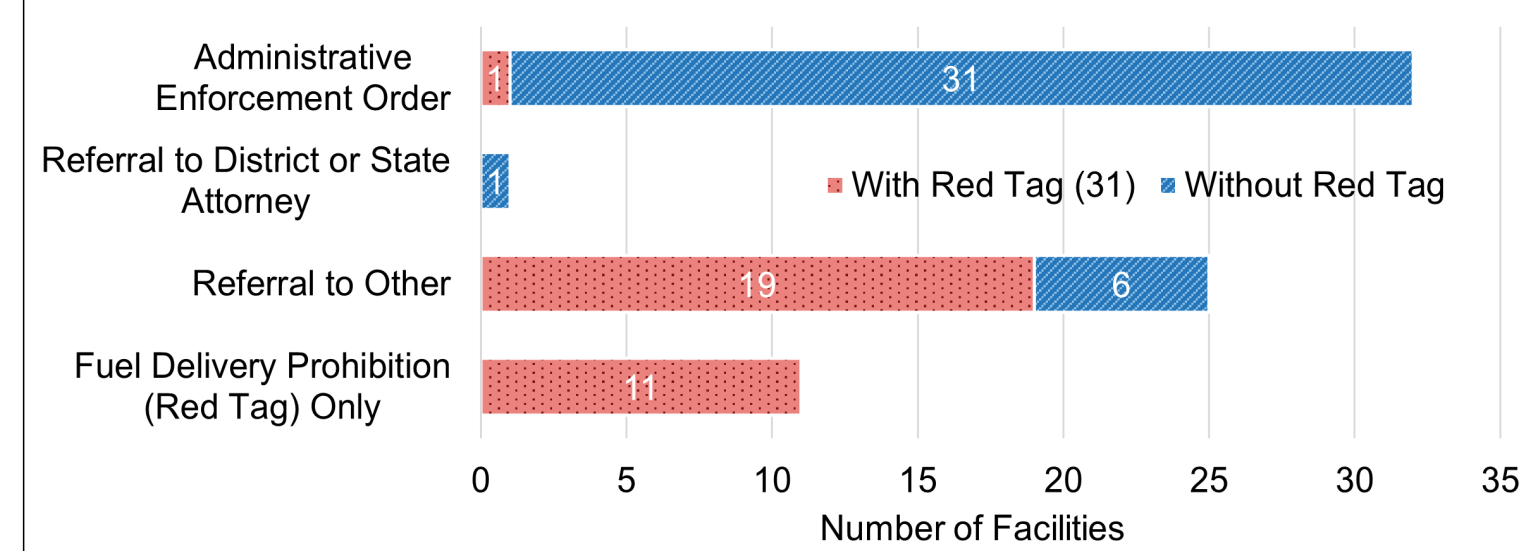
*Per Violation, not including RTC at the time of inspection (same day RTC)



Most Cited Violations between January – December 2020

Violation Name	CERS Violation Type Number	Total # of Citations	# UPAs Citing Violation	% RTC by October 2020
Designated Operator (failure to conduct monthly inspection)	2030013	2459	66	48%
Overfill Prevention (not meeting regulatory requirements)	2030036	2035	65	43%
Spill Container (not meeting maintenance/testing requirements)	2060020	1817	85	64%
Secondary Containment (failure to maintain)	2030047	1337	72	43%
Monitoring Equipment (improper installation, calibration, operation or maintenance)	2030043	1136	72	68%

Enforcement Actions Initiated at 69 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
Fresno County Department of Public Health	11%	46	0	0	N/A	N/A	N/A	N/A	N/A	0
Alpine County Health Department	100%	3	2	1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Amador County Environmental Health	90%	28	17	11	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Monterey County Health Department	94%	206	51	43	1 (2%)	1 (2%)	1 (2%)	1 (2%)	2 (5%)	0
Mono County Health Department	95%	20	45	15	0 (0%)	0 (0%)	1 (7%)	1 (7%)	2 (13%)	0
Santa Monica Fire Department	100%	38	67	31	3 (10%)	3 (10%)	3 (10%)	3 (10%)	3 (10%)	0
Calaveras County Environmental Health	81%	26	11	8	0 (0%)	1 (13%)	1 (13%)	1 (13%)	1 (13%)	0
Lassen County Environmental Health	93%	14	11	7	1 (14%)	1 (14%)	1 (14%)	1 (14%)	1 (14%)	0
Modoc County Environmental Health	100%	7	14	7	0 (0%)	1 (14%)	1 (14%)	1 (14%)	1 (14%)	0
Mountain View Fire Department	80%	21	13	7	0 (0%)	1 (14%)	1 (14%)	1 (14%)	3 (43%)	0
Madera County Environmental Health	79%	61	270	69	3 (4%)	9 (13%)	10 (14%)	11 (16%)	13 (19%)	0
Santa Cruz County Environmental Health	81%	103	81	53	5 (9%)	8 (15%)	10 (19%)	11 (21%)	13 (25%)	0
Hayward City Fire Department	65%	58	52	24	1 (4%)	2 (8%)	4 (17%)	5 (21%)	7 (29%)	0
Los Angeles County Department of Public Works	77%	1232	4524	776	16 (2%)	108 (14%)	150 (19%)	170 (22%)	196 (25%)	6
Santa Clara County Environmental Health	98%	387	675	274	18 (7%)	49 (18%)	56 (20%)	66 (24%)	76 (28%)	0
Inyo County Department of Environmental Health	96%	28	50	20	3 (15%)	4 (20%)	4 (20%)	5 (25%)	8 (40%)	0
Sierra County Human Services Department	100%	6	14	4	0 (0%)	1 (25%)	1 (25%)	1 (25%)	1 (25%)	0
Solano County Environmental Health	25%	47	57	24	2 (8%)	6 (25%)	6 (25%)	6 (25%)	6 (25%)	0
Union City Environmental Programs	86%	19	5	4	0 (0%)	0 (0%)	1 (25%)	1 (25%)	1 (25%)	0
Kern County Environmental Health Services	71%	211	199	94	12 (13%)	19 (20%)	21 (22%)	24 (26%)	34 (36%)	0
Nevada County Environmental Health	100%	36	52	21	3 (14%)	4 (19%)	6 (29%)	6 (29%)	9 (43%)	0
Santa Clara City Fire Department	100%	64	52	30	4 (13%)	9 (30%)	9 (30%)	9 (30%)	12 (40%)	0
Santa Clara County Fire Department	100%	72	59	36	9 (25%)	11 (31%)	11 (31%)	11 (31%)	11 (31%)	0
Colusa County Health and Human Services	89%	16	61	13	1 (8%)	2 (15%)	3 (23%)	4 (31%)	5 (38%)	0
Yuba County Environmental Health Department	93%	39	33	19	2 (11%)	3 (16%)	4 (21%)	6 (32%)	7 (37%)	0
Mariposa County Public Health Department	100%	39	62	31	3 (10%)	7 (23%)	10 (32%)	10 (32%)	11 (35%)	0
Livermore-Pleasanton FD	17%	26	9	6	1 (17%)	2 (33%)	2 (33%)	2 (33%)	2 (33%)	0
Oxnard Fire Department	89%	43	25	15	2 (13%)	4 (27%)	5 (33%)	5 (33%)	5 (33%)	0
Siskiyou County Community Development	84%	26	27	14	3 (21%)	4 (29%)	5 (36%)	5 (36%)	7 (50%)	0
Los Angeles City Fire Department	98%	1242	1642	651	98 (15%)	149 (23%)	209 (32%)	238 (37%)	292 (45%)	8
Tehama County Environmental Health	95%	41	62	29	3 (10%)	6 (21%)	9 (31%)	11 (38%)	14 (48%)	0
Tulare County Environmental Health	68%	185	283	132	26 (20%)	42 (32%)	48 (36%)	52 (39%)	54 (41%)	3
Burbank Fire Department	95%	63	6	5	2 (40%)	2 (40%)	2 (40%)	2 (40%)	2 (40%)	0
Del Norte Environmental Health Division	100%	11	9	5	0 (0%)	1 (20%)	2 (40%)	2 (40%)	2 (40%)	0
San Luis Obispo City Fire Department	100%	23	6	5	1 (20%)	1 (20%)	1 (20%)	2 (40%)	2 (40%)	0
Glenn County Air Pollution Control District	88%	15	42	14	4 (29%)	4 (29%)	5 (36%)	6 (43%)	7 (50%)	0
San Benito County Health Department	100%	23	12	7	0 (0%)	2 (29%)	2 (29%)	3 (43%)	6 (86%)	0
Glendale City Fire Department	97%	57	24	16	4 (25%)	6 (38%)	6 (38%)	7 (44%)	9 (56%)	0
Plumas County Environmental Health	100%	19	56	18	1 (6%)	3 (17%)	7 (39%)	8 (44%)	9 (50%)	0
San Joaquin County Environmental Health	100%	273	481	215	13 (6%)	61 (28%)	84 (39%)	98 (46%)	124 (58%)	2
Stanislaus County Environmental Resources	86%	182	280	116	29 (25%)	41 (35%)	46 (40%)	53 (46%)	61 (53%)	4
Alameda County Environmental Health	99%	238	424	190	41 (22%)	67 (35%)	86 (45%)	93 (49%)	119 (63%)	0
Torrance Fire Department	100%	54	13	12	0 (0%)	2 (17%)	6 (50%)	6 (50%)	10 (83%)	0
Tuolumne County Environmental Health	94%	32	26	16	4 (25%)	7 (44%)	8 (50%)	8 (50%)	9 (56%)	0
Vernon Health & Environmental Control Department	100%	26	2	2	0 (0%)	1 (50%)	1 (50%)	1 (50%)	1 (50%)	0
Statewide Totals	84%	11868	16164	6440	1296 (20%)	2308 (36%)	2848 (44%)	3141 (49%)	3753 (58%)	87

