



CALIFORNIA UNDERGROUND STORAGE TANK
LEAK PREVENTION

JANUARY – DECEMBER 2019 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 of 2019. Data sources were collected on April 1, 2020, acknowledging that it can sometimes take up to 90 days for data display in CERS or GeoTracker.

This report was prepared as part of Cooperative Agreement L99T85901 between the U.S. Environmental Protection Agency (US EPA) Region 9 and the State Water Board.

Statewide UST Numbers *

Number of USTs	37,077
Number of UST Facilities	13,746
Storage Capacity (gal)	406,410,039

* Statewide number of USTs and storage capacity are underreported here (458 UST facilities in CERS lack tank-specific information)

CERS Implementation (pg. 2)

Complete and accurate UST 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 (pg. 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 the 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 (pg. 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.

Single-Walled USTs (pg. 6-8)

California law requires the 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.

Use / Contents	USTs	Capacity (gal)
Motor Vehicle, Gasoline	24,124	286,359,987
Motor Vehicle, Diesel	8,196	83,078,122
Generator, Diesel	2,019	17,411,533
Waste Oil	975	994,761
Chemicals or Haz. Waste	329	1,785,206
Jet Fuel or Aviation Gas	256	5,866,265
Marina Fueling	134	1,158,697
Other	1,044	9,755,468

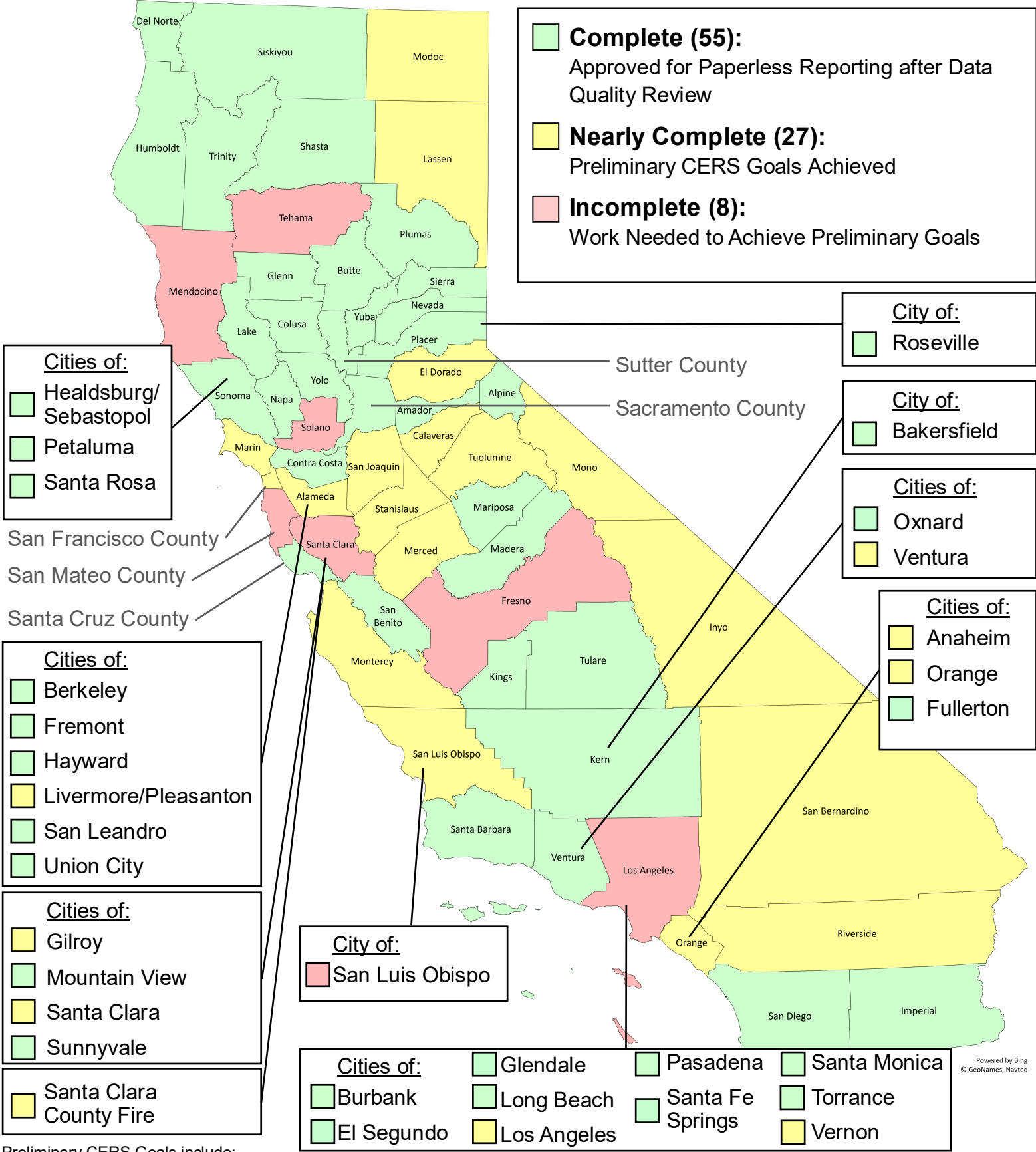
% UST Facilities in CERS	99.93%
% UST Facilities with an Inspection Record	99.82%
UPAs Approved for Paperless Reporting	55/90

Routine Inspections (Jan - Dec 2019)	13,277
Priority Violations	23,486
% Inspected UST Facilities with Priority Violations	66.4%
% UST Facilities with Priority Violations (All RTC)	62.1%

Releases Reported (Total)	57
Releases Reported (Operating UST Facilities)	19
New Releases (i.e., Newly Occurring)	2

Number of SW USTs (tanks or piping)	2,803
Facilities with SW USTs (tanks or piping)	1,130
% of Statewide UST Systems (SW)	7.5%
% of Statewide UST Facilities (SW)	8.2%
SW UST Facilities with unresolved priority violation(s) cited in past 18 months	303

CERS Implementation by Unified Program Agency



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 a reported inspection in CERS;
(3)> 95% of UST facilities, or all but 1, have basic tank information in CERS

* CERS data queried April 1, 2020

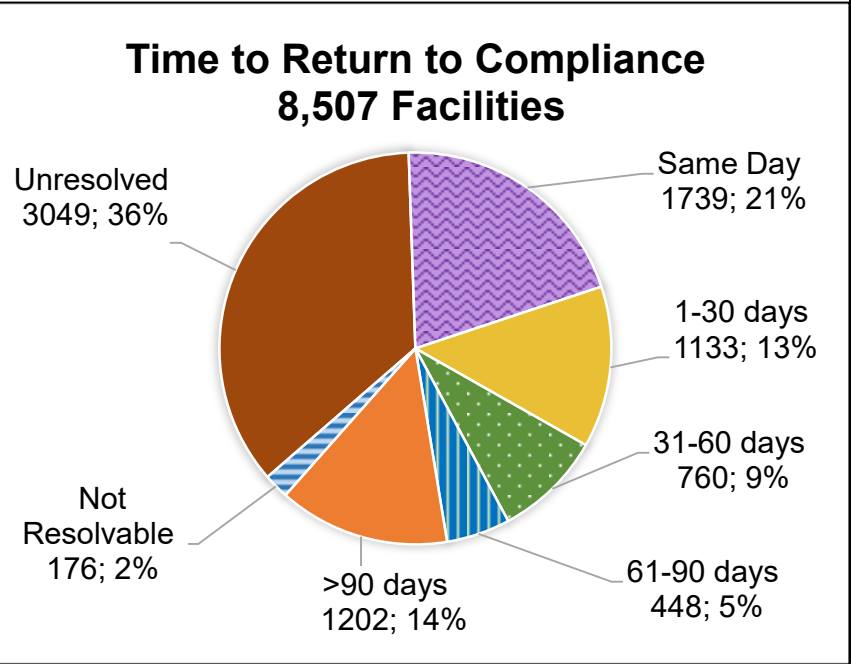
UST Violations and Return to Compliance

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.

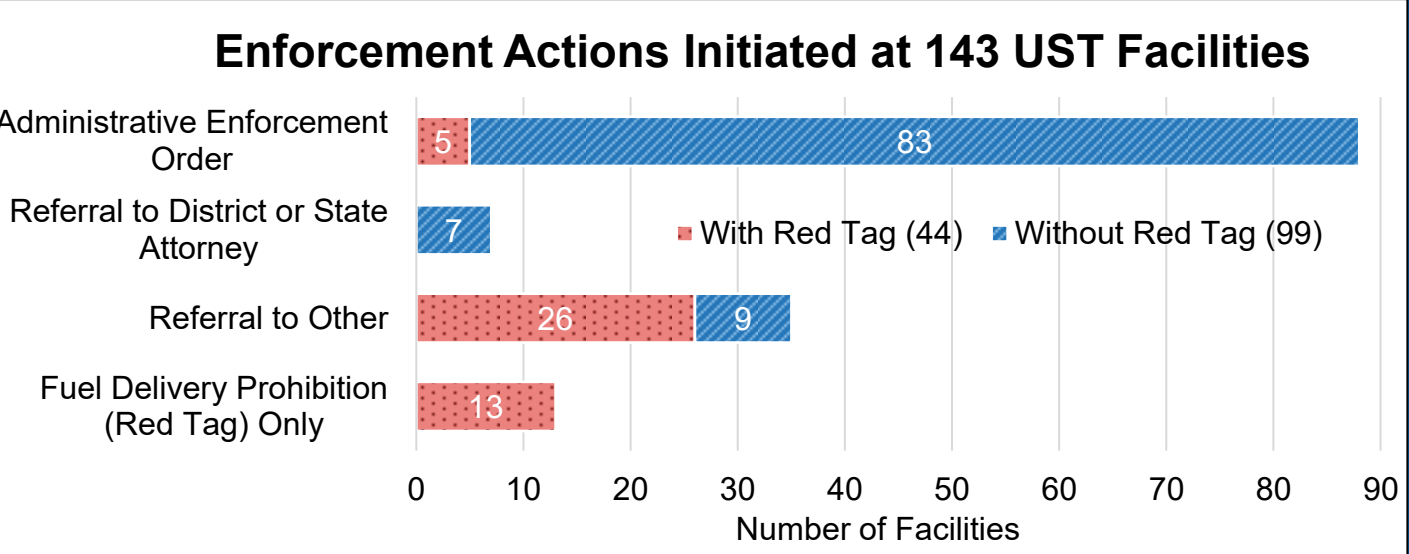
Between January and December 2019, UPAs cited one or more priority violations at 66.4% (8,507 of 12,817) of all UST facilities inspected. By April 1, 2020, 62.1% of these facilities (5,282 of 8,507) had returned to compliance.

Number of Facilities with a Routine Inspection	12,817
Number of Additional Routine Inspections reported in 12 month period	460
Number of Facilities with Priority Violations	8,507
Average Time to RTC*	78 days

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



Most Cited Violations between January-December 2019				
Violation Name	CERS Violation Type Number	Total # Citations	# UPAs Citing Violation	% RTC by April 2020
Overfill Prevention (not meeting regulatory requirements)	2030036	6723	81	53%
Designated Operator Monthly Inspections (failure to conduct monthly inspection)	2030013	2798	70	53%
Spill Container (not meeting maintenance/testing requirements)	2060020	2342	81	66%
Monitoring Equipment (improper installation, calibration, operation or maintenance)	2030043	1227	75	71%
Secondary Containment (failure to maintain)	2030047	1182	67	41%



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

UPA	% 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 Violation RTC by October 2019	Formal Enforcements Initiated
Monterey County Health Department	98%	216	84	52	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
San Benito County Health Department	100%	23	13	8	0 (0%)	0 (0%)	0 (0%)	0 (0%)	3 (38%)	0
Santa Clara County Fire Department	73%	49	1	1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (100%)	1
Santa Monica Fire Department	100%	38	74	38	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Yuba County Environmental Health Department	95%	38	40	22	0 (0%)	0 (0%)	1 (5%)	1 (5%)	2 (9%)	0
Tuolumne County Environmental Health	65%	22	25	15	0 (0%)	1 (7%)	1 (7%)	1 (7%)	1 (7%)	0
Inyo County Dept of Environmental Health Services	89%	27	41	18	0 (0%)	2 (11%)	2 (11%)	2 (11%)	4 (22%)	0
Santa Clara City Fire Department	98%	68	84	48	1 (2%)	4 (8%)	5 (10%)	6 (13%)	17 (35%)	0
Modoc County Environmental Health	100%	7	31	7	0 (0%)	1 (14%)	1 (14%)	1 (14%)	1 (14%)	0
Union City Environmental Programs	95%	21	24	13	0 (0%)	0 (0%)	1 (8%)	2 (15%)	2 (15%)	0
Mariposa County Public Health Department	97%	40	35	19	2 (11%)	2 (11%)	2 (11%)	3 (16%)	8 (42%)	0
Santa Clara County Environmental Health	100%	398	888	311	18 (6%)	40 (13%)	54 (17%)	55 (18%)	55 (18%)	1
Solano County Environmental Health	80%	155	376	75	5 (7%)	9 (12%)	12 (16%)	14 (19%)	20 (27%)	4
Mono County Health Department	100%	21	92	21	4 (19%)	4 (19%)	4 (19%)	4 (19%)	6 (29%)	0
Glenn County Air Pollution Control District	94%	17	48	15	2 (13%)	2 (13%)	3 (20%)	3 (20%)	4 (27%)	0
Petaluma City Fire Department	78%	15	7	5	1 (20%)	1 (20%)	1 (20%)	1 (20%)	1 (20%)	0
Sierra County Human Services Department	100%	5	17	5	0 (0%)	1 (20%)	1 (20%)	1 (20%)	1 (20%)	4
Los Angeles County Department of Public Works	95%	1564	5783	1081	25 (2%)	134 (12%)	192 (18%)	232 (21%)	324 (30%)	20
Glendale City Fire Department	95%	58	54	32	2 (6%)	5 (16%)	7 (22%)	7 (22%)	8 (25%)	0
Kern County Environmental Health Services Dept	93%	273	294	150	8 (5%)	23 (15%)	31 (21%)	37 (25%)	52 (35%)	0
Siskiyou County Community Development	78%	25	64	22	5 (23%)	6 (27%)	6 (27%)	6 (27%)	7 (32%)	0
Tehama County Environmental Health	95%	41	66	28	5 (18%)	7 (25%)	7 (25%)	8 (29%)	11 (39%)	0
Butte County Environmental Health	83%	84	137	62	11 (18%)	16 (26%)	16 (26%)	18 (29%)	23 (37%)	0
San Leandro City	100%	50	37	28	4 (14%)	7 (25%)	7 (25%)	9 (32%)	13 (46%)	0
Madera County Environmental Health	100%	74	243	65	5 (8%)	19 (29%)	19 (29%)	21 (32%)	24 (37%)	0
Santa Cruz County Environmental Health	91%	106	111	55	10 (18%)	13 (24%)	17 (31%)	18 (33%)	26 (47%)	0
Burbank Fire Department	98%	65	8	6	1 (17%)	1 (17%)	1 (17%)	2 (33%)	3 (50%)	0
Colusa County Health and Human Services	100%	18	29	12	1 (8%)	4 (33%)	4 (33%)	4 (33%)	6 (50%)	0
Lassen County Environmental Health	100%	15	33	9	1 (11%)	2 (22%)	3 (33%)	3 (33%)	3 (33%)	0
San Joaquin County Environmental Health	99%	276	767	238	5 (2%)	55 (23%)	76 (32%)	83 (35%)	107 (45%)	6
Livermore-Pleasanton FD	100%	86	72	36	3 (8%)	7 (19%)	12 (33%)	13 (36%)	15 (42%)	0
Mountain View Fire Department	96%	25	28	16	0 (0%)	5 (31%)	6 (38%)	6 (38%)	7 (44%)	0
Los Angeles City Fire Department	99%	1295	2733	858	158 (18%)	219 (26%)	292 (34%)	325 (38%)	437 (51%)	14
Stanislaus County Environmental Resources	100%	214	447	142	14 (10%)	34 (24%)	46 (32%)	54 (38%)	79 (56%)	0
Hayward City Fire Department	91%	80	111	49	8 (16%)	12 (24%)	16 (33%)	19 (39%)	20 (41%)	0
Kings County Environmental Health	94%	81	135	51	6 (12%)	14 (27%)	19 (37%)	20 (39%)	24 (47%)	0
Tulare County Environmental Health	97%	263	417	190	21 (11%)	54 (28%)	66 (35%)	75 (39%)	98 (52%)	0
Roseville City Fire Department	98%	52	118	40	6 (15%)	11 (28%)	14 (35%)	16 (40%)	23 (58%)	1
Pasadena Fire Department	100%	58	65	40	10 (25%)	12 (30%)	15 (38%)	17 (43%)	24 (60%)	0
Berkeley City Toxics Management Division	97%	30	46	23	5 (22%)	9 (39%)	10 (43%)	10 (43%)	11 (48%)	0
Nevada County Environmental Health	97%	36	58	25	6 (24%)	8 (32%)	11 (44%)	11 (44%)	12 (48%)	4
Riverside County Dept of Environmental Health	99%	691	1090	430	70 (16%)	105 (24%)	160 (37%)	192 (45%)	340 (79%)	29
Shasta County Environmental Health	99%	118	202	96	21 (22%)	29 (30%)	36 (38%)	44 (46%)	74 (77%)	7
Alameda County Environmental Health	100%	244	580	202	50 (25%)	66 (33%)	84 (42%)	94 (47%)	117 (58%)	0
Contra Costa County Health Services Department	93%	379	630	274	44 (16%)	88 (32%)	111 (41%)	129 (47%)	187 (68%)	5
Statewide Totals	94%	13277	23486	8507	1739 (20%)	2872 (34%)	3632 (43%)	4080 (48%)	5282 (62%)	182

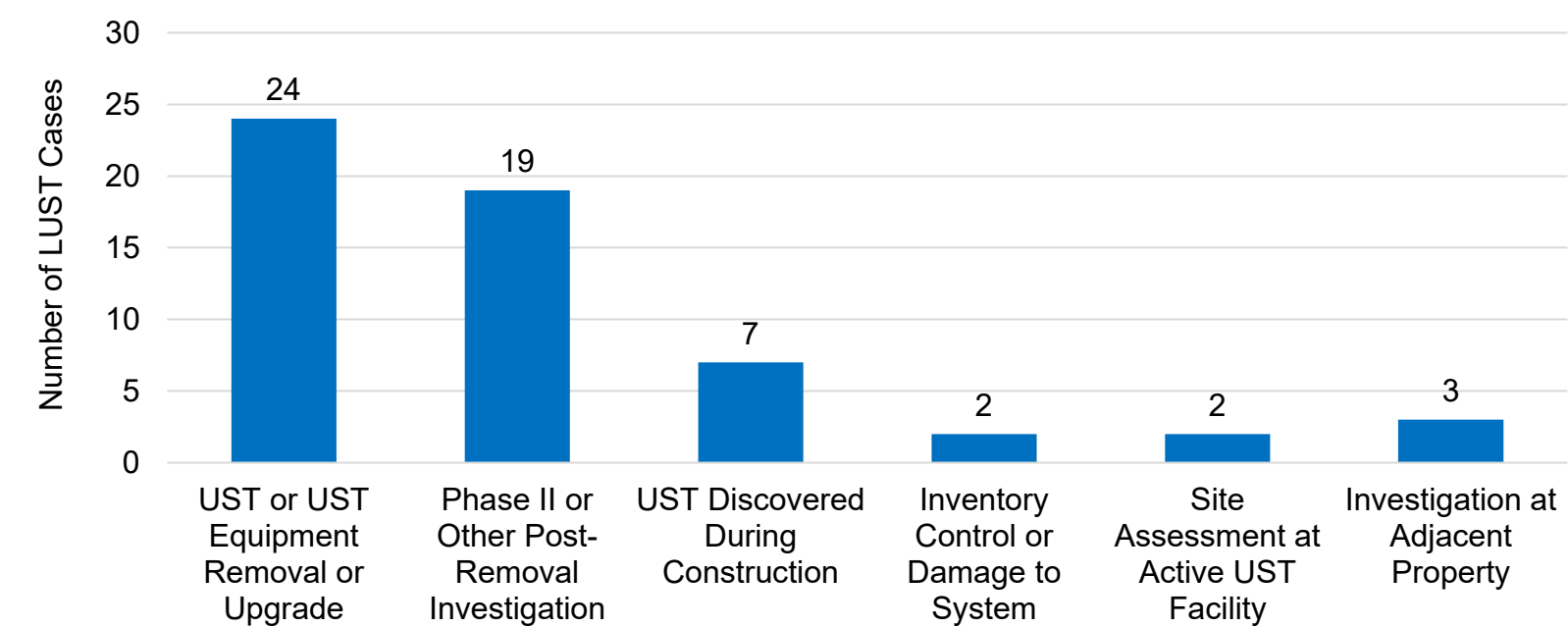
Return to Compliance by UPA, Sorted by % Facilities RTC 90 Days after Inspection (page 2 of 2)