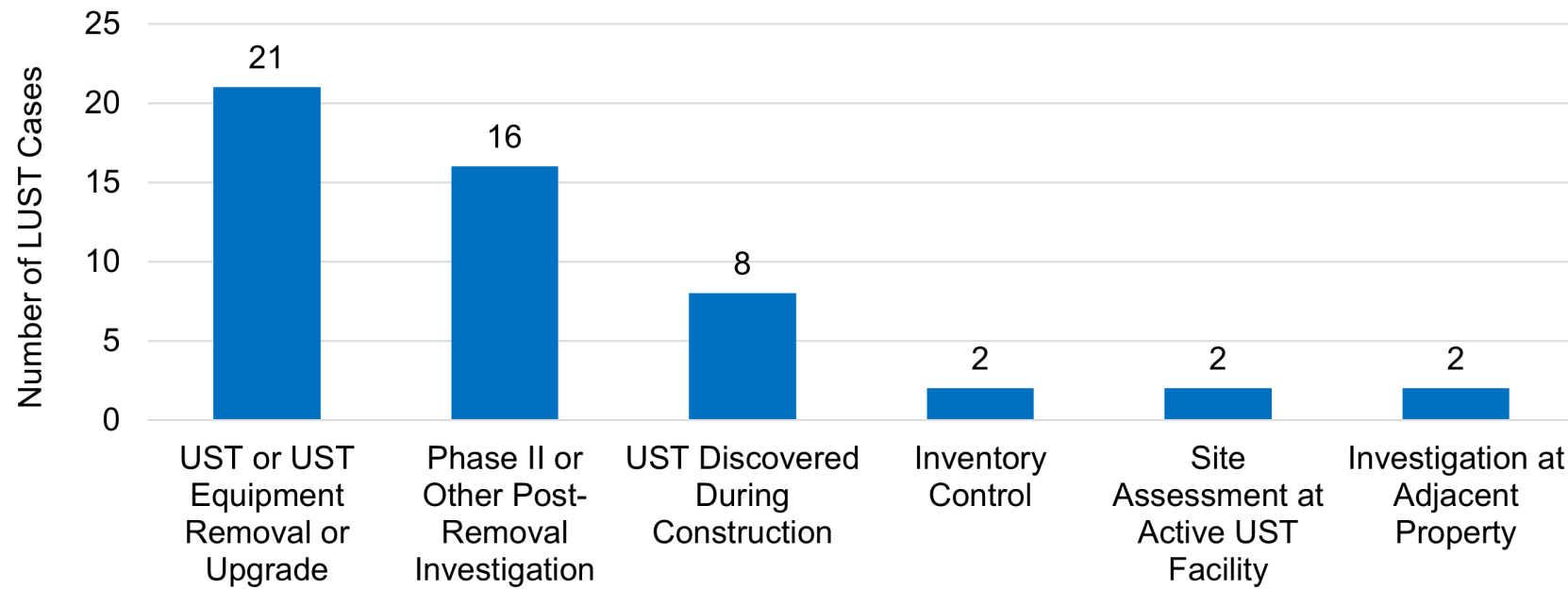
Return to Compliance by UPA, Sorted by % Facilities Return to Compliance 90 Days after Inspection (page 2 of 2)

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
Roseville City Fire Department	100%	54	80	29	8 (28%)	11 (38%)	15 (52%)	15 (52%)	19 (66%)	0
Lake County Environmental Health	88%	29	53	23	5 (22%)	9 (39%)	11 (48%)	12 (52%)	12 (52%)	0
Sacramento County Environmental Management	95%	464	606	296	94 (32%)	137 (46%)	154 (52%)	158 (53%)	184 (62%)	3
Contra Costa County Health Services Department	93%	378	366	199	56 (28%)	90 (45%)	103 (52%)	108 (54%)	140 (70%)	5
Berkeley City Toxics Management Division	83%	26	17	11	0 (0%)	2 (18%)	5 (45%)	6 (55%)	9 (82%)	0
Long Beach Environmental Health	99%	143	79	42	13 (31%)	18 (43%)	21 (50%)	23 (55%)	31 (74%)	3
San Leandro City	100%	49	17	16	3 (19%)	6 (38%)	9 (56%)	9 (56%)	10 (63%)	0
San Francisco City & County Public Health	100%	235	201	135	34 (25%)	54 (40%)	71 (53%)	76 (56%)	86 (64%)	0
San Bernardino County Fire Department	99%	831	621	400	103 (26%)	178 (45%)	210 (53%)	228 (57%)	270 (68%)	25
Shasta County Environmental Health	99%	119	154	82	27 (33%)	39 (48%)	45 (55%)	47 (57%)	66 (80%)	3
San Mateo County Environmental Health	96%	267	180	106	24 (23%)	45 (42%)	57 (54%)	63 (59%)	85 (80%)	0
Butte County Environmental Health	70%	73	85	45	9 (20%)	21 (47%)	26 (58%)	27 (60%)	35 (78%)	0
Sutter County Environmental Health	88%	36	26	15	7 (47%)	8 (53%)	9 (60%)	9 (60%)	10 (67%)	0
Santa Fe Springs Fire-Rescue	100%	30	20	13	3 (23%)	6 (46%)	7 (54%)	8 (62%)	10 (77%)	0
Merced County Environmental Health	59%	76	172	82	20 (24%)	37 (45%)	44 (54%)	51 (62%)	61 (74%)	0
Riverside County Department of Environmental	100%	690	786	390	77 (20%)	159 (41%)	211 (54%)	251 (64%)	338 (87%)	14
Pasadena Fire Department	75%	44	30	20	9 (45%)	11 (55%)	12 (60%)	13 (65%)	15 (75%)	0
Marin County Dept of Public Works, Waste Mgmt,	66%	57	62	32	16 (50%)	18 (56%)	19 (59%)	21 (66%)	22 (69%)	0
Orange County Environmental Health	100%	734	480	304	91 (30%)	152 (50%)	180 (59%)	200 (66%)	230 (76%)	8
El Dorado County Environmental Management	100%	78	136	56	12 (21%)	24 (43%)	32 (57%)	37 (66%)	42 (75%)	0
Mendocino County Environmental Health	74%	48	30	15	4 (27%)	9 (60%)	10 (67%)	10 (67%)	11 (73%)	0
Kings County Environmental Health	88%	78	82	34	9 (26%)	20 (59%)	21 (62%)	23 (68%)	27 (79%)	0
Sunnyvale Department of Public Safety	98%	40	46	25	9 (36%)	11 (44%)	14 (56%)	17 (68%)	23 (92%)	0
Humboldt County Division of Environmental Health	96%	73	59	36	11 (31%)	21 (58%)	24 (67%)	25 (69%)	26 (72%)	0
Sonoma County Fire Prevention and Hazmat	100%	79	62	34	11 (32%)	19 (56%)	21 (62%)	24 (71%)	30 (88%)	0
Imperial CUPA - DTSC	100%	80	303	74	8 (11%)	29 (39%)	45 (61%)	53 (72%)	60 (81%)	0
Anaheim City Fire Department	96%	112	59	37	17 (46%)	21 (57%)	26 (70%)	27 (73%)	33 (89%)	0
Ventura County Environmental Health	101%	163	180	80	25 (31%)	50 (63%)	58 (73%)	59 (74%)	62 (78%)	0
Yolo County Environmental Health	99%	97	37	23	9 (39%)	15 (65%)	17 (74%)	17 (74%)	19 (83%)	0
Bakersfield City Fire Department	92%	147	231	86	17 (20%)	37 (43%)	52 (60%)	64 (74%)	79 (92%)	0
Healdsburg/Sebastopol JPA	100%	14	11	8	3 (38%)	4 (50%)	6 (75%)	6 (75%)	8 (100%)	0
Ventura City Fire Department	90%	47	42	26	12 (46%)	16 (62%)	19 (73%)	20 (77%)	22 (85%)	0
San Diego County Department of Environmental	43%	422	329	232	104 (45%)	164 (71%)	177 (76%)	180 (78%)	197 (85%)	0
Santa Rosa City Fire Department	98%	55	18	16	8 (50%)	10 (63%)	10 (63%)	13 (81%)	15 (94%)	0
San Luis Obispo County Environmental Health	100%	99	170	67	16 (24%)	34 (51%)	48 (72%)	55 (82%)	64 (96%)	0
Fremont City Fire Department	47%	29	31	23	4 (17%)	9 (39%)	18 (78%)	19 (83%)	21 (91%)	0
Placer County Environmental Health	100%	93	137	64	34 (53%)	46 (72%)	51 (80%)	53 (83%)	58 (91%)	0
Gilroy City Fire Department	100%	27	23	14	8 (57%)	11 (79%)	11 (79%)	12 (86%)	12 (86%)	0
Orange City Fire Department	100%	69	54	37	17 (46%)	23 (62%)	28 (76%)	32 (86%)	34 (92%)	0
Napa County Department of Environmental	98%	44	24	18	7 (39%)	12 (67%)	15 (83%)	16 (89%)	17 (94%)	0
Santa Barbara County Environmental Health	99%	144	87	59	15 (25%)	35 (59%)	47 (80%)	53 (90%)	58 (98%)	3
El Segundo City Fire Department	100%	21	20	13	2 (15%)	5 (38%)	11 (85%)	12 (92%)	12 (92%)	0
Fullerton City Fire Department	98%	43	40	25	11 (44%)	19 (76%)	21 (84%)	24 (96%)	24 (96%)	0
Petaluma City Fire Department	95%	18	4	3	1 (33%)	3 (100%)	3 (100%)	3 (100%)	3 (100%)	0
Trinity County - DTSC	100%	7	8	5	4 (80%)	5 (100%)	5 (100%)	5 (100%)	5 (100%)	0
Statewide Totals	84%	11868	16164	6440	1296 (20%)	2308 (36%)	2848 (44%)	3141 (49%)	3753 (58%)	87

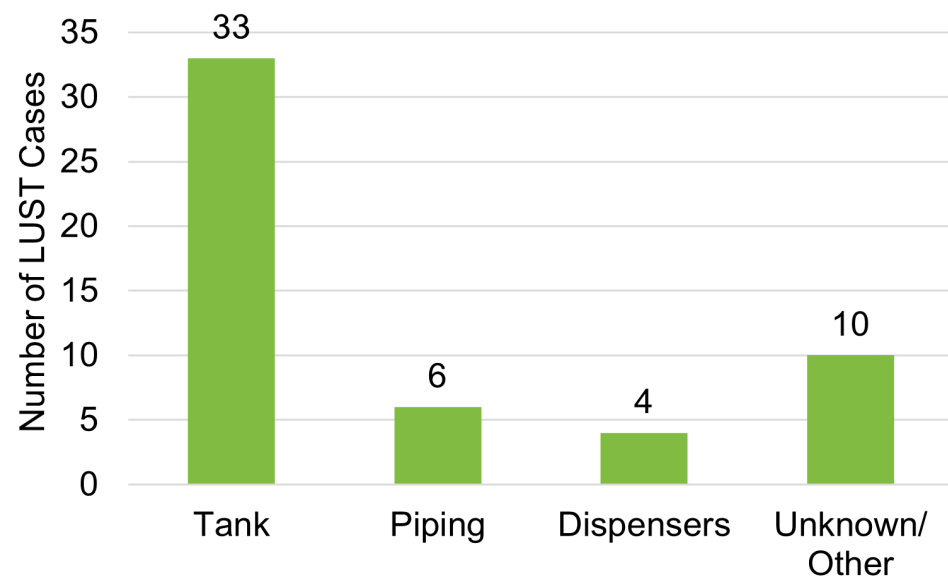
New Leaking Underground Storage Tank Cleanup Cases

GeoTracker leaking UST (LUST) data indicates that 51 new petroleum UST cleanup cases were opened, based on releases reported by UST owners, operators, and regulators, between January and December 2020.

How Release was Discovered

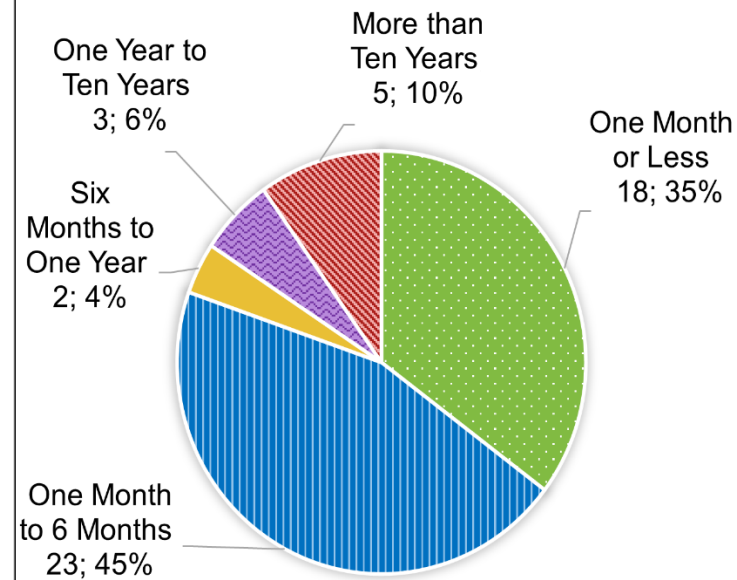


Source of Release

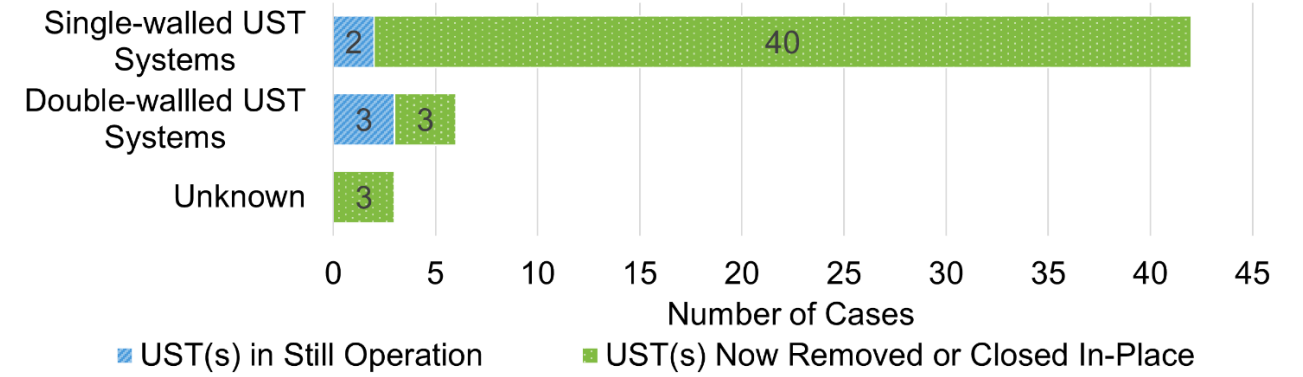


Note: In some cases, more than one component of the UST system is identified as the source. Therefore, the total number for this chart does not reflect the total number of cases.

Release Report to LUST Case (Time Elapsed)

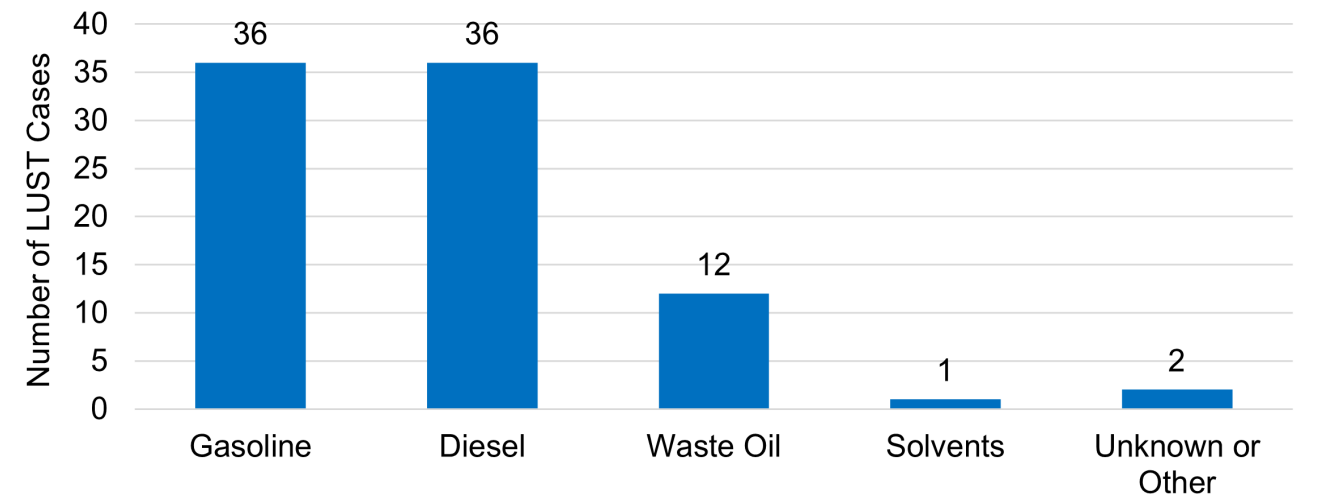


Construction Type & Status of UST Systems with a Release



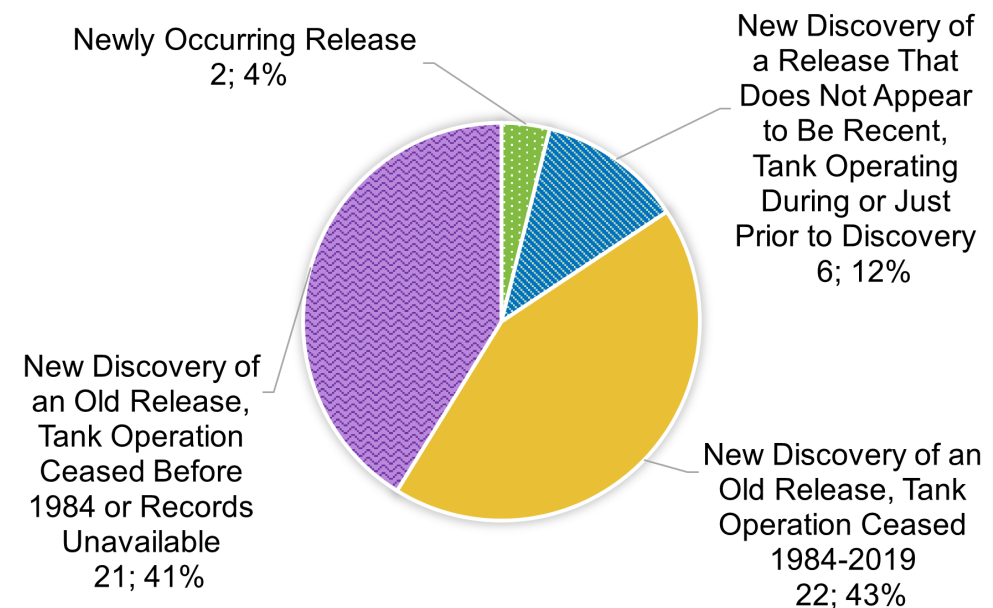
* Construction type and status are for the one or more UST systems involved in the release

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.

What's "New" About the Release



Please Reference Appendix A for Details on Individual Releases

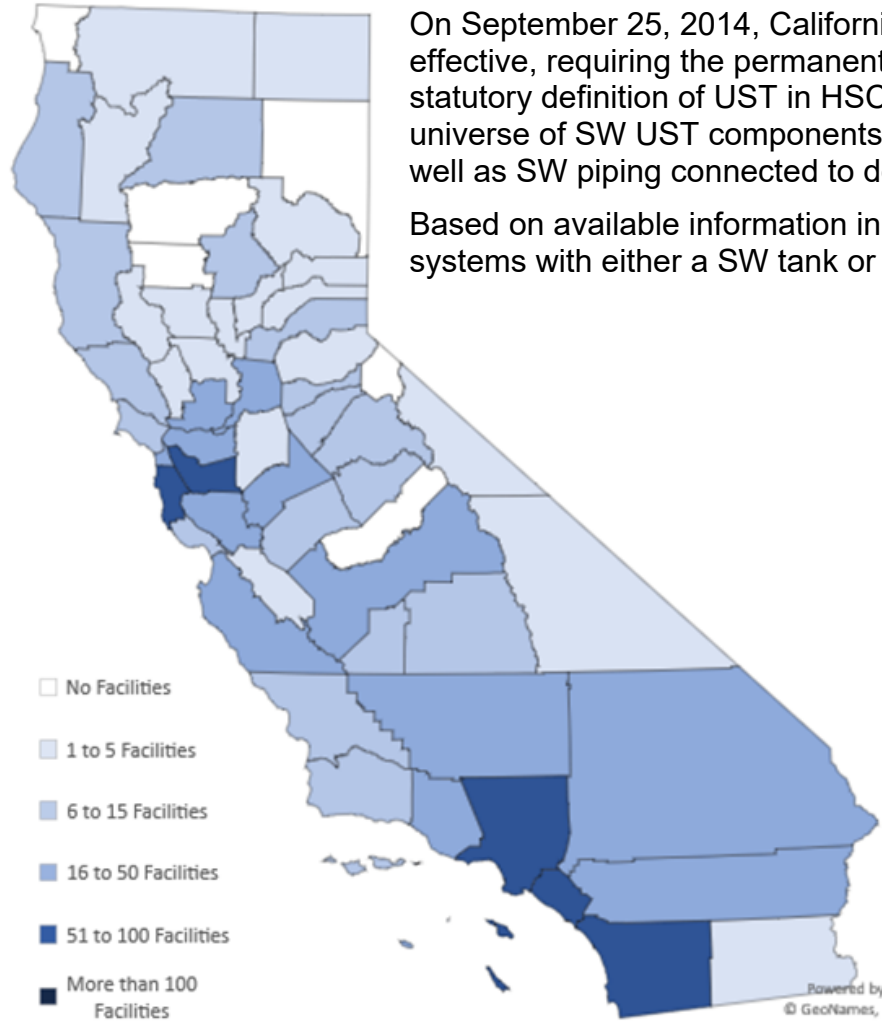
8.7%

DW UST Closures or Upgrades Resulting in Discovery of a Release (58/664 Facilities Since January 1, 2017)

25%

SW UST Closures or Upgrades Resulting in Discovery of a Release (110/447 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 April 1, 2021, California has a total of 2,540 UST systems with either a SW tank or SW piping remaining at 1,038 facilities.

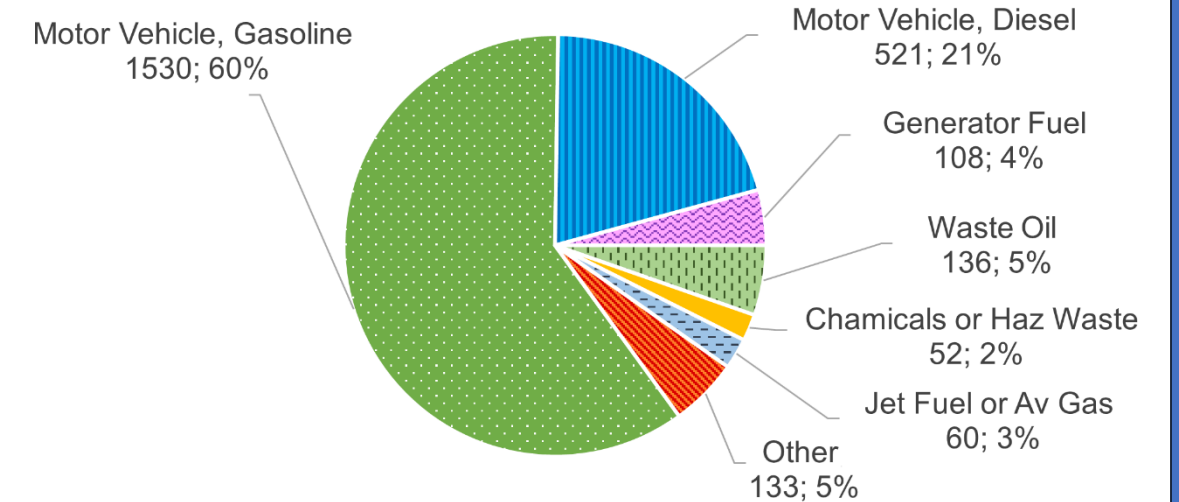
	SW Tank	DW Tank SW Piping	Total
USTs	1,939	601	2,540
Facilities	704	353	1,038

Total Facilities (1,038) is less than sum of SW Tank and DW Tank SW Piping (1,057) because some of the facilities have both types of systems.