UPA	% 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 Violation RTC by October 2019	Formal Enforcements Initiated
San Francisco City & County Public Health Dept	97%	233	346	170	39 (23%)	57 (34%)	78 (46%)	84 (49%)	97 (57%)	0
Plumas County Environmental Health	100%	21	70	18	3 (17%)	5 (28%)	6 (33%)	9 (50%)	10 (56%)	0
Sacramento County Environmental Management	95%	461	963	380	96 (25%)	154 (41%)	174 (46%)	193 (51%)	252 (66%)	12
San Bernardino County Fire Department	95%	810	728	435	110 (25%)	169 (39%)	199 (46%)	221 (51%)	305 (70%)	36
Gilroy City Fire Department	100%	27	31	18	4 (22%)	6 (33%)	10 (56%)	10 (56%)	12 (67%)	0
Merced County Environmental Health	76%	88	195	85	33 (39%)	40 (47%)	46 (54%)	48 (56%)	55 (65%)	0
El Dorado County Environmental Management	95%	76	129	51	8 (16%)	21 (41%)	26 (51%)	29 (57%)	37 (73%)	1
Calaveras County Environmental Health	94%	29	32	21	8 (38%)	9 (43%)	11 (52%)	12 (57%)	16 (76%)	0
Healdsburg/Sebastopol JPA	100%	14	17	7	1 (14%)	2 (29%)	4 (57%)	4 (57%)	6 (86%)	0
San Mateo County Environmental Health	92%	259	401	182	30 (16%)	57 (31%)	79 (43%)	105 (58%)	156 (86%)	0
Orange County Environmental Health	98%	710	690	377	116 (31%)	170 (45%)	196 (52%)	219 (58%)	267 (71%)	11
Amador County Environmental Health	59%	17	24	12	1 (8%)	5 (42%)	7 (58%)	7 (58%)	7 (58%)	0
Mendocino County Environmental Health	98%	65	105	39	20 (51%)	22 (56%)	24 (62%)	24 (62%)	28 (72%)	6
Lake County Environmental Health	97%	31	53	24	9 (38%)	13 (54%)	15 (63%)	15 (63%)	16 (67%)	0
Humboldt County Division of Environmental Health	97%	73	73	38	11 (29%)	17 (45%)	22 (58%)	24 (63%)	26 (68%)	0
Imperial CUPA - DTSC	94%	77	379	72	13 (18%)	28 (39%)	40 (56%)	47 (65%)	58 (81%)	3
Marin County Dept of Public Works	91%	85	54	27	6 (22%)	11 (41%)	13 (48%)	18 (67%)	19 (70%)	0
Trinity County - DTSC	67%	4	4	3	2 (67%)	2 (67%)	2 (67%)	2 (67%)	2 (67%)	0
Vernon Health & Environmental Control Dept	100%	26	3	3	0 (0%)	2 (67%)	2 (67%)	2 (67%)	2 (67%)	0
Bakersfield City Fire Department	95%	145	254	100	16 (16%)	28 (28%)	44 (44%)	67 (67%)	96 (96%)	0
Napa County Dept of Environmental Management	100%	44	55	31	9 (29%)	15 (48%)	16 (52%)	21 (68%)	28 (90%)	0
Ventura County Environmental Health	99%	163	200	107	36 (34%)	57 (53%)	70 (65%)	73 (68%)	78 (73%)	8
Ventura City Fire Department	100%	49	28	16	5 (31%)	7 (44%)	8 (50%)	11 (69%)	11 (69%)	0
Oxnard Fire Department	94%	46	36	26	10 (38%)	14 (54%)	17 (65%)	18 (69%)	19 (73%)	0
Fremont City Fire Department	97%	58	97	43	8 (19%)	12 (28%)	25 (58%)	30 (70%)	36 (84%)	0
Long Beach Environmental Heath	101%	148	157	75	22 (29%)	33 (44%)	46 (61%)	53 (71%)	62 (83%)	1
Santa Rosa City Fire Department	96%	53	53	31	6 (19%)	10 (32%)	18 (58%)	22 (71%)	27 (87%)	0
Sunnyvale Department of Public Safety	98%	40	48	31	11 (35%)	15 (48%)	19 (61%)	22 (71%)	28 (90%)	0
Anaheim City Fire Department	100%	117	63	44	15 (34%)	23 (52%)	28 (64%)	32 (73%)	35 (80%)	0
Sonoma County Fire & Emergency Services Dept	87%	71	52	33	9 (27%)	15 (45%)	18 (55%)	18 (55%)	24 (73%)	0
Santa Barbara County Environmental Health Serv	101%	145	114	77	26 (34%)	42 (55%)	53 (69%)	57 (74%)	69 (90%)	5
Fullerton City Fire Department	98%	44	53	32	15 (47%)	18 (56%)	21 (66%)	24 (75%)	26 (81%)	0
Placer County Environmental Health	99%	92	164	64	17 (27%)	28 (44%)	42 (66%)	48 (75%)	56 (88%)	0
Yolo County Environmental Health	97%	94	91	45	13 (29%)	24 (53%)	32 (71%)	34 (76%)	41 (91%)	0
Sutter County Environmental Health	95%	39	32	23	13 (57%)	16 (70%)	17 (74%)	18 (78%)	18 (78%)	0
Orange City Fire Department	100%	69	99	54	30 (56%)	36 (67%)	39 (72%)	43 (80%)	49 (91%)	0
San Luis Obispo County Environmental Health	104%	105	148	64	17 (27%)	29 (45%)	40 (63%)	51 (80%)	57 (89%)	0
Santa Fe Springs Fire-Rescue	103%	31	35	21	4 (19%)	12 (57%)	15 (71%)	17 (81%)	21 (100%)	0
San Diego County Dept of Environmental Health	99%	987	1118	658	309 (47%)	466 (71%)	523 (79%)	543 (83%)	591 (90%)	3
Torrance Fire Department	98%	53	17	14	5 (36%)	10 (71%)	13 (93%)	13 (93%)	13 (93%)	0
El Segundo City Fire Department	100%	22	27	16	2 (13%)	5 (31%)	14 (88%)	15 (94%)	15 (94%)	0
Del Norte Environmental Health Division	91%	11	10	7	1 (14%)	2 (29%)	7 (100%)	7 (100%)	7 (100%)	0
Alpine County Health Department	33%	1	0	0	N/A	N/A	N/A	N/A	N/A	0
Fresno County Department of Public Health	19%	83	0	0	N/A	N/A	N/A	N/A	N/A	0
San Luis Obispo City Fire Department	0%	0	0	0	N/A	N/A	N/A	N/A	N/A	0
Statewide Totals	94%	13277	23486	8507	1739 (20%)	2872 (34%)	3632 (43%)	4080 (48%)	5282 (62%)	182

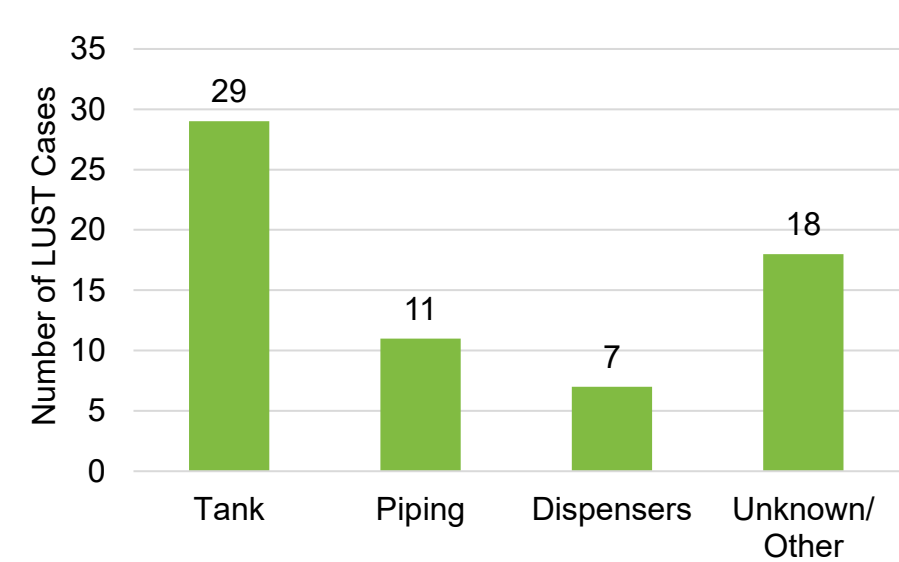
New Leaking Underground Storage Tank Cleanup Cases

GeoTracker leaking UST (LUST) data indicate that 57 new petroleum UST cleanup cases were opened, based on releases reported by UST owners, operators and regulators, between January and December 2019.

How Release was Discovered

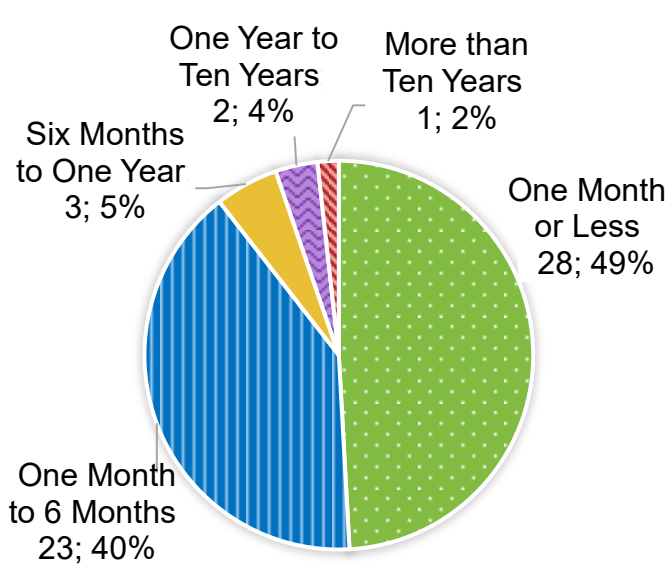


Source of Release

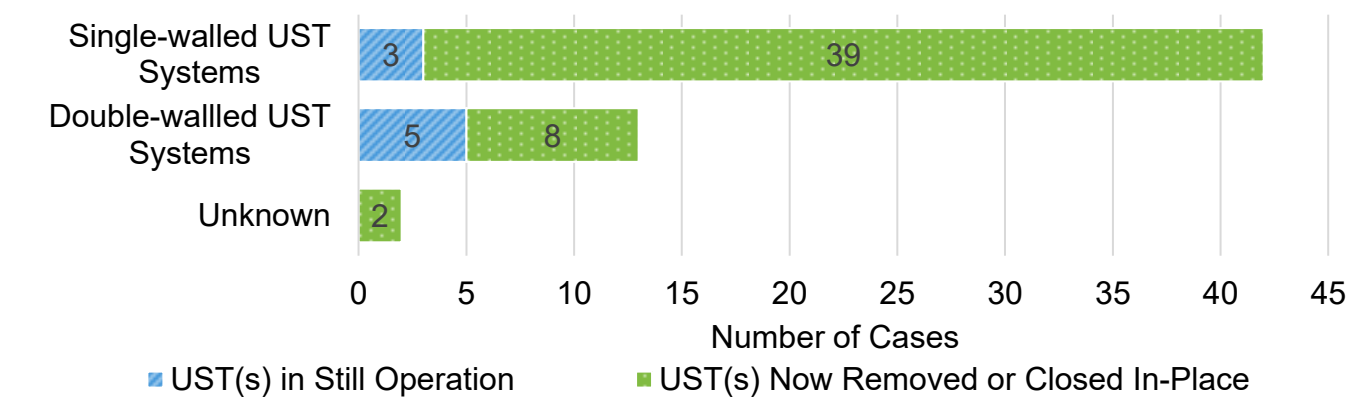


Note: In some cases, more than one component of the UST system is identified as the source. Therefore, the total number for this chart does not reflect the total number of cases.

Release Report to LUST Case (Time Elapsed)

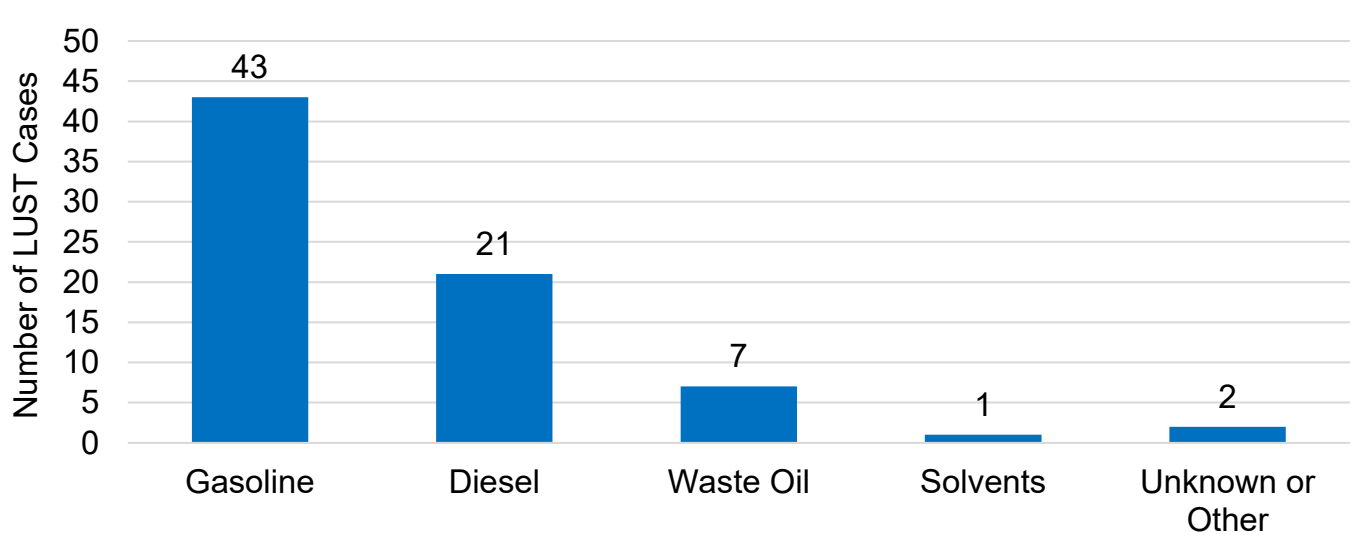


Construction Type & Status of UST Systems with a Release



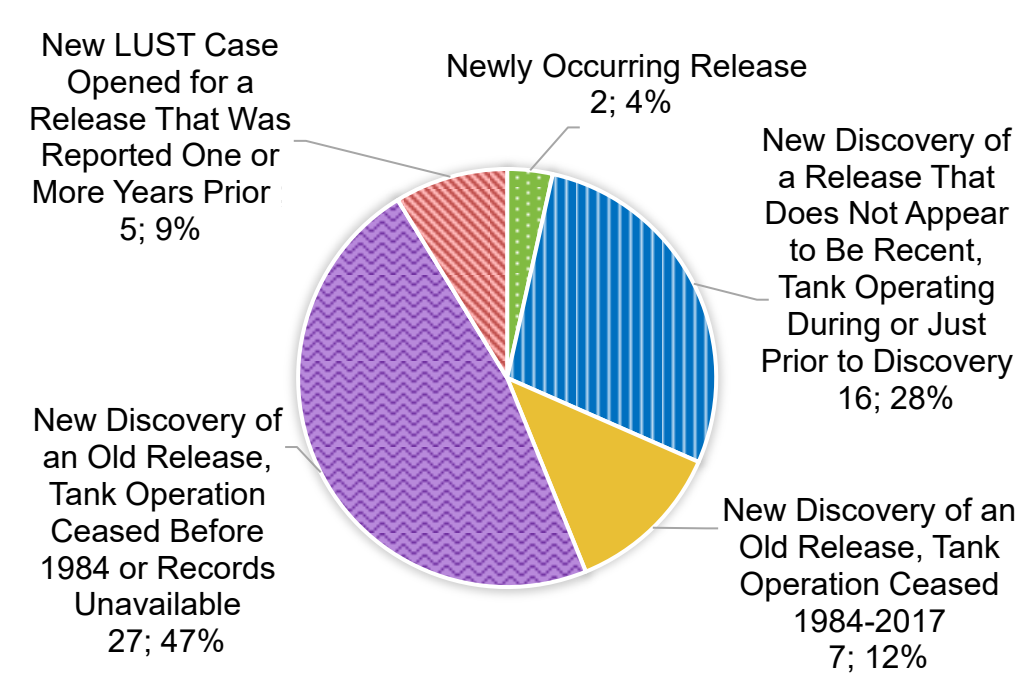
* Construction type and status are for the one or more UST systems involved in the release

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

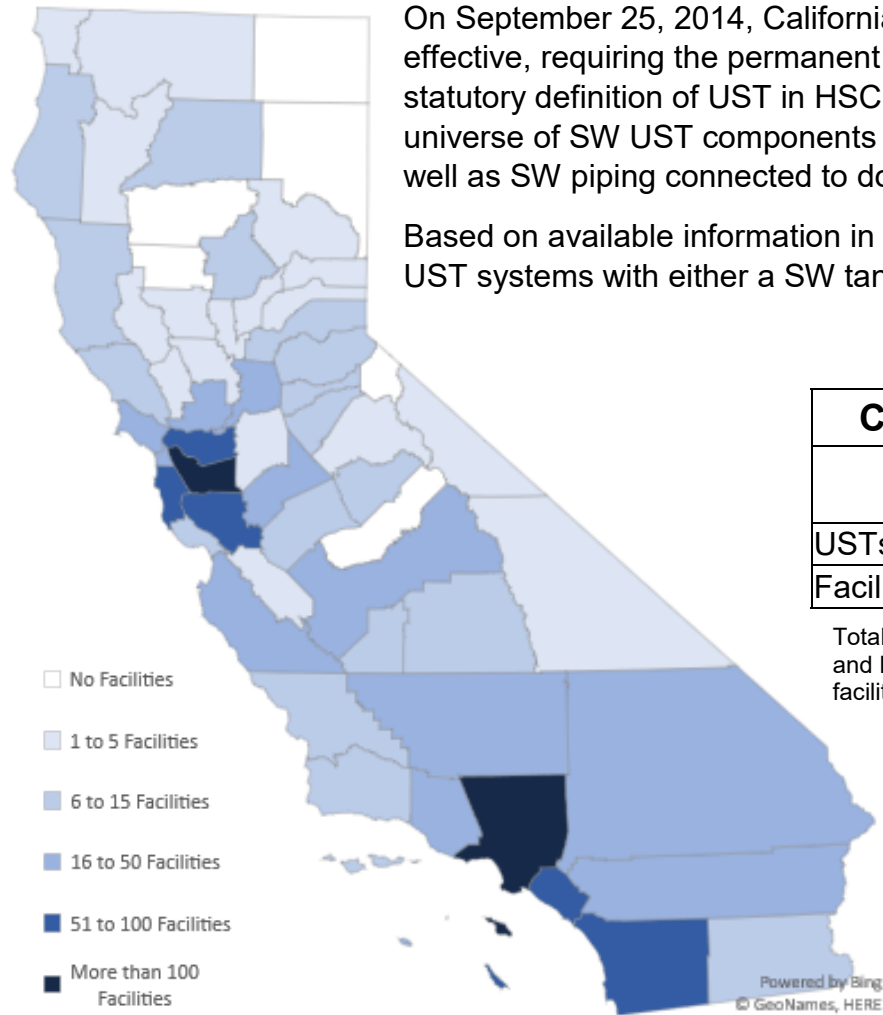
11%

DW UST Closures or Upgrades Resulting in Discovery of a Release (53/500 Facilities Since January 1, 2017)

28%

SW UST Closures or Upgrades Resulting in Discovery of a Release (68/241 Facilities Since January 1, 2017)

Single-Walled USTs



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, 2020, California has a total of 2,803 UST systems with either a SW tank or SW piping remaining at 1,130 facilities.

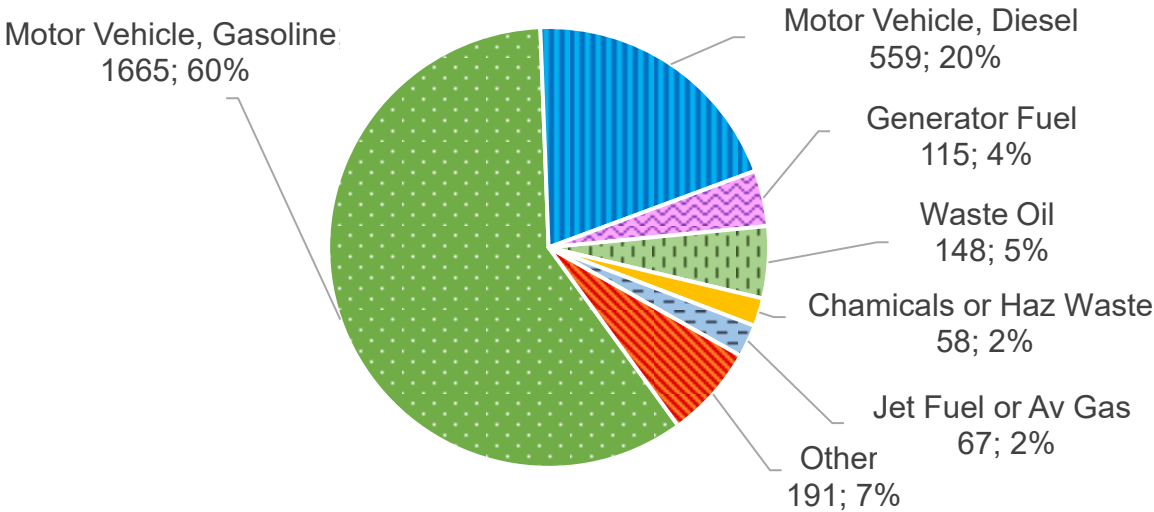
California Single-walled USTs			
	SW Tank	DW Tank SW Piping	Total
USTs	2,176	627	2,803
Facilities	786	366	1,130

Total Facilities (1,130) is less than the sum of SW Tank and DW Tank SW Piping (1,152) because some facilities have both types of UST system.