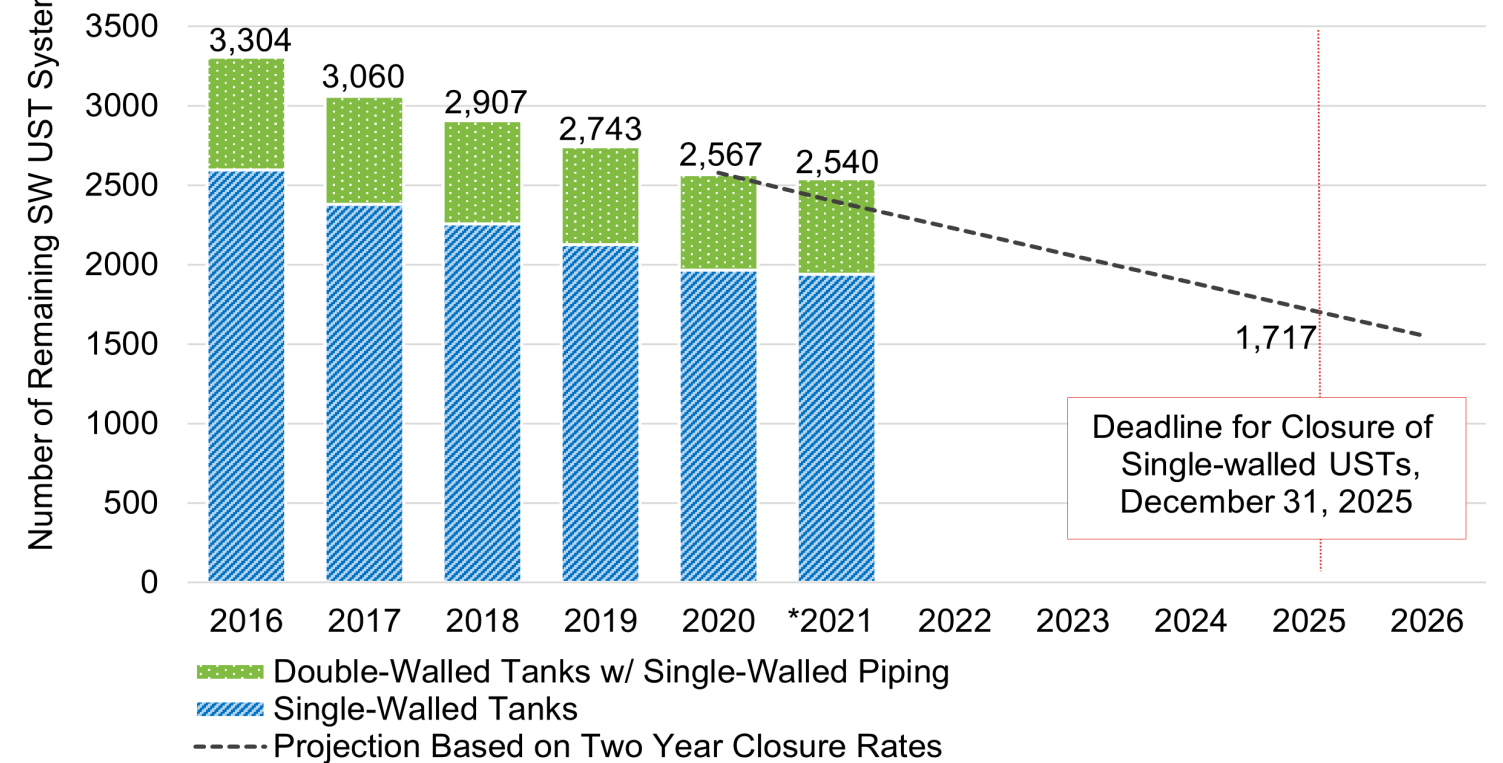
Year	SW Tanks	DW Tanks SW Piping	Total
2017	215	29	244
2018	123	30	153
2019	131	33	164
2020	162	14	176
2021	26	1	27

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

Single-Walled UST System Use/Contents

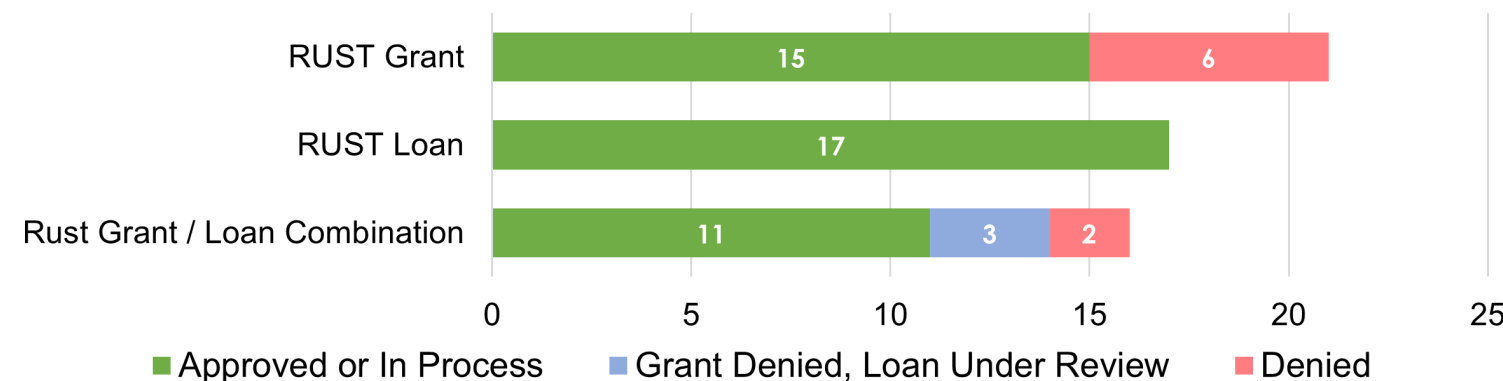


Single-Walled UST Closure Progress



RUST Applications for Single-Walled UST Closure

(54 / 107 total RUST applications submitted January 2019 - December 2020)



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.

36% of Single-Walled UST Facilities have Unresolved Priority Violations
 Facilities with unresolved violations are not eligible for RUST funding assistance.
 (379/1038 Facilities)

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	102	35	226	147	79
Los Angeles County Department of Public Works	91	19	220	171	49
San Diego County Department of Environmental Health	70	1	191	137	54
Contra Costa County Health Services Department	54	17	136	110	26
San Mateo County Environmental Health	52	22	116	92	24
Orange County Environmental Health	50	9	118	98	20
San Francisco City & County Public Health Department	48	20	96	84	12
Alameda County Environmental Health	47	10	122	115	7
San Bernardino County Fire Department	30	7	69	36	33
Kern County Environmental Health Services Department	27	14	78	75	3
Fresno County Department of Public Health	26	1	82	60	22
Santa Clara County Environmental Health	24	2	41	25	16
Stanislaus County Environmental Resources	24	23	78	76	2
Sacramento County Environmental Management Department	21	5	53	33	20
Monterey County Health Department	20	0	55	47	8
Solano County Environmental Health	18	0	38	19	19
Riverside County Department of Environmental Health	16	1	51	23	28
Bakersfield City Fire Department	15	9	36	31	5
Marin County Dept of Public Works, Waste Mgmt, CUP	14	4	34	29	5
Ventura County Environmental Health	14	2	30	21	9
Merced County Environmental Health	13	0	31	21	10
Amador County Environmental Health	12	6	38	28	10
Shasta County Environmental Health	11	0	34	26	8
Calaveras County Environmental Health	10	0	29	29	0
Kings County Environmental Health	9	0	26	26	0
Santa Clara County Fire Department	9	5	24	23	1
Tulare County Environmental Health	9	1	21	15	6
Hayward City Fire Department	9	0	17	13	4
Mariposa County Public Health Department	9	1	16	7	9
Anaheim City Fire Department	8	0	24	14	10
Mendocino County Environmental Health	8	0	24	16	8
Santa Cruz County Environmental Health	8	2	20	18	2
Butte County Environmental Health	7	0	18	13	5
San Leandro City	7	2	12	7	5
Humboldt County Division of Environmental Health	7	0	19	19	0
Burbank Fire Department	7	3	12	7	5
Berkeley City Toxics Management Division	6	4	13	10	3
Ventura City Fire Department	6	0	14	13	1
Tuolumne County Environmental Health	6	0	11	7	4
Imperial CUPA - DTSC	5	5	10	9	1
San Luis Obispo County Environmental Health	5	1	9	7	2
Long Beach Environmental Health	5	0	14	11	3
Santa Barbara County Environmental Health Services	5	0	10	8	2
Sunnyvale Department of Public Safety	5	0	10	6	4
Livermore-Pleasanton FD	5	0	15	12	3
Total	1038	263	2540	1939	601

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	2	9	9	0
Fremont City Fire Department	4	0	7	4	3
Santa Clara City Fire Department	4	3	8	7	1
Yuba County Environmental Health Department	4	6	17	11	6
Plumas County Environmental Health	4	0	14	14	0
Inyo County Department of Environmental Health Services	4	2	8	7	1
San Joaquin County Environmental Health	4	0	4	0	4
Placer County Environmental Health	3	4	8	8	0
Torrance Fire Department	3	4	7	6	1
El Segundo City Fire Department	3	2	5	2	3
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
Roseville City Fire Department	3	0	8	8	0
Lake County Environmental Health	3	3	7	7	0
Glendale City Fire Department	2	0	2	0	2
Santa Rosa City Fire Department	2	0	3	1	2
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	3	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	0	3	3	0
Yolo County Environmental Health	1	2	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	1038	263	2540	1939	601

Appendix A: Confirmed UST Releases, January – December 2020

Throughout California, 51 releases were confirmed and reported from federally regulated petroleum USTs between January and December 2020. 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).

Table of Contents	Page Number
<u>Newly Occurring Release – 2 Cases</u>	A-2
Berkeley Toxics Management Division (1 case)	A-2
Orange County Environmental Health (1 case)	A-2
<u>New Discoveries (Old Release) – 49 Cases</u>	A-3
Los Angeles County Department of Public Works (10 cases).....	A-3
Los Angeles City Fire Department (8 cases).....	A-6
San Francisco County Department of Public Health (4 cases)	A-9
Sonoma County Hazardous Materials (3 cases).....	A-10
Alameda County Department of Environmental Health (2 cases)	A-12
Berkeley Toxics Management Division (2 cases)	A-13
Fresno County Department of Public Health (2 cases)	A-14
Imperial County CUPA – DTSC (2 cases)	A-14
Orange County Environmental Health (2 cases).....	A-15
Ventura City Fire Department (2 cases)	A-16
Amador County Environmental Health Department (1 case)	A-17
El Dorado County Environmental Management (1 case).....	A-17
Humboldt County of Division of Environmental Health (1 case)	A-17
Pasadena City Fire Department (1 case).....	A-18
Sacramento County Environmental Management Department (1 case).....	A-18
San Bernardino County Fire Department (1 case)	A-19
San Diego County Department of Environmental Health (1 case).....	A-19
San Luis Obispo County Environmental Health (1 case)	A-19
Shasta County Environmental Health Division (1 case)	A-20
Union City Environmental Programs (1 case)	A-20
Ventura County Environmental Health (1 case)	A-21
Vernon Health & Environmental Control Department (1 case)	A-21
<u>Abbreviations</u>	A-22

Newly Occurring Release – 2 cases

Berkeley Toxics Management Division (1 case)

1. United Pacific #2204AD

901 Ashby Ave, Berkeley

Substance: Gasoline

Source: Tank

The release was discovered when a 12,000-gallon gasoline UST at an active fueling facility failed the required 0.2 gph monthly leak detection test (September 2020). The leaking UST was one of four single-walled, fiberglass USTs installed at the facility in 1983. According to an inspection by the city of Berkeley, the tank was emptied on September 25, 2020, and red tagged on October 5, 2020. The UST was subsequently repaired via installation of an interior lining (January 2021) and brought back into service. To address the releases, the San Francisco Bay Area Regional Water Board sent APRO LLC (the RP) a letter requiring the submittal of a CAP (October 2020). The RP submitted a site assessment work plan (November 2020) which was rejected by the Regional Water Board. The RP submitted a CAP (December 2020) that was also rejected by the Regional Water Board. A revised CAP was submitted (January 2021) and approved (February 2021) by the Regional Water Board. An initial site assessment report has been submitted (April 2021), and the site remains an active retail fuel station.

Orange County Environmental Health (1 case)

2. The MET

575 Anton Blvd, Costa Mesa

Substance: Diesel

Source: Tank

The release was discovered when the owner/operator submitted an Unauthorized Release Report which stated that a release had been detected by inventory control measures (January 2020). The release came from a 1,000-gallon diesel UST used to fuel an emergency generator at a multi-story office complex. Upon UST removal, a seam on the end of the tank was observed to be compromised (May 2020). The UST pit was over excavated, and 36 cubic yards of soil were removed from the site. Soil samples collected from the tank pit and stockpiled soils indicated the presence of diesel range petroleum hydrocarbons at low levels. Orange County Environmental Health sent a notification to initiate corrective action (June 2020). The RP's consultant submitted a site investigation work plan to Orange County (July 2020). Orange County sent a letter to the RP (August 2020) noting deficiencies in the work plan. The consultant sent a work plan addendum to Orange County (September 2020) which was approved (October 2020). The investigation report was submitted to Orange County (November 2020) and recommended additional site investigation, which was approved by Orange County (December 2020). The results of the second phase of site investigation were submitted to Orange County (March 2021).

New Discoveries (Old Release) – 49 Cases

Los Angeles County Department of Public Works (9 cases)

3. Cantamar Property Management 7400 Pacific Blvd, Huntington Park

Substance: Gasoline **Source: Unknown**

The release was discovered during a Phase II ESA (June 2006) when soil samples taken at the site revealed elevated concentrations of petroleum constituents. BTEX and VOCs were detected in soil samples collected from depths of approximately 20 and 30 feet bgs. Soil samples were collected at ten-foot intervals up to approximately 80 feet bgs, and groundwater was not encountered. The site was a retail gasoline station from 1941 to 1972. A historic records search showed the site used to contain a 5,500-gallon fuel UST and a waste oil UST of unknown size. There are no records that the USTs were removed, but the ESA did not identify anomalies typically associated with abandoned USTs. The Los Angeles County Department of Public Works referred the case to Los Angeles Regional Water Board (August 2020), which sent a request for additional information to the RP (September 2020). The site is currently occupied by a strip mall and asphalt parking area.

4. Chevron Station 20320 Avalon Boulevard, Carson

Substance: Gasoline, Diesel **Source: Piping, Dispensers**

The release was discovered during the permit process to convert a 10,000-gallon diesel UST to store E85 at this active fueling facility (July 2019). Two diesel dispensers and existing double-walled piping were removed and replaced as part of the project. Soil samples were collected beneath diesel dispensers originally installed in 1995, revealing elevated concentrations of TPHd. Results were reported in the Dispenser and Product Piping Soil Sampling Report submitted to Los Angeles County Department of Public Works (February 2020). The Los Angeles County Department of Public Works then referred the case to the Los Angeles Regional Water Board (March 2020), which sent the RP a request for information (April 2020), and a second request for information (September 2020). A closed case at the site is related to a UST system replaced in 1995.

5. City of Monrovia (Former) 1305 Mountain Avenue, Monrovia

Substance: Gasoline, Diesel **Source: Tank**

The release was discovered during a review of a report titled Investigation of Concentrations of Hydrocarbons and Lead (1987). One (1) 10,000-gallon diesel UST and one (1) 1,000 gallon gasoline tank were excavated and removed from the site (July 1987). During the excavation of the USTs, the pit was over excavated and resampled several times (July - August 1987). Soil samples indicate the presence of petroleum contaminated soils. The case was opened when the Los Angeles County Department of Public Works referred the case to the Los Angeles

Regional Water Board (January 2020). The Regional Water Board sent a request for information to the RP (March 2020). The site is currently a car dealership and service facility.

6. Geo Petroleum, Inc

5901 Triumph St, Commerce

Substance: Gasoline

Source: Unknown

The Los Angeles Regional Water Board closed a LUST case at this property in July 2016. The property owner then conducted its own sitewide investigation (February 2019) to assess petroleum contamination due to historic oil field operations. This investigation discovered elevated concentrations of DRO, ORO, and BTEX in the vicinity of the UST release. The Regional Water Board opened a new case (August 2020) to direct additional investigation in light of the proposed construction of a new 40,000 square-foot industrial building on the property. A work plan for three soil borings was submitted (September 2020), approved (October 2020), and implemented (March 2021). Groundwater was not encountered up to a depth of 101.5 feet bgs, and a Public Notice of Case Closure was issued (April 2021). Historically, one (1) 550-gallon gasoline UST, fuel dispenser and associated piping was removed from the site in September 1998. Soil samples taken during tank removal showed concentrations of TPHg, BTEX and MTBE to a depth of 22 feet bgs. In September 2015, an additions soil assessment was performed at the site that showed limited concentrations of TPHg and BTEX at 10 feet bgs.

7. Hydroform USA

2848 208th Street E, Carson

Substance: Diesel, Gasoline

Source: Unknown

The release was detected when soil samples taken during the removal of two (2) USTs (July 2020), one 2,000-gallon acetone UST and one 1,000-gallon gasoline UST, detected elevated concentrations of GRO and BTEX. The USTs had previously been closed by filling them with sand and abandoning them in place (time frame unknown) and were located during a Phase II ESA (2000). The Los Angeles County Department of Public Works referred the case to the Los Angeles Regional Water Board (October 2020), which sent a request for additional information and workplan to the RP (October 2020). The site is an industrial lot with an 81,000 square foot building, a 6,000 square foot storage building, and several asphalt parking areas.

8. KBK Azusa Properties, LLC

1001 Kirkwall Rd W, Azusa

Substance: Diesel, Gasoline

Source: Tank

The release was discovered during the removal of eight (8) USTs with capacities ranging from 1,000 to 7,500 gallons (August 1986). The UST closure report indicates difficulty in obtaining soil samples during removal of the tanks due to the sandy and gravelly nature of the

subsurface soils. Soil samples were primarily obtained using a spade and mason jar. UST 1, a 1,000-gallon waste oil UST, was ruptured during removal. Groundwater was not encountered at the site and is expected to occur at depths of approximately 100 to 220 feet bgs based on hydro-geo maps from surrounding properties. The Los Angeles County Department of Public Works referred the case to the Los Angeles Regional Water Board (November 2020), which requested additional information and a work plan from the RP (April 2021). The site is currently occupied by a painting business.

9. Monreal’s Auto Repair

7853 Pearblossom Hyw, Littlerock

Substance: Diesel

Source: Tank

The release was discovered during the removal of four (4) 20,000-gallon single-walled USTs (October 2020). The site was formerly a service station. No holes or leaks were observed in any of the removed USTs, nor was discolored soil observed in tank excavations. Soil samples taken during the removal of the USTs showed elevated concentrations of diesel range organics. The Los Angeles County Department of Public Works referred the case to the Lahontan Regional Water Board (May 2021). The site is currently occupied by an auto body repair shop.

10. Piazza David and Stephanie TRS

2266 Foothill Blvd, La Canada

Substance: Waste Oil

Source: Tank

The release was discovered during the removal of four (4) steel USTs, two 10,000-gallon gasoline, one 5,000-gallon gasoline, one 550 waste oil UST, associated piping, and dispensers from the site (October 1999). No holes or leaks were observed in any of the removed gasoline USTs, but discolored soil was found beneath the waste oil UST, possibly from overfilling. Soil samples taken during the removal of the USTs confirm that a release occurred in the vicinity of the waste oil tank. The Los Angeles County Department of Public Works referred the case to the Los Angeles Regional Water Board (October 2020), which issued a directive for additional soil sampling (December 2020). This RP submitted a work plan, and the Regional Water Board approved it (January 2021). The supplemental assessment report contained the results of 18 additional soil samples collected from 4 boreholes, including PAH analysis (February 2021). The highest concentration of TPH was 230 mg/kg at depth of 5 feet bgs taken from directly beneath the former waste oil UST location, and PAHs were not detected. A Public Notice of Case Closure was issued by the Regional Water Board (March 2021). The site is currently occupied by an auto body repair shop.

11. Superior Merchandise, Inc

7825 Telegraph Rd, Montebello

Substance: Gasoline

Source: Unknown

The release was discovered during the removal of five (5) fiberglass USTs and associated piping (November 2018). The former UST systems included one double-walled UST storing diesel fuel installed in 1997, three single-walled USTs storing gasoline installed in 1982, and one double-walled UST storing waste oil installed in 1985. Soil samples collected during tank removal confirmed the presence of petroleum hydrocarbons beneath one of the USTs, although the tank removal report speculates this may be residual contamination from past releases (three other LUST cases closed in 1993, 2004 and 2010 are associated with the same property). The Los Angeles County Department of Public Works referred the case to the Los Angeles Regional Water Board (October 2020), which sent a request for information and a workplan to the RP (November 2020). New double-walled USTs were installed at the site in 2019, and the site continues to operate as a retail gas station.

12. The Hale Corporation

840 Huntington Dr, Monrovia

Substance: Waste Oil

Source: Tank

The release was discovered during the removal of two single-walled steel USTs abandoned in 1975, one a 1,000-gallon gasoline UST and the other a 550-gallon waste oil UST (April 1994). Soil samples collected from beneath the tanks indicated a release of petroleum hydrocarbons had occurred from the waste oil UST. The waste oil UST excavation pit was enlarged and over excavated, but the UST removal report does not state the quantity of soil removed from the site. The excavation pit was resampled and no petroleum constituents were detected. The Los Angeles County Department of Public Works referred the case to the Los Angeles Regional Water Board (September 2020), which sent the RP a request for a work plan (October 2020). The RP submitted the requested work plan (December 2020), and the Regional Water Board approved it (February 2021). The site is occupied by a restaurant, which is not currently in operation.