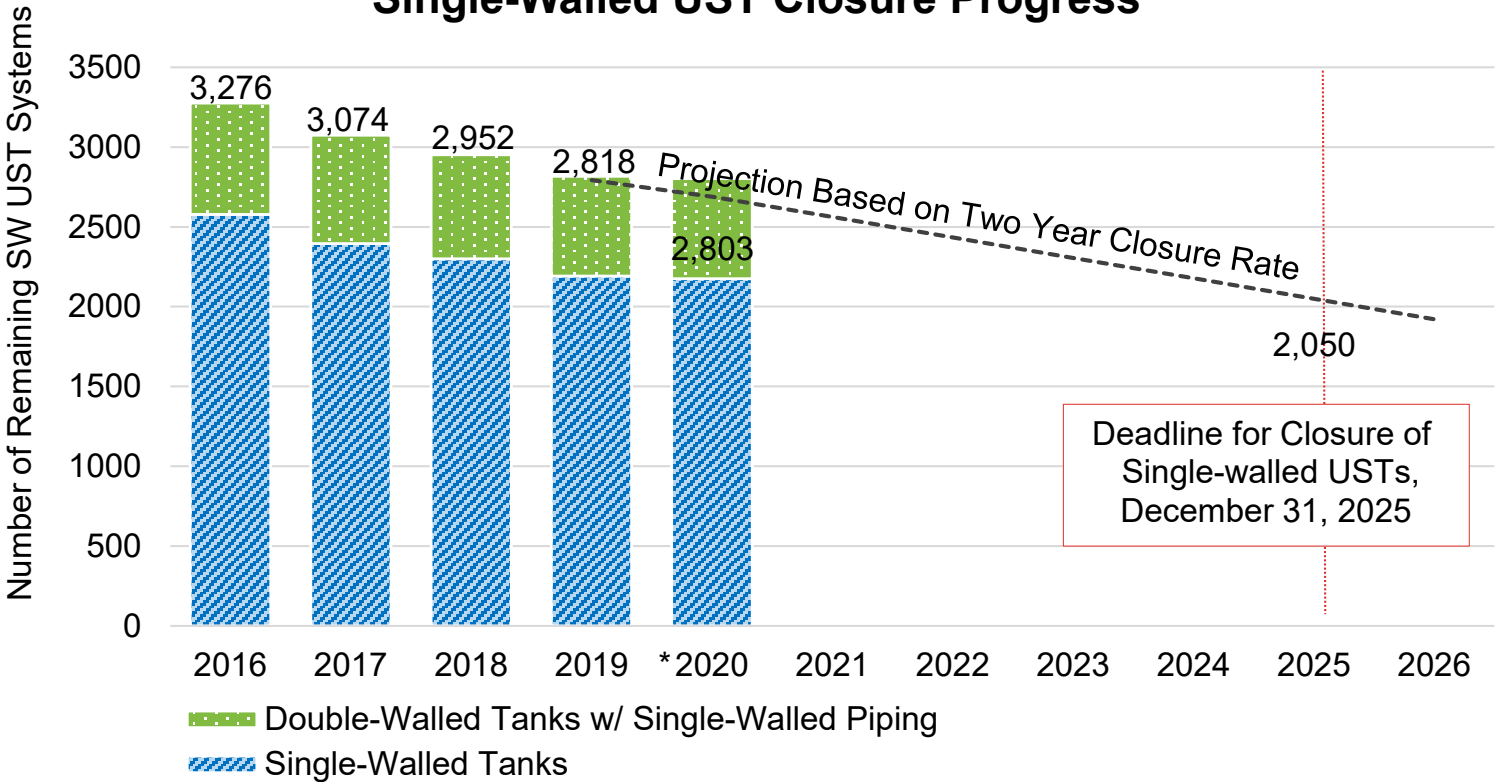
Single-walled UST Closures			
Year	SW Tanks	DW Tanks SW Piping	Total
2017	182	20	202
2018	96	26	122
2019	109	25	134
2020	15	0	15

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

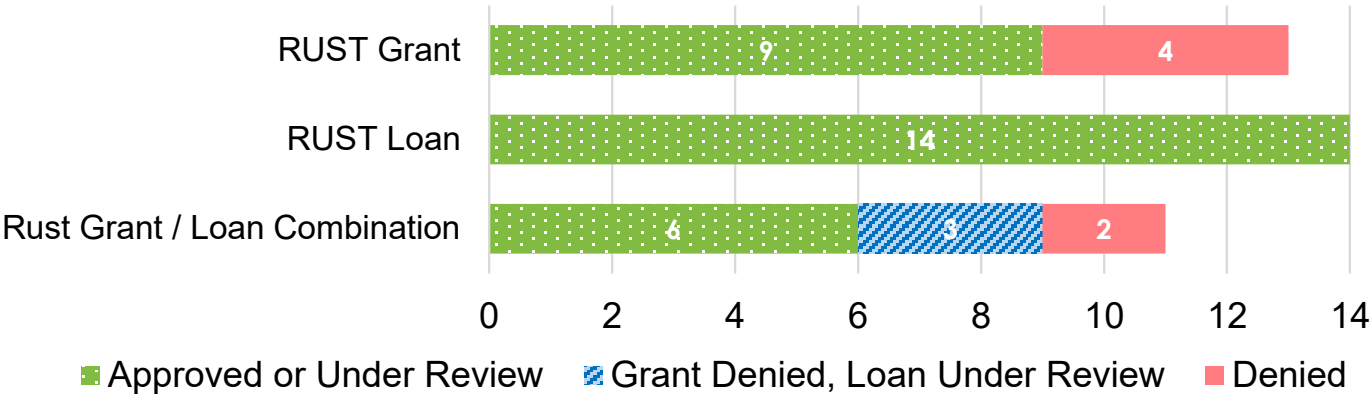
Single-Walled UST System Use/Contents



Single-Walled UST Closure Progress



RUST Applications for Single-Walled USTs in 2019



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.

31% of Single-walled UST Facilities have Unresolved Priority Violations
Facilities with unresolved violations are not eligible for RUST funding assistance.
(354/1130 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 w/ 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	108	27	236	156	80
Los Angeles County Department of Public Works	94	57	230	184	46
San Diego County Department of Environmental Health	78	7	213	159	54
Contra Costa County Health Services Department	60	13	139	113	26
Orange County Environmental Health	58	14	143	114	29
San Francisco City & County Public Health Department	52	0	118	96	22
San Mateo County Environmental Health	51	21	123	88	35
Alameda County Environmental Health	48	16	123	115	8
San Bernardino County Fire Department	48	20	97	84	13
Stanislaus County Environmental Resources	28	11	81	78	3
Santa Clara County Environmental Health	26	8	92	90	2
Kern County Environmental Health Services Department	26	0	84	66	18
Riverside County Department of Environmental Health	26	1	45	30	15
Sacramento County Environmental Management Department	25	10	63	46	17
Monterey County Health Department	22	4	61	52	9
Solano County Environmental Health	22	8	47	19	28
Fresno County Department of Public Health	16	16	45	40	5
Bakersfield City Fire Department	14	3	44	22	22
Ventura County Environmental Health	14	1	34	29	5
Shasta County Environmental Health	14	3	30	21	9
Marin County Dept of Public Works, Waste Mgmt, CUP	13	4	41	31	10
Merced County Environmental Health	13	2	31	21	10
Amador County Environmental Health	11	0	35	27	8
Santa Clara County Fire Department	11	0	26	23	3
Kings County Environmental Health	10	2	29	29	0
Calaveras County Environmental Health	9	1	26	26	0
Tulare County Environmental Health	9	2	23	17	6
Placer County Environmental Health	9	3	21	15	6
Imperial CUPA - DTSC	9	1	19	9	10
Butte County Environmental Health	9	4	17	13	4
Santa Cruz County Environmental Health	9	3	16	7	9
Hayward City Fire Department	8	2	20	18	2
Humboldt County Division of Environmental Health	8	0	15	11	4
Anaheim City Fire Department	7	2	22	14	8
Mendocino County Environmental Health	7	2	19	19	0
San Luis Obispo County Environmental Health	7	2	17	13	4
Ventura City Fire Department	7	1	13	11	2
Fremont City Fire Department	7	0	12	7	5
Mariposa County Public Health Department	6	2	17	15	2
Santa Barbara County Environmental Health Services	6	0	15	14	1
Orange City Fire Department	6	0	14	13	1
Sunnyvale Department of Public Safety	6	0	12	11	1
Burbank Fire Department	5	1	15	14	1
San Leandro City	5	0	15	15	0
El Dorado County Environmental Management	5	2	15	12	3
Total	1,130	303	2,803	2,176	627

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 w/ 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
Berkeley City Toxics Management Division	5	1	14	11	3
Tuolumne County Environmental Health	5	2	12	7	5
Livermore-Pleasanton FD	5	0	11	6	5
Torrance Fire Department	5	0	10	7	3
Glendale City Fire Department	5	1	10	9	1
Plumas County Environmental Health	5	2	9	7	2
Long Beach Environmental Heath	4	3	17	11	6
Sonoma County Fire & Emergency Services Department	4	2	14	14	0
Santa Clara City Fire Department	4	0	10	9	1
El Segundo City Fire Department	4	0	10	6	4
Colusa County Health and Human Services	4	2	4	0	4
Fullerton City Fire Department	3	0	9	0	9
Vernon Health & Environmental Control Department	3	0	8	7	1
Santa Rosa City Fire Department	3	0	8	8	0
Inyo County Department of Environmental Health Services	3	0	7	7	0
Pasadena Fire Department	3	1	7	5	2
Siskiyou County Community Development	3	2	7	6	1
Mono County Health Department	3	0	5	2	3
Napa County Department of Environmental Management	3	1	5	3	2
Yuba County Environmental Health Department	2	0	10	10	0
Roseville City Fire Department	2	2	7	7	0
Sutter County Environmental Health	2	2	6	6	0
Lake County Environmental Health	2	1	6	3	3
San Joaquin County Environmental Health	2	0	5	5	0
Yolo County Environmental Health	2	0	4	3	1
Gilroy City Fire Department	2	0	4	0	4
Nevada County Environmental Health	2	0	2	0	2
Sierra County Human Services Department	1	1	4	0	4
Petaluma City Fire Department	1	1	4	4	0
Santa Fe Springs Fire-Rescue	1	1	3	3	0
Santa Monica Fire Department	1	1	2	2	0
San Benito County Health Department	1	1	2	2	0
Mountain View Fire Department	1	0	2	0	2
Trinity County - DTSC	1	0	1	1	0
Union City Environmental Programs	1	0	1	0	1
Alpine County Health Department	0	0	0	0	0
Del Norte Environmental Health Division	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
Madera County Environmental Health	0	0	0	0	0
Modoc County Environmental Health	0	0	0	0	0
Oxnard Fire Department	0	0	0	0	0
San Luis Obispo City Fire Department	0	0	0	0	0
Tehama County Environmental Health	0	0	0	0	0
Total	1,130	303	2,803	2,176	627

Appendix A:

Confirmed UST Releases, January – December 2019

Throughout California, 57 releases were confirmed and reported from federally regulated petroleum USTs between January and December 2019. 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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New Discoveries (Old Release) – 50 Cases	A-2
New LUST Case (Old Release, Old Discovery) – 5 cases	A-17

Newly Occurring Release – 2 cases

Sacramento County Environmental Management Department (1 case)

1. Forty-Niner Truck Plaza (Case #2)	2828 El Centro Rd, Sacramento
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Substance: Diesel

Source: Dispenser, Piping

The release was reported (February 2019) after a satellite dispenser was hit by a truck. The pressurized diesel underground primary and secondary piping were damaged when the dispenser was dislodged from its base, causing a release of diesel fuel into the backfill and surrounding soil. Correspondence in GeoTracker indicates the pump's automatic shutoff valve was engaged so the release was limited. Soil samples collected beneath the damaged primary and secondary pipes confirm the presence of petroleum constituents. The piping was repaired, and the dispenser was returned to service shortly after the release. During bio-diesel conversion activities, free product was observed within the same piping run, approximately 100 feet from where the damage was reported (July 2019). A Closure Request was submitted (October 2019) which indicates the free product encountered in July 2019 was likely due to historical releases rather than the February 2019 dispenser and piping damage. A No Further Action letter was issued by Sacramento County Environmental Management Department on April 16, 2020 and the case was closed. The site remains an active fueling facility.

Sierra County Human Services Department (1 case)

2. Downieville Motors	114 Main Street, Downieville
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Substance: Gasoline

Source: Tank

The release was reported (October 2019) after inventory control measures indicated that approximately 52 gallons of gasoline was unaccounted for in September 2019. Correspondence in GeoTracker indicates the tank was red tagged in January 2018. According to the Unauthorized Release Report, the remainder of the gasoline in the tank was to be pumped down and the tank removed. A Work Plan for soil and groundwater sampling was

approved (March 2020) and will be implemented during the removal of the existing UST system. Correspondence in GeoTracker indicates that the USTs will be replaced with modern systems and the site will remain an active fueling facility.

New Discoveries (Old Release) – 50 cases

Los Angeles County Department of Public Works (10 cases)

3. City of Pomona Soto Park

1225 Park Ave N, Pomona

Substance: Diesel

Source: Tank

The release was reported when petroleum constituents were detected in soil samples collected when a UST was removed (February 2019) after it was encountered during construction. An Additional Site Investigation Report was submitted (March 2019) which documents advancement of four (4) soil borings and collection of soil samples between 5 and 35 feet below ground surface (bgs). Soil sample results preliminary indicate the release is limited to the upper 20 feet bgs immediately beneath the location of the former UST. Los Angeles County Department of Public Works (DPW) referred the case to the Los Angeles Regional Board (April 2019). The Regional Board issued a request for information, which was submitted January 9, 2020. On January 29, 2020 the Regional Board issued a request for the electronic submittal of laboratory results and reports; laboratory data was uploaded (May 2020).

4. Costco Gasoline #762

1051 West Ave L, Lancaster

Substance: Gasoline

Source: Piping

The release was discovered (March 2019) when soil samples were collected as part of fueling facility expansion activities which included piping upgrades and replacement of eight (8) dispensers. The March 2019 Compliance Sampling Report indicates a trace level of toluene was detected in one sample collected beneath the piping. Los Angeles County DPW referred the case to the Lahontan Regional Board (March 2019). The Regional Board issued a Notification of Consideration of No Further Action Required (April 2019). The 60-day public comment period ended June 25, 2019. A no further action letter was issued by the Regional Board on February 10, 2020 and the case is closed. The site remains an active fueling facility.

5. CVS (Former Rolling Hills Carwash)

25825 Narbonne Ave S, Lomita

Substance: Gasoline

Source: Unknown

The case was opened after the City of Lomita Drinking Water Well #5 reported elevated concentrations of benzene (May 2019). The Los Angeles Regional Board issued a Notice of Violation (November 2019) after a deadline for the submittal of a Site Investigation Work Plan (August 2019) was missed. USTs previously located at the site may have been upgradient of this well. During a previous release, a leak detection investigation was performed at this

site in 1992 and three (3) former USTs were removed in 1999. The Regional Board issued a case closure for the previous case in August 2000. The site was investigated for additional USTs in 2006, but no evidence of other USTs was found. The site is currently a commercial property.

6. Dolores S. Wolf Co Trust

14009 Crenshaw Blvd, Hawthorne

Substance: Gasoline

Source: Tank

The release was reported when a UST was removed (March 2019). The UST was discovered during a Phase II Environmental Site Assessment (ESA) (November 2018) following a Phase I that revealed a 1964 building permit for UST installation. The April 2019 UST Removal and Soil Sampling Report indicated the UST was noted to be in poor condition with numerous holes rusted through the tank wall. Los Angeles County DPW referred the case to the Los Angeles Regional Board (May 2019). A Site Assessment Work Plan was submitted (September 2019) and approved by the Regional Board (October 2019) with a report due date of January 2020. This report was submitted in December 2019 and in February 2020 the Regional Board issued a letter requiring a work plan to fully delineate hydrocarbon impacts at the site. The site is currently developed with two (2) commercial buildings.

7. Kamdat Investment, Inc.

658 Del Valle Ave, La Puente

Substance: Gasoline

Source: Tank

The release was detected when an approximately 5,700 gallon tank was removed from the property (October 2019). The concrete tank was installed vertically with the top end sticking up above the ground. The original purpose of the tank appears to be a cistern that was installed in 1934. After the tank was removed, soil samples collected from the tank pit indicated that a petroleum release occurred from the UST. The Los Angeles County DPW referred the case to the Los Angeles Regional Board (December 2019). The Regional Board sent a request for additional information with a due date of March 27, 2020.

8. LACMTA Div 4 Maintenance Facility

7878 Telegraph Rd, Downey

Substance: Waste Oil

Source: Tank

The release was reported after petroleum constituents were detected in soil samples collected from the bottom of the tank excavation (March 2019) during the removal of one (1) 2,000-gallon waste oil UST. The Los Angeles County DPW referred the case to the Los Angeles Regional Board (September 2019). The Regional Board requested a work plan for additional sampling to include analysis for chlorinated VOCs, PAHs, and Title 22 metals since these constituents were not analyzed during UST removal. A work plan was submitted to the Regional Board (December 2019), but there is no indication of further action in GeoTracker.

9. Newhall Mobil	25357 Chiquella, Newhall
Substance: Gasoline	Source: Dispenser, Piping
The release was discovered when a Phase II ESA was conducted (April 2019). Nine (9) soil borings were advanced to depths between 8.5 and 10 feet bgs and petroleum constituents were detected in soil samples collected near the eastern fuel dispensers. Los Angeles County DPW referred the case to the Los Angeles Regional Board (June 2019). A Work Plan for Limited Site Assessment proposing five (5) soil borings was submitted (August 2019). The Regional Board requested a revised boring location map (September 2019) and set a report due date of December 16, 2019. The results of this site assessment were submitted January 2020. The site remains an active fueling facility.	
10. Pacific Shell Service Station	25808 Narbonne Ave, Lomita
Substance: Gasoline, Diesel	Source: Unknown
This site is also a possible source of elevated benzene concentrations reported in Lomita well #5 (May 2019). Several different systems have operated at this site since 1961 and more than one leak has been detected. One (1) 280 gallon waste oil UST was excavated and removed (1988). Trenching for new distribution lines exposed a 2,000 gallon UST (1989). Benzene was detected in soil borings advanced at the site (1997). The Los Angeles Regional Board approved a work plan (December 2019). That site assessment report was submitted to the Regional Board (March 2020). Groundwater and soil sampling results indicate a release of gasoline and diesel at this site. Installation of groundwater monitoring and additional borings to fully delineate the extent of the release were proposed based on the results of the site assessment report. Site is still currently an operating fueling facility, USTs still present at site were installed in 2016.	
11. San Gabriel Valley Corp. Campus	4920 Rivergrade Rd, Irwindale
Substance: Diesel	Source: Piping
The release was discovered when soil samples were collected during piping removal (April 2019). Low levels of diesel were detected in the two (2) soil samples collected beneath the piping. The piping that was removed led to a polisher which was also removed. Neither the piping nor the polisher was replaced. Los Angeles County DPW referred the case to the Los Angeles Regional Board (May 2019). The site is currently an office complex and an active UST powers a backup generator.	
12. Webb's Chevron	5703 Gage Ave, Bell Gardens
Substance: Gasoline, Diesel	Source: Dispenser, Tank
The release was discovered during UST removal activities (February 2019). The UST Removal Report indicates concentrations of petroleum constituents were detected beneath the tanks and dispensers, with the highest concentrations reported in soil beneath the dispensers. Los	

Angeles County DPW referred the case to the Los Angeles Regional Board (March 2019). A work plan for soil assessment was submitted and approved June 2019. The Site Assessment Report and request for closure was submitted (November 2019), but no other actions have occurred since then. The site remains an active fueling facility.

13. Westcore Alameda II LLC

130 Oris St E, Compton

Substance: Petroleum Hydrocarbon Solvent

Source: Tank

The release was discovered when a UST was discovered during site development (November 2018) and removed (December 2018). The UST was noted to be in good condition. Based on soil sample results, remedial excavation was conducted (December 2018). Further site investigation was conducted (February 2019). Six (6) borings were advanced to between 40 and 45 feet bgs. Further excavation was conducted (February 2019). Lost Angeles County PDW referred the case to the Los Angeles Regional Board (May 2019). A Preclosure Notification was issued (August 2019). The case was closed (October 2019). The site is currently undergoing redevelopment for commercial use.

Alameda County Department of Environmental Health (6 cases)

14. City Ventures

2240 Filbert Street, Oakland

Substance: Gasoline, Diesel

Source: Tank

Two (2) USTs were encountered during site redevelopment and were abandoned in-place (August 2018). A third UST was encountered but was determined to have been previously abandoned. Diesel and gasoline constituents were detected in soil and groundwater samples collected in the vicinity of the USTs. A memorandum was submitted July 30, 2019 detailing the history of the site and suggesting no further action is appropriate. Alameda County Department of Environmental Health (DEH) disagreed with no further action and requested a Data Gap Investigation Work Plan in a September 2019 directive. The site is currently being redeveloped as residential townhomes.

15. DY Associates Property

1019 High Street, Oakland

Substance: Diesel

Source: Tank

The release was discovered during tank removal (July 2019). This case was added to GeoTracker on December 23, 2019 with no documents or case information uploaded.