Los Angeles City Fire Department (7 cases)

13. 730 Vermont Ventures, LLC

730-732 Vermont Ave, Los Angeles

Substance: Gasoline

Source: Tank

The release was discovered when soil samples were taken during a Phase II ESA (December 2019). The soil samples contained detections of TPHg and VOCs. A methane survey (October 2020) detected 853,000 ppmv methane at nine feet below ground surface, and the Los Angeles City Fire Department referred the case to the Los Angeles Regional Water Board (November 2020). A site investigation work plan was submitted (December 2020) and then approved (February 2021). The site was occupied by multiple gasoline stations from 1924

until 1986. The property to the north of the site is an operating retail gasoline station that was the subject of a LUST case closed in 2013. A former gasoline retail station located approximately 186 feet northwest of the site was the subject of a separate LUST case that was also closed in 2013. Localized groundwater reportedly flows to the southwest. The property is fenced and contains a vacant one-story commercial building, last used as a dental practice, with an asphalt parking lot.

14. Auto Repair Facility

2111 Firestone Blvd, Los Angeles

Substance: Diesel, Oil

Source: Unknown

The release was discovered during a Phase II ESA (August 2020) when soil samples detected slightly elevated concentrations of petroleum constituents, including TPHg, in the suspected former UST area. The site operated as an automotive repair and retail gasoline station from approximately 1930 through the 1960s. The Los Angeles Regional Water Board requested a work plan for additional site investigation (October 2020), which was submitted and approved (November 2020). The additional site investigation concluded that shallow and deep soil samples showed no significant petroleum hydrocarbon contamination and that the threat to groundwater (75 feet bgs) at the site was low (January 2021). The Regional Water Board issued a Public Notice of Case Closure (February 2021) and then closed the case (April 2021). The site is currently a fenced in vacant lot zoned for commercial use.

15. Division 8 Bus Maintenance

9201 Canoga Ave, Chatsworth

Substance: Gasoline, Diesel, Motor Oil

Source: Piping

The release was discovered during the removal of 9 USTs of various sizes and contents (December 2019 to April 2020); two (2) 30,000-gallon diesel USTs, one (1) 10,000-gallon gasoline UST, two (2) 5,000-gallon motor oil USTs, one (1) 4,000-gallon antifreeze UST, one (1) 5,000-gallon waste oil UST, one (1) 3,000-gallon torque oil UST, one (1) 500-gallon diesel UST. Soil samples taken at the site showed elevated concentrations of diesel and oil range organics. The Los Angeles City Fire Department referred the case to the Los Angeles Regional Water Board (September 2020), which sent a directive letter to Los Angeles County Metropolitan Transport Authority, the RP, (October 2020) with a request for additional information and a workplan. The requested workplan was submitted (December 2020) and approved (January 2021) by the Regional Water Board. The site is 17 acres and takes up an entire city block; it continues to be used as a bus storage and maintenance facility.

16. ECI Five Centinela LLC

5650 Centinela Avenue, Los Angeles

Substance: Gasoline, Diesel

Source: Tank

The release was reported after the removal and closure of two double-walled USTs (January 2020). The USTs were installed in 1998 and had been out of service since 2009. UST 1, a 10,000-gallon gasoline UST, was excavated and removed from the site; UST 2, a 10,000-gallon diesel UST, was abandoned in place. The Los Angeles City Fire Department referred the case to the Los Angeles Regional Water Board (April 2020). The Regional Water Board sent a request for additional information and a work plan (April 2020), citing soil vapor sampling results (July 2018), groundwater sampling results (August 2018), and soil sampling results (June 2019). The work plan was submitted to the Regional Water Board and approved (June 2020). The Additional Subsurface Characterization Report was submitted (September 2020), and results indicate PCE is the primary remaining contaminant of concern. The Regional Water Board issued a Public Notice of Case Closure (October 2020) and then closed the case (January 2021). The site is currently a vacant two-story office building and warehouse.

17. Former Mobil Station #99LAF

1347 Florence Ave W, Los Angeles

Substance: Gasoline, Diesel

Source: Dispenser

The release was discovered during a site investigation in the vicinity of a former dispenser island when elevated levels of TPHg were found in soil samples at a depth of approximately 25 feet bgs. Groundwater was not encountered at the site to the maximum depth explored of 40 feet bgs. A retail gasoline station operated on site until it ceased operation in 1971. The Los Angeles City Fire Department referred the site to the Los Angeles Regional Water Board (November 2020), which requested additional information and a workplan from the RP (January 2021). The RP responded to this request with a letter and uploaded copies of the Phase I and Phase II ESAs from 2014. The site is currently a commercial strip mall consisting of various restaurants, small businesses, liquor store, and asphalt parking lot.

18. Former Station

705 El Segundo Blvd, Gardena

Substance: Gasoline, Diesel

Source: Tank, Piping

A retail gas station operated at the property between 1966 and 2000, at which point three single-walled steel USTs were removed (three 8,000-gallon gasoline and one 550-gallon waste oil USTs). Approximately 17 tons of hydrocarbon impacted soil were removed at that time. A recent Phase I ESA revealed that the piping and fuel island were still present, and both were subsequently removed (June 2020). Soil samples taken during removal showed concentrations of petroleum constituents in one sample beneath the former piping run. The Los Angeles City Fire Department referred the case to the Los Angeles Regional Water Board (November 2020). The Regional Water Board requested additional information and a work

plan from the RP (December 2020). The work plan was submitted and approved (February 2021). A soil vapor investigation report was then submitted to the Regional Water Board (April 2021). The site is fenced and currently occupied by a vacant commercial building.

19. LAFD Fire Station #85

1331 253rd Street W, Harbor City

Substance: Gasoline, Diesel

Source: Tank

The release was discovered during the removal of one 10,000-gallon diesel UST, the closure in place of one 10,000-gallon gasoline UST, and the removal of associated piping and one dispenser (August 2020). Soil samples taken from beneath the gasoline tank showed elevated concentrations of petroleum constituents, specifically TPHg and TPHd. The Los Angeles City Fire Department referred the case to the Los Angeles Regional Water Board (October 2020), which sent a request for additional information and a workplan to the RP (October 2020). Another UST cleanup case was open at this property from 2001 to 2013, and the site remains an active Los Angeles City Fire Department Station.

208. Union Pacific Railroad LATC

750 Lamar St, Los Angeles

Substance: Diesel, Gasoline

Source: Tank

The release was discovered during when two (2) previously unknown USTs were discovered during construction at the site (April 2020). The single-walled USTs had a capacity of 10,000-gallons. The USTs were found in good condition, with no holes or visible pitting during tank removal (June 2020), but discolored soil was noted in the excavation pits. Soil samples collected from the UST excavations showed elevated concentrations of TPHg and TPHd. The Los Angeles City Fire Department referred the case to the Los Angeles Regional Water Board (April 2021). The site is Union Pacific Railroad’s Los Angeles Transit Center.

San Francisco County Department of Public Health (4 cases)

21. 1435 San Bruno

1435 San Bruno, San Francisco

Substance: Gasoline

Source: Tank

The release was discovered (September 2020) during the removal of one (1) single-walled steel UST with an estimated capacity of 1,130 gallons. The UST was located beneath the sidewalk in front of a commercial warehouse, and its age is unknown. A fuel dispenser had been located in the warehouse but was removed previously by others; it was reportedly used to fuel delivery trucks in the past. The UST was noted to be in poor condition at the time of removal, with at least one visible hole. Soil discoloration and petroleum odors were observed in the tank excavation pit. Soil samples collected during tank removal showed elevated concentrations of TPHg and gasoline constituents. The site was over excavated (October 2020) and approximately 33.4 tons of impacted soil from the UST excavation was removed

and disposed offsite. Confirmation soil samples were taken, and the excavation was backfilled. San Francisco Department of Public Health issued a Public Notice of Case Closure (November 2020) and then closed the case (January 2021). The site is currently occupied by a sheet metal contractor.

22. 1575 15th

1575 15th Street, San Francisco

Substance: Diesel

Source: Tank

The release was discovered when a previously unknown UST was found during reconstruction of an exterior stairway at the school (July 2020). The single-walled steel UST had a capacity of approximately 1,500-gallons. The age of the UST was unknown, and the area exhibited no indication of previous site investigation activities. Due to the proximity of the UST to the building, the tank was closed in place. The UST was found in poor condition, with at least one visible hole. Soil discoloration and hydrocarbon odors were not observed beneath the UST, but they were apparent in the over burden soil. Approximately 42.6 tons of impacted soil was removed from the excavation and disposed offsite. San Francisco Department of Public Health issued a Public Notice of Case Closure (October 2020) and then closed the case (December 2020). The site is currently occupied by Marshall Elementary School, part of the San Francisco Unified School District.

23. 349 8th Street

349 8th Street, San Francisco

Substance: Diesel, Motor Oil

Source: Tank

The release was discovered when two (2) single-walled steel USTs were found during construction activities at the site (October 2020). The first UST was approximately 2,000-gallons in size, and the second UST was approximately 500-gallons in size. Both were found in good condition, with no noticeable holes or cracks. There was no visible staining of the soils beneath the USTs in the excavation pit. Groundwater was not encountered during excavation. Soil samples taken from beneath both USTs did not contain petroleum hydrocarbons at detectable levels, but the composite soil sample taken from the soil stockpile contained elevated levels of TPHd and TPHmo. A third single-walled steel UST, also 2,000 gallons in size, was subsequently found and removed (February 2021), and soil samples taken from beneath the UST contained elevated levels of TPHd and TPHmo. The site is undergoing renovation and reconstruction into a residential condo building with 38 units.

24. Jerrold Avenue

1801 Jerrold Avenue, San Francisco

Substance: Diesel, Motor Oil

Source: Tank

The release was discovered during removal of a 6,000-gallon diesel UST made from reinforced concrete (July 2020). Approximately 54 cubic yards of soil was over-excavated

during UST removal. The UST was used to fuel the asphalt production plant formerly located on site and was identified from schematics dated June 1953. A site wide subsurface investigation found elevated concentrations of DRO and ORO (2013). San Francisco County Department of Public Health sent the San Francisco Department of Public Works (the RP) a notice of responsibility (July 2020). A Public Notice of Case Closure was issued (August 2020) and the case was then closed (October 2020). The site is owned by the City of San Francisco and appears to be in the midst of redevelopment.

Sonoma County Hazardous Materials (3 cases)

25. Bakhtiari 2006 Trust

7611 Redwood Drive, Cotati

Substance: Diesel, Motor Oil

Source: Unknown

The release was discovered during a Phase II ESA (June 2020) when elevated concentrations of petroleum constituents were detected in soil and groundwater samples. According to the Phase I ESA, the site was previously associated with the northern adjacent property prior to its separation into the existing parcels. Site construction drawings from 1979 show two gas pumps on this parcel. Additionally, the site was used for auto body repair from approximately 1994 through 2006. The geophysical survey conducted for the Phase II ESA identified a possible UST excavation southwest of the building located on site. The North Coast Regional Water Board requested the submittal of a site investigation work plan (July 2020). The work plan was submitted and approved (August 2020), and the results were submitted to the Regional Water Board (October 2020). A Public Notice of Case Closure was issued (November 2020), and the Regional Water Board then closed the case (January 2021). The site is currently a hydroponics retail store, warehouse, and vacant office space.