16. Former Gas Station

2901 E 12th Street, Oakland

Substance: Gasoline, Diesel

Source: Unknown

The release was discovered when a Phase II ESA was conducted as part of property transaction (August 2002). A July 2002 geophysical survey revealed three (3) areas of disturbed soil, which may be indicative of locations of former USTs. A subsurface metallic

object was identified as a possible UST with the approximate dimensions of a 550-gallon UST, thought to possibly be a waste oil UST. Three (3) soil borings were advanced at the Site (August 2002) and diesel and gasoline were detected in soil samples. The release was reported to Alameda County DEH during a June 2019 meeting with the owner of the adjacent property who is interested in purchasing the site. A Notice of Responsibility requesting upload of site documents and submission of a Data Gap Investigation Work Plan was issued (August 2019). The site is currently a fenced vacant lot.

17. Sturtevant 1901 Webster St, LLC

1901 Webster St, Oakland

Substance: Gasoline

Source: Unknown

The release was discovered during a Phase II ESA (April 2019). The Phase II Subsurface Investigation Report indicated petroleum constituents were present in soil and groundwater beneath the site. Petroleum odors were also noted in three (3) borings. A former gasoline station was present at the site prior to 1984. The property owner, their consultant, and the San Francisco Bay Regional Board met to discuss the site history and next steps (July 2019) and agreed that further characterization was warranted. An Additional Investigation Work Plan proposing additional soil, soil gas, and groundwater sampling was submitted and conditionally approved (September 2019). The Additional Subsurface Investigation Report (December 2019) detected two (2) subsurface anomalies believed to be former USTs. A work plan to excavate the two suspected USTs was submitted (May 2020). The site is currently a parking lot and coffee shop.

18. Witkin and Jaffe Enterprises

6792 & 6756 Central Ave, Newark

Substance: Diesel

Source: Unknown

The release was discovered during an Environmental Site Assessment (April and May 2019) when soil and groundwater samples indicated releases of oil and diesel range organics from historical operations at several locations throughout the site. Alameda County Water District sent a letter for initiation of the case (August 2019) with a requirement for quarterly reports detailing efforts to investigate and remediate soil and groundwater contamination. Once cleanup is complete, Alameda County Water District will refer the case to the San Francisco Bay Regional Board for final review and case closure. A report for groundwater monitoring well installation and sampling was submitted (April 2020). The site is currently developed with five (5) industrial buildings.

Los Angeles City Fire Department (4 cases)

19. Blue Wave Car Wash

11602 Santa Monica Blvd, Los Angeles

Substance: Gasoline

Source: Unknown

The release was discovered during a Site Assessment when fifteen (15) borings for soil samples were completed. Several generations of petroleum USTs have been present at the

site since 1941. The results of the Phase I and Phase II assessments indicate that a minor release occurred from an early generation of gasoline USTs at the site. The City of Los Angeles Fire Department (LAFD) referred the case to the Los Angeles Regional Board (November 2019). A geophysical survey (January 2018) revealed that two (2) of the four (4) 10,000-gallon USTs installed at the site in 1978 remained. These were removed (April 2020). Future redevelopment plans call for the demolition of the existing structure, excavation of the property for a three (3) level subgrade parking garage and construction of a five (5) story apartment building.

20. Former Bethune Library

3665 Vermont Ave S, Los Angeles

Substance: Gasoline

Source: Unknown

The release was discovered when petroleum constituents were found during a Site Characterization (September through November 2018). The site had operated as a gasoline station in 1920s. LAFD referred the case to the Los Angeles Regional Board (April 2019). A Shallow Soil Investigation Report was submitted (September 2019), documenting soil sampling in the upper 25 feet bgs in the vicinity of the former UST. Results indicate remaining petroleum concentrations in soil are low and limited in vertical extent. A Preclosure Notification was issued (December 2019). The case was closed (February 2020). The site is currently a fenced vacant lot.

21. Franklin 76

6051 Franklin Ave, Los Angeles

Substance: Gasoline

Source: Tank

The release was discovered when two (2) 10,000 gallon USTs were removed (March 2019) after one of the USTs failed integrity testing. A crack in the tank, visibly stained soil, and odor evidence of hydrocarbons was observed at the south end of one of the USTs. The south end of this tank was over excavated after soil testing confirmed a release (March 2019). The LAFD referred the case to the Los Angeles Regional Board (July 2019). The UST system was replaced with two (2) 12,000-gallon double-walled USTs, double-walled piping and four fuel dispensers. The site remains an active fueling facility.

22. Station #17

1460 La Cienega Blvd S, Los Angeles

Substance: Gasoline

Source: Piping

The release was discovered when petroleum constituents were detected beneath product lines during under-dispenser containment (UDC) replacement activities (July 2018). LAFD referred the case to the Los Angeles Regional Board (April 2019). A Site Closure Request was submitted (July 2019) and indicates the concentrations of hydrocarbon constituents detected at the site appear to be remaining from a previous release. The previous release was reported in 1989 and the previous case was closed in 2013 after significant assessment and remediation was performed. The Regional Board initially denied closure and requested

additional work in a September letter, but a Preclosure Notification was issued October 30, 2019. The case was closed January 10, 2020. The site remains an active fueling facility.

San Diego County Department of Environmental Health (3 cases)

23. Memorial Preparatory for Scholars and Athletes

2850 Logan Ave, San Diego

Substance: Unknown

Source: Tank

The previously unknown UST was encountered during excavation activities associated with site construction. The release was discovered after petroleum constituents were detected during removal of a 150-gallon UST (March 2019). San Diego County Department of Environmental Health (DEH) Inspection Notes indicate the UST was rusted, in poor condition, split open, and filled with soil. Initial soil excavation removed approximately 70 cubic feet of soil to approximately 7.5 feet bgs. Additional over-excavation was conducted (April 2019), extending the existing excavation laterally, and removing an additional 128 cubic yards of soil. Petroleum constituents were not detected in confirmation soil samples. The UST was referred to as “fuel oil” in the July 2019 UST Closure Report, but San Diego County DEH staff indicated the contents are officially “unknown”. The case was closed (August 2019). The site is currently a San Diego Unified School District (USD) K-8 school.

24. Tahiti Investments

566 East Main St, El Cajon

Substance: Gasoline, Diesel, Xylene

Source: Tank

The release was discovered during removal of the two (2) USTs, one (1) 500 gallon UST and one (1) 1,000 gallon UST. The tanks were discovered during a phase 2 investigation in September and October 2019. Soil samples taken during tank removal indicate an unauthorized release of gasoline and diesel occurred from the USTs at the site. The site was a former dry cleaners and soil vapor data indicates the presence of chlorinated solvents and petroleum. San Diego County DEH transferred the case to the San Diego Regional Board (November 2019). The Regional Board sent a Notice of Responsibility with a deadline to submit a Site Investigation Work Plan by January 2020. The approved work plan includes site assessment with groundwater monitoring wells, soil sampling and vapor probes. This site is currently a strip mall and fenced parking lot.

25. Wilson Middle School

3838 Orange Ave, San Diego

Substance: Unknown

Source: Tank

The release was reported after one (1) 600-gallon UST was discovered November 2018 and removed (January 2019). San Diego County DEH notes indicate the UST has heavily corroded with holes in the bottom and ends of the UST; soil staining and odor were also noted. A January 2019 Work Plan Submittal indicates that, prior to discovery of the UST, 3,000 cubic yards of fuel-impacted soil was discovered and disposed offsite and that an additional 3,000 cubic yards of impacted soil remaining onsite would be disposed in the same manner. The

January 2019 Unauthorized Release Report submitted by the responsible party's consultant indicates the UST contained heating oil, but San Diego County Department of Environmental Health (DEH) staff indicated the contents are officially "unknown". The site is currently a San Diego USD middle school.

San Francisco City & County Public Health Department (3 cases)

26. One De Haro St/522 Berry St

1 De Haro St, San Francisco

Substance: Gasoline

Source: Tank

The release was discovered when one (1) 300-gallon gasoline UST was discovered during construction and removed (February 2019). The UST Closure Report indicates the tank contained sand mixed with residual oil. The UST was noted to be in poor condition with at least one visible hole but there was no evidence of contamination in the soil surrounding the UST and petroleum concentrations in soil samples collected beneath the UST were below action limits. The case was closed (May 2019). An office building is currently under construction at the site.

27. Polk Street

999 Polk Street, San Francisco

Substance: Gasoline

Source: Tank

Two (2) USTs were encountered beneath the sidewalk (January 2019). The May 2019 Closure Report for USTs indicates one UST was in poor condition with at least one visible hole and one UST was in good condition with no visible holes. Both USTs contained sand mixed with at least one visible hole and one UST was in good condition with no visible holes. Both USTs contained sand mixed with residual oil. The USTs were partially removed (January 2019); full removal of the USTs was not possible because they were partially located beneath a light pole. No soil discoloration or hydrocarbon odors were noted, and petroleum constituents were not detected in soil samples collected beneath the USTs. The case was closed (July 2019). The site is currently an automotive repair facility.

28. Sadwoa Street

33 Sadowa Street, San Francisco

Substance: Gasoline

Source: Tank

The release was reported when one (1) 500 gallon UST was removed (August 2019). There is no information in GeoTracker to indicate how the UST was discovered and the property owner was noted to have no prior knowledge of the tank. The tank was noted to be in poor condition with visible holes with visible contamination to soil directly beneath the tank. Approximately 3 tons of soil were over-excavated from directly beneath the UST. The site status is Eligible for Closure. The public comment period ended September 12, 2019. The site is a mixed-use residential commercial property.

El Dorado County Environmental Management (2 cases)

29. Heavenly Mountain Resort	3860 Saddle Road, South Lake Tahoe
Substance: Gasoline	Source: Dispenser, Piping
The release was discovered when a gasoline UST was removed from the site (September 2019). Groundwater was encountered at a depth of 3.5 feet, causing the UST to float once it was uncovered. A small (less than 1 pint) amount of gasoline spilled from the end of the piping into the excavation during sampling. The Lahontan Regional Board requested a Work Plan to define the extent of the groundwater contamination (November 2019) which was submitted (January 2020). The site is a 59 acre ski resort with a large maintenance building, a complex of lodges, and ski lift facilities.	

30. Meyers Beason	3208 Highway 50, Meyers
Substance: Gasoline, Diesel	Source: Dispenser, Piping
The release was discovered when residual petroleum was identified in shallow soil samples after removal of two double-walled USTs. The tanks were intact upon removal and the residual petroleum found in the shallow soil samples appears to be associated with leaks at piping connections or potential surface spills. The site is currently under consideration for closure, the 60 day public comment period expires June 16, 2020. The site will be redeveloped into a new gas station.	

Long Beach City Environmental Health (2 cases)

31. 2H Construction	2150 Orange Ave, Long Beach
Substance: Gasoline, Diesel	Source: Unknown
The release was detected during a Phase II site investigation (August 2019) when soil and groundwater sampling indicated that a release of diesel and gasoline above soil screening levels had occurred at the site. Historical information indicates the site previously contained two (2) USTs and multiple above ground storage tanks dating from 1948 to 1963. The contents of the tanks could not be clearly identified. The City of Long Beach referred the case to the Los Angeles Regional Board (September 2019). The Regional Board issued a request for additional information with a deadline of May 25, 2020. The site is currently developed with an indoor/outdoor soccer field and is proposed for redevelopment as residential area.	