26. Former Sutter Hospital

3325 Chanate Road, Santa Rosa

Substance: Diesel

Source: Tank

The release was discovered during removal of a double-walled 10,000-gallon diesel UST that was used to fuel the backup generator formerly located on site. Groundwater was observed in the tank pit at a depth of approximately 4 feet bgs at the time of tank removal (November 2020). DRO and BTEX were detected in soil and groundwater samples taken during UST removal. The site was a community hospital from 1936 until 2014. The UST was emptied and placed into temporary closure shortly after closure of the hospital. A site assessment work plan was submitted and approved by the North Coast Regional Water Board (November 2020). The site assessment report was submitted (December 2020), and a Public Notice of Case Closure was issued (December 2020). The Regional Water Board then closed the case (March 2021). The site is currently vacant.

27. The Bird

1150 Santa Rosa Ave, Santa Rosa

Substance: Gasoline, Diesel

Source: Tank

The release was discovered during the removal of three (3) single-walled steel USTs, one 550-gallon UST and two 1,000-gallon USTs, from the site (November 2020). One of the 1,000-gallon USTs was found in poor condition, had numerous holes on the bottom, and the soil beneath the tank was discolored. Soil samples taken from the site identified a release of petroleum hydrocarbons consistent with TPHg. Previously, a Phase I ESA had discovered that the site was a fueling station, and the Phase II ESA revealed three metallic anomalies associated with USTs. The tank removal report, Phase II ESA, a subsurface investigation report, and an indoor ambient air assessment report were uploaded to GeoTracker with December 2020 dates. The North Coast Regional Water Board sent the RP a letter requiring a subsurface investigation (December 2020). The site is currently a restaurant.

Alameda County Department of Environmental Health (2 cases)

28. 1468 14th Street UST

1468 14th Street, Oakland

Substance: Diesel, Stoddard Solvent

Source: Tank

A Phase II ESA identified two subsurface anomalies consistent with USTs at a building occupying both 1450 and 1468 14th Street. A Phase I ESA identified the site had previously been an auto repair garage from approximately 1951 to 1961. This release was discovered (December 2019) when soil samples were collected during the removal of UST 1 at 1450 14th Street and the in-place closure of UST 2 at 1468 14th Street. UST 1 was approximately 1,050 gallons and observed to be intact with no visible holes, but discolored soil was observed below the south end of the excavation. UST 2 was also 1,050 gallons and contained approximately 100 gallons of residual Stoddard solvent and water; it was not removed due to the proximity of an electrical conduit. The liquid was vacuumed out and the tank was closed in place with slurry. Soil and groundwater samples indicate a release of petroleum hydrocarbons. A subsurface investigation report was performed (May 2020), and a soil gas vapor sampling report was submitted to Alameda County Health Services (August 2020). The case was closed February 10, 2021. The site is currently a self-storage facility.

29. Frei Property

126 2nd Street, Oakland

Substance: Diesel, Gasoline

Source: Tank

The release was discovered during removal of a 1,100-gallon single-walled steel UST from beneath the sidewalk in front of the property (October 2020). A fuel dispenser was previously located inside the building. The tank was found with visible holes in the bottom and leaking fluid. Stained soil and hydrocarbon odors were observed in the UST excavation pit. Soil samples taken from the soil beneath the tank showed a release of petroleum hydrocarbons

consistent with gasoline and diesel. Alameda County Department of Environmental Health sent the RP a notice of responsibility (April 2021).

Berkeley Toxics Management Division (2 cases)

30. Berkeley Adult Mental Health Clinic **2640 Martin Luther King Jr Way, Berkeley**

Substance: Diesel **Source: Tank**

The UST was discovered during excavation, which was stopped due to a strong diesel-like odor from an unknown petroleum product and a visible sheen on water present in the excavation (March 2020). Samples of the tank contents, groundwater that pooled in the UST excavation, and overburden soil samples were collected between March and May 2020 and indicate a release had occurred from the UST. Upon removal, a small hole was discovered on the bottom of the UST. Approximately 15 cubic yards (cy) of soil were over-excavated during removal of the UST (June 2020). An additional 30 cy of petroleum impacted soil was over excavated at a later date (July 2020). The San Francisco Bay Area Regional Water Board issued a Public Notice of Case Closure (November 2020). The site is currently an adult mental health facility owned by the City of Berkeley.

31. Former Holland Service Garage **2201 San Pablo Avenue, Berkeley**

Substance: Gasoline, Diesel, Waste Oil **Source: Tank**

The release was discovered during a Phase II ESA when soil and groundwater sampling results indicated a release of petroleum hydrocarbons had occurred at the site (January 2020). A waste oil UST and dispensers for two gasoline USTs were previously located on the property from 1963 to 1987. The gasoline USTs were located on an adjacent property, with all three USTs being removed in 1987. Although permit records were cited in an earlier Phase I ESA (October 2019), no UST removal reports could be found. The San Francisco Bay Area Regional Water Board referred the case to Alameda County Department of Environmental Health (May 2020). The RP's consultant submitted a work plan for additional subsurface investigation to Alameda County (September 2020). Alameda County requested revisions to the work plan during a November 2020 meeting. A work plan addendum was submitted (December 2020), and ACDEH then requested a revised document with all changes incorporated, which was submitted (January 2021) and approved (February 2021). The site is currently under consideration for redevelopment that may include excavation activities for underground parking.

Fresno County Department of Public Health (2 cases)

32. Xpress Mart

5790 N Fresno St, Fresno

Substance: Gasoline

Source: Tank

Three (3) single-walled 12,000-gallon USTs originally installed in 1983 were removed from the site, along with product dispensers and associated piping (March 2020). Soil samples taken at that time indicated a release of petroleum beneath the USTs consistent with gasoline range hydrocarbons. The Central Valley Regional Water Board sent a letter to the responsible party (RP) requesting a site investigation (April 2020). A preliminary site assessment work plan was submitted to and approved by the Regional Water Board (November 2020). New double-walled USTs replaced the removed USTs, and the site remains an active retail fueling facility. There is a closed case at the site, but the previous release was only associated with the dispensers.

33. Salwasser 2014 Trust

415 S Dickenson Ave, Fresno

Substance: Gasoline, Diesel

Source: Tank

The release was discovered during the removal of three (3) USTs, one (1) 1,500-gallon gasoline UST, one (1) 2,500-gallon diesel UST, and one (1) 500-gallon diesel UST (December 2020). Soil samples collected during removal of the tanks showed elevated concentrations of TPHd and TPHmo below the 500-gallon diesel UST. Fresno County Department of Public Health referred the case to the Central Valley Regional Water Board (December 2020), which sent a request for information and workplan to the RP (December 2020). The requested workplan was submitted (February 2021) and approved by the Regional Water Board with conditions (March 2021). The site is a residence with a workshop and surrounding agricultural land.

Imperial County CUPA – DTSC (2 cases)

34. Mann Company

1313 Main Street, Brawley

Substance: Gasoline, Diesel

Source: Tank

The release was discovered during excavation and removal of three (3) 1,000 gallon single-walled USTs and 10 feet of piping (April 2020). The abandoned USTs were found during a Phase I ESA that identified three subsurface anomalies on the western portion of the site, approximately 25 feet north of the existing dispenser island. Upon removal, UST 1 was found to contain several gallons of gasoline, UST 2 was found to contain several gallons of diesel, and UST 3 was reportedly empty. Soil samples collected from the tank pit during excavation indicate a release of gasoline and diesel range hydrocarbons. The Tank Removal and Sampling Report was submitted to the Colorado River Basin Regional Water Board (July 2020). The Regional Water Board sent a request for a work plan to the RP (August 2020). A

work plan proposing 9 borings and collection of soil and groundwater samples was submitted to the Regional Water Board (October 2020) and approved (December 2020). The site is currently occupied by Mann Company, a bulk fuel storage and dispensing company. The site has been a gasoline service station since approximately 1960, operating aboveground storage tanks since at least 2013.

35. Sidewinder Chevron

611 Sidewinder Road, Winterhaven

Substance: Gasoline

Source: Unknown

The release was discovered when MTBE was detected above the secondary MCL during 2015, 2016 and 2019 annual groundwater sampling required by the permit for this operating retail fueling station. MTBE was detected in an onsite supply well that provides potable water to the convenience store and its customers. A Notice of Violation was issued (July 2019) for failure to monitor the well for MTBE in 2017 and 2018. The RPs consultant submitted a site assessment work plan to the Colorado River Basin Regional Water Board (February 2020) which was subsequently approved (April 2020). A time extension to submit the technical report was requested by the RP (May 2020) and granted (July 2020). The site assessment report was submitted to the Regional Water Board (October 2020), which responded and concurred with the report recommendations (December 2020). The facility operates two (2) 10,000-gallon double-walled gasoline USTs that were installed in 1990.

Orange County Environmental Health (2 cases)

36. Douglas Oil Company

18462 Beach Blvd, Huntington Beach

Substance: Gasoline

Source: Unknown

The release was discovered during a soil vapor investigation for an active LUST case across the street to the south at 18502 Beach Blvd. Soil vapor samples collected from the site showed elevated concentrations of TPHg. The site is a former service station from approximately 1969 to an unknown time. Orange County Environmental Health opened the case and notices of responsibility were sent to potential RPs (May 2021). The site is currently a fast-food restaurant.

37. United Pacific Station #158

5502 Orangethorpe, La Palma

Substance: Diesel

Source: Dispenser

The release was discovered when soil samples were taken during fuel dispenser removal (April 2020). The soil samples indicated that a release of petroleum hydrocarbons had occurred at the site. The VOC profile of the samples indicates the release is potentially residual from previous LUST cases at the site. Previous LUST cases were open at the site from September 1987 until April 1994 and January 1996 until March 2015. The Orange County

Environmental Health Services sent a Notification to Initiate Corrective Action to the RP (May 2020). A Preliminary Site Assessment Work Plan was submitted (October 2020) and approved by Orange County (December 2020). The site assessment report was submitted to OCEH (April 2021). The site remains an active fueling facility.

Ventura City Fire Department (2 cases)

38. Avenue Trailer Town Partners, LLC 251 Ventura Avenue N, Ventura

Substance: Gasoline, Diesel, Waste Oil Source: Tank

The release was discovered during the removal of twelve (12) USTs from the site (April 2020). The USTs were identified during a Phase II ESA, which stated the property had previously been an oil and gas service station (1928 – 1968). Visual inspection of the USTs identified numerous perforations resulting from corrosion. Strong petroleum odors were noted in soil beneath the excavated USTs. The UST System Removal and Compliance Soil Sampling Report (May 2020) recommended removal of impacted soil. The Ventura City Fire Department referred the case to the Los Angeles Regional Water Board (June 2020). A RAP outlined two phases of soil over excavation and soil borings to characterize the lateral and vertical extent of contamination at the site (August 2020). A RAP Addendum proposing grab groundwater sampling in addition to the work proposed in the original RAP was submitted and approved (November 2020) in response to the Regional Water Board’s letter requiring groundwater investigation (October 2020). An additional 550-gallon UST was encountered and removed from the site (December 2020). The UST was noted to be in poor condition during removal, with several holes from corrosion. Strong petroleum odors were observed in the soils beneath the UST during removal. Soil samples collected during UST removal confirmed that a release of petroleum hydrocarbons from the UST. The site is currently a gravel parking lot and storage area.

39. Landowner Property 24 Santa Clara Street, Ventura

Substance: Gasoline, Diesel Source: Tank

The release was discovered during site construction when an approximately 375-gallon UST was uncovered. At the time of removal, petroleum odors and stained soil were noted in the tank pit beneath the UST (June 2020). The Ventura City Fire Department referred the case to the Los Angeles Regional Water Board (June 2020), which sent a request for additional information and work plan to the RP (July 2020). The work plan was submitted to the Regional Water Board (July 2020) and approved (August 2020). The additional site assessment along with a request for site closure was submitted to the Regional Water Board (September 2020), which issued a Public Notice of Case Closure (October 2020) and then closed the case (January 2021). This site is currently a mixed-use industrial building with offices on site.

Amador County Environmental Health Department (1 case)

40. Pine Grove Station Case #2

20080 Highway 88, Pine Grove

Substance: Gasoline

Source: Tank

The release was discovered during excavation and removal of three (3) single-walled gasoline USTs with capacities of 1,500, 2,000, and 6,000 gallons (June 2020). Upon removal, strong petroleum odor and soil staining at the base of the UST cavity were noted. Amador County opened a LUST case for the same USTs in 1998, when soil contamination was discovered during tank lining activities. This first case was closed in 2000 after additional soil sampling. The Central Valley Regional Water Board opened a second LUST case in 2003 after soil contamination was discovered adjacent to dispensers. This second case was closed in 2018 after groundwater and soil vapor sampling met Low Threat UST Case Closure criteria. The Regional Water Board sent a Request for Limited Site Investigation Work Plan to the RP (August 2020), explaining that contamination discovered during the recent UST removals may be associated with a post-1998 release that would not have been reflected in groundwater data collected to evaluate the dispenser release. A tire business continues to operate on the same parcel as the former retail fueling station.

El Dorado County Environmental Management (1 case)

41. Beach Bear Café

3300 Lake Tahoe Boulevard, South Lake Tahoe

Substance: Gasoline

Source: Tank

The release was discovered during Phase II ESA when soil vapor samples from a former UST tank pit revealed high heptane concentrations (December 2019). Additional soil and soil gas samples were collected (January 2020); results showed TPH and related VOC concentrations in soil and groundwater below screening levels for commercial property. A former gas station was in operation at the site from 1962 to 1969. The Public Notice for Case Closure was issued (March 2020) and the Lahontan Regional Water Board then closed the case (May 2020). The site is currently occupied by two commercial buildings and an adjacent parking lot.

Humboldt County of Division of Environmental Health (1 case)

42. Dass Property

129 4th Street, Eureka

Substance: Gasoline, Diesel

Source: Tank

The release was discovered during a Phase II ESA when soil and groundwater sampling identified petroleum impacts at the site (March 2020). The site investigation did not identify any USTs, backfilled excavations, or other anomalies. The site is former gas station and auto repair facility, however, that was in operation from 1941 to 1954. The North Coast Regional

Water Board sent the RP a letter requesting additional site investigation and corrective action (May 2020). A Work Plan for Additional Site Investigation proposing additional soil and groundwater sampling was submitted to the Regional Water Board (June 2020) and approved (October 2020). The results of the site investigation were submitted (December 2020) with a proposal for additional soil borings at the site to fully delineate the plume. The Regional Water Board sent a comment letter asking for revisions to that proposal (December 2020). The revised work plan was submitted and approved (January 2021). The site is currently a motel and parking lot.

Pasadena City Fire Department (1 case)

43. American Royal Petroleum

675 Lake Ave, Pasadena

Substance: Diesel, Gasoline

Source: Other

The release was discovered when three (3) single-walled USTs, one 12,000-gallon gasoline and two 10,000-gallon gasoline USTs, were removed from a retail gas station (October 2020). Petroleum hydrocarbons were detected in sample P-1. Evaluation of the BTEX profile suggests that the detected hydrocarbons are from an older weathered gasoline in which benzene concentrations have degraded. The tank removal report theorizes that it is residual hydrocarbons from a previous release that was closed in February 2003. The Los Angeles Regional Water Board sent a request for the submittal of a work plan (February 2021), which was submitted and approved (March 2021). New double-walled USTs were installed (December 2020), and the facility remains an active retail gas station.

Sacramento County Environmental Management Department (1 case)

44. Howard and Son Truck Service

3905 Deeble Street, Sacramento

Substance: Gasoline, Diesel

Source: Tank, Piping

The release was discovered during a Phase II ESA at the site (May 2020). A metallic anomaly consistent with a UST was found, and soil and groundwater samples taken during the Phase II indicated a release of petroleum hydrocarbons had occurred at the site. During excavation of the identified UST (August 2020), product piping that led to a second previously unidentified UST was uncovered. Two 1,000-gallon USTs were removed from the site; UST 1 had previously contained diesel, and UST 2 had previously contained gasoline. Stained soil and strong petroleum odors were observed during excavation of UST 2. 105 tons of soil was over-excavated from the site. A Site Conceptual Model, Sensitive Receptor Survey, and a work plan for additional site investigation was submitted to the Sacramento County Environmental Management Department (January 2021) and approved (February 2021). The work plan was implemented, and a request for closure was submitted to Sacramento County (April 2021). Th site is currently vacant but was previously occupied by an auto body repair shop.

San Bernardino County Fire Department (1 case)

45. City of Redlands 31 and 205 West Stuart Ave Property

31 W. Stuart Avenue, Redlands

Substance: Diesel, Oil

Source: Tank

The release was discovered during a Phase II ESA (March 2020) which uncovered an approximately 10,000-gallon wooden UST dating back to the late 1800s/early 1900s. Soil samples taken from the area around the UST indicate a release for diesel and oil range petroleum. A soil and soil vapor sampling work plan was submitted to the Santa Ana Regional Water Board (August 2020) and approved with addendums (October 2020). The Soil and Soil Vapor Sampling Report was submitted to the Regional Water Board (December 2020), which issued a Public Notice of Case Closure (April 2021). The site is currently a vacant lot and vacant commercial building. The proposed development of the site is for commercial retail buildings and a multi-level parking structure.

San Diego County Department of Environmental Health (1 case)

46. Union Pipe Trades Local 230

6225 Federal Boulevard, San Diego

Substance: Gasoline

Source: Tank

The release was discovered during a Phase II ESA (January-June 2020) when soil vapor, soil and groundwater sampling indicated a release of petroleum consistent with gasoline range hydrocarbons had occurred at the site. The site contains a vacant garage/office building and an adjacent paved parking lot. One 12,000-gallon UST was reportedly removed from the site in 1984. The San Diego Regional Water Board concurred with the September 2020 Phase II ESA report's recommendation to conduct sub-slab soil vapor assessment beneath the existing building, requesting a work plan (October 2020). The site assessment report was submitted along with a request for case closure (April 2021).

San Luis Obispo County Environmental Health (1 case)

47. Appy's Liquor

2816 Spring Street, Paso Robles

Substance: Gasoline

Source: Piping

The release was discovered during a soil and groundwater investigation at the site (September and October 2020) after a product line failed a pressure test (August 2020). During removal of the corroded product line, contamination was observed in soils removed from where the line connects to the western-most dispenser. Petroleum constituents consistent with a release of gasoline range hydrocarbons were detected in soil and groundwater (October 2020). One (1) 5,000-gallon and two (2) 10,000-gallon gasoline USTs were removed from the site (February 2021). Soil samples collected from beneath the USTs during removal did not show contamination for petroleum constituents. The Central Coast

Regional Water Board sent a Notice of Responsibility confirming that one additional round of groundwater monitoring would be conducted at the site before being considered for closure under LTCP (April 2021). The site is currently a convenience store and active fueling facility.

Shasta County Environmental Health Division (1 case)

48. Market & Pine Street Alley

No # Market & Pine Alley, Redding

Substance: Gasoline, Diesel

Source: Tank

The release was discovered when a 1,200-gallon UST was found during the installation of new underground utilities (September 2020). The UST was found in the middle of an alley, and it is not clear which address it is associated with. Soil samples taken prior to UST closure showed elevated petroleum hydrocarbon constituents as TPHd, TPHmo, and TPHg (December 2020). The Central Valley Regional Water Board requested that the RP submit a site assessment work plan (January 2021). The USTs were then closed in place due to the proximity of utility lines (February 2021), and a letter from the Shasta County Department of Resource Management confirms that the tank was filled with cement slurry.

Union City Environmental Programs (1 case)

49. Former Brune’s Shell Service

31063 Watkins Street, Union City

Substance: Gasoline, Diesel

Source: Tank

The release was discovered when the Alameda County Water District (ACWD) reviewed a Phase II ESA (November 2019) that indicated a petroleum release had occurred at the site based on soil vapor and groundwater samples. ACWD sent a case initiation letter requesting quarterly monitoring and a work plan to delineate the extent of the contamination (May 2020). The site was occupied by a retail fueling station from approximately 1927 to 1985. Two (2) 5,000-gallon USTs were removed from the site in 1985, but records of UST condition upon removal are not available. ACWD sent a historical information request to Shell Oil (September 2020). Shell Oil responded (October 2020) with documentation that they previously owned USTs at the site, which they sold in 1977. ACWD granted three (3) extensions to the deadline to submit the required work plan (September 2020, November 2020, and January 2021). ACWD named Shell Oil a responsible party (February 2021) and sent a work plan directive letter to both RPs (March 2021). The site currently contains multi-family homes, an office building, and a vacant lot.

Ventura County Environmental Health (1 case)

50. 7-Eleven Store #38012

117 Ventura Street, Fillmore

Substance: Diesel

Source: Unknown

The release was discovered during the removal and replacement of four (4) double-walled 10,000-gallon USTs, dispensers, and associated piping originally installed in 1989 (February 2020). Soil samples collected from the site during removal indicated soils were impacted by diesel fuel. The UST System Removal and Replacement Report (March 2020) hypothesized soil was impacted by residual contamination from one of the three (3) previous LUST cases at the site. A Work Plan for Site Assessment was submitted to the Los Angeles Regional Water Board (May 2020) and approved with conditions (June 2020). A Site Assessment Report (October 2020) documented the installation of three (3) groundwater monitoring wells. Free product with a thickness of 0.01 feet was noted in one of the wells. The site is currently a convenience store and active fueling facility.

Vernon Health & Environmental Control Department (1 case)

51. CCU Graphics, Inc

3846 Santa Fe Ave, Vernon

Substance: Gasoline, Diesel, PCE

Source: Unknown

The release was discovered during a Phase II ESA (January 2019) when soil and soil vapor samples taken at the site showed elevated concentrations of petroleum constituents, PCE, and TCE. A 1,000-gallon gasoline UST was previously removed in 1986. Additionally, PCE was used in the manufacturing process at the facility for roughly 20 years until they stopped using the solvent in 1992. The City of Vernon received a work plan for additional soil vapor sampling (April 2020) and referred the case to the Los Angeles Regional Water Board (July 2020). The site is currently occupied, and has been since the early 1970s, by a flexographic plate manufacturer. The work plan noted that the property owners were not likely to implement the soil vapor sampling unless they were accepted into a state funding program such as the Site Cleanup Subaccount (SCAP).

Acronyms / Abbreviations

bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CAP	Corrective Action Plan
DRO	Diesel Range Organics
ESA	Environmental Site Assessment
GRO	Gasoline Range Organics
LTCP	Low Threat Closure Policy
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
MTBE	Methyl tert-butyl ether
ORO	Oil Range Organics
PAHs	Polycyclic aromatic hydrocarbons
PCE	Tetrachloroethylene
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

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

Appendix B: California UST Leak Prevention: January - June 2020 Annual Report

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