32. Coastline Equipment	6242 Paramount Blvd, Long Beach
Substance: Diesel	Source: Piping, Dispensers
The release was discovered when 190 feet of product piping and five (5) dispensers were removed during redevelopment (January 2019). The associated tank(s) had been previously	

removed. The January 2019 Product Line Piping Report indicates the highest concentrations of petroleum constituents were detected beneath the dispensers. Approximately 43.5 tons of impacted soil were removed and disposed offsite. Additional subsurface investigation was conducted (August 2019). Six (6) borings were advanced and soil samples were collected between 5 and 20 feet bgs. Soil sample results indicate petroleum concentrations in soil appear to be limited laterally to the area around the former dispensers but have not been fully defined vertically. Groundwater was encountered between 17 and 21 feet bgs and grab groundwater samples were collected from all six samples. The site is currently an active fueling facility with Aboveground Storage Tanks (ASTs).

Mendocino County Environmental Health (2 cases)

33. Express Mart

390 Gobbi Street East, Ukiah

Substance: Gasoline

Source: Other

The release was discovered during the removal of two (2) 12,000 gallon gasoline USTs, fueling dispensers, and associated undergrounding piping (January 2019). During removal (February 2019), both tanks were noted to be in good condition. There was a slight odor of gasoline from the tank pit and gasoline constituents were detected in grab groundwater samples collected from the tank pit. Extracted groundwater was discharged into the open excavation at the site and soil excavated during UST removal was disposed of offsite in an uncontrolled manner. The North Coast Regional Board issued a Clean-up and Abatement Order (February 2019). A waste disposal plan was approved (May 2019). The site is currently an inactive fueling service station, with an active convenience store. The tanks were removed as part of a UST system upgrade and the site will be redeveloped into a new fueling facility.

34. North Ukiah Chevron-Redwood Oil

50 W Lake Mendocino Drive, Ukiah

Substance: Diesel

Source: Piping

The release was discovered during UST removal when samples collected around a former diesel product line indicated the soil around it is impacted with petroleum hydrocarbons (October 2019). Two phases of over-excavation were conducted, removing a total of approximately 375 cubic yards of impacted soil. (October and November 2019). The site is currently an active fueling facility.

Placer County Environmental Health (2 cases)

35. CA Highway Patrol Gold Run #2

50 Canyon Creek, Gold Run

Substance: Gasoline

Source: Tank

The release was discovered when a gasoline UST was removed (May 2019). Petroleum constituents were not detected in soil samples collected from beneath the former UST but were detected in a grab groundwater sample collected from the tank pit. A Work Plan proposing advancement of three (3) borings and installation of temporary monitoring wells

was submitted (July 2019) and approved (September 2019). The results of this work plan were submitted to the Central Valley Regional Board (April 2020) and states the site meets the requirements for the low threat closure policy. The site is currently a California Highway Patrol Office.

36. Tahoe Speedboat Company

4919 West Lake Blvd, Homewood

Substance: Gasoline, Waste Oil

Source: Tank

The release was discovered during the removal of two USTs, one (1) 2,000-gallon gasoline UST and one (1) 500-gallon waste oil UST (September 2019). Soil sample results indicated diesel leaked from the 500-gallon waste oil UST, which was visibly damaged and may have been previously abandoned in place. Placer County Environmental Health referred the case to the Lahontan Regional Board (October 2019). A Work Plan outlining removal of soil impacted by the release was submitted later that month (October 2019). The waste oil UST pit was over-excavated three times from October to November 2019. The site is currently under consideration for closure, the 60 day public comment period expires June 7, 2020. The site is currently a boat maintenance facility.

Sonoma County Fire and Emergency Services Department (2 cases)

37. O'Toole Property

4777 Guerneville Rd, Sonoma

Substance: Gasoline

Source: Tank

The release was discovered during a Phase II ESA conducted (February 2019). There are USTs remaining at the site; however, the current owner indicated his father closed the USTs in place in the 1980s. A Work Plan proposing six (6) direct push hydro-punch probes to delineate groundwater contamination was submitted and approved (June 2019). A September 2019 Project Update and Time Extension Request indicates and excavating service confirmed that the USTs are filled with pea gravel (August 2019). The Excavating service also determined that only one of the two USTs can be removed without compromising the existing building. One (1) UST was excavated and removed, and one (1) UST, that was located beneath the building, was closed in place by filling to capacity (January 2020). The site is an automotive repair facility.

38. Yang Property

20019 Coleman Valley Rd, Bodega Bay

Substance: Gasoline

Source: Tank

The release was discovered when one (1) UST was removed from the from the site (September 2019). According to the property owner, this UST has been present at the site for a long time (many decades). The UST likely contained gasoline and appears to have been abandoned in place. Groundwater present in the tank pit during removal had a visible sheen and hydrocarbon odor. Soil samples taken from the bottom of the pit and sidewalls indicated a release had occurred. Sonoma County issued a letter to the responsible party on October

18, 2019, requesting a Preliminary Site Assessment Work Plan be submitted no later than December 1, 2019. The Work Plan was approved on December 3, 2019. The results of this work plan recommend the installation of monitoring wells to determine groundwater flow direction and define the extent of the petroleum release (April 2020). The site is currently undeveloped land held in a conservation easement with Sonoma County.

Amador County Environmental Health Department (1 case)

39. Jon's Pit Stop (Jackson)

10773 Highway 49, Jackson

Substance: Gasoline, Diesel

Source: Tank, Dispensers

The release was discovered when an onsite monitoring well was sampled (February 2019). The well is located approximately 15 feet west of the USTs and was installed in 1992. Two (2) single-walled USTs were removed and one (1) was closed in place (September 2019). Petroleum constituents were detected in soil and groundwater samples collected from the tank pit. The UST Closure Sampling Report indicates samples were not collected from beneath the dispenser pans due to "obvious soil and water impacts" and access problems. A work plan for additional soil sampling, groundwater sampling, and the installation of groundwater monitoring wells was submitted the Central Valley Regional Board (May 2020). The site remains an active fueling facility.

Humboldt County of Division of Environmental Health (1 case)

40. El Pueblo Market (Former)

3600 Broadway, Eureka

Substance: Gasoline, Diesel

Source: Tank, Dispenser

The release was discovered during a Phase II ESA (September 2019) which was performed because historical maps from 1949 and 1955 show gas and oil service stations. Ground penetrating radar revealed three (3) metallic anomalies, potential USTs, in the northern portion of the property. Elevated concentrations of Total Petroleum Hydrocarbons as gasoline were detected in two (2) of the groundwater samples taken during the ESA. Three (3) tanks were removed from the site (November 2019). A Work Plan for additional investigation was submitted to the North Coast Regional Board (December 2019) and was approved by the Regional Board (February 2020). The results of the work plan and site investigation were submitted along with a request for case closure (April 2020). The site is a former market and is currently vacant.

Imperial CUPA – DTSC (1 case)

41. 2106 Winterhaven Drive

2106 Winterhaven, Winterhaven

Substance: Gasoline

Source: Unknown

The release was reported (August 2019) after groundwater monitoring data from an adjacent location with a leaking UST indicated the presence of an off site release. The Colorado River

Basin Regional Board sent a letter to the responsible party (February 2020) with a request for information. The site is currently a vacant lot.

Livermore-Pleasanton Fire Department (1 case)

42. Livermore Municipal Airport

680 Terminal Circle, Livermore

Substance: Gasoline, Diesel

Source: Piping

The release was discovered during the removal of a UST, subsurface piping, and other fueling components at the Livermore Municipal Airport (August 2019). Soil samples taken beneath the fueling system components indicated a release of aviation gasoline from the underground piping. The Livermore-Pleasanton Fire Department referred the case to the Alameda County Department of Environmental Health (October 2019). A Preliminary Site Assessment Work plan was submitted (February 2020) proposing soil and groundwater sampling. The site remains an active airport.

Marin County Dept of Public Works, Waste Management Division (1 case)

43. Former Econogas Station

2070 Redwood Highway, Larkspur

Substance: Gasoline, Diesel

Source: Unknown

The release was discovered when soil and groundwater samples taken during a Site Assessment revealed a release of gasoline and diesel had occurred at the site (August 2019). The San Francisco Bay Regional Board requested a Work Plan to define the extent of soil and groundwater contamination, due February 28, 2020. A request for a deadline extension until June 30, 2020 was submitted to the Regional Board (June 2020). There is a former LUST case at the site that was closed in 1996. The site was developed as a gas station between 1952 and 1958 and has progressed through three (3) generations of USTs. The site is currently an active fueling facility with four (4) double-walled USTs that were installed in 1993.

Monterey County Health Department (1 case)

44. 467 & 479 East Market Street

467 East Market St, Salinas

Substance: Gasoline

Source: Unknown

The Release was discovered during a Phase II ESA (December 2018). A September 2018 Phase I ESA Report indicated one (1) UST was removed from 467 East Market Street in June 1986 and Monterey County had issued a letter dated April 2, 2001 indicating site investigation was complete and no further action was required. A Workplan proposing 16 soil borings, three (3) of which would be converted to groundwater monitoring wells, and six (6) soil gas probes was submitted (May 2019) and approved (June 2019). The report was submitted to the Central Coast Regional Board (November 2019). The Regional Board approved the recommendations in this report to excavate contaminated soil and requested a work plan be submitted no later than April 30, 2020. This work plan was submitted to the Regional Board

(March 2020) and approved (May 2020). The current occupants of the site include a party supply store, an ice cream wholesale company, and storage unit rental company.

Roseville City Fire Department (1 case)

45. AAMCO Transmission and Total Car Care	207 Kenroy Lane, Roseville
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Substance: Gasoline

Source: Unknown

The release was discovered during a Phase II ESA conducted (March 2019) when petroleum constituents were detected in soil and groundwater. Historical records for the site indicate a UST was removed (September 1983), but there is no record of sampling at the time of removal. A Work Plan proposing five (5) borings to further assess soil and groundwater contamination was submitted and approved (August 2019). The results of the additional site assessment and a request for site closure under the low threat closure policy was submitted to the Central Valley Regional Board (April 2020). The site is an automotive repair facility.

San Mateo County Environmental Health (1 case)

46. Kentucky Fried Chicken #245	406 East Third Ave, San Mateo
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Substance: Gasoline, Diesel

Source: Tank

The release was discovered during a Phase II site assessment (June 2019) when petroleum constituents were detected in soil and groundwater samples and strong hydrocarbon odors were noted in two (2) wells when they were drilled. San Mateo County Environmental Health opened the case (January 2020) and requested additional investigation due to the presence of gasoline and diesel in soil and groundwater samples collected in June. Two (2) gasoline USTs were previously removed in 1994 during construction of the current structure. A third waste oil UST was suspected to be present but was not found with the two (2) USTs that were removed in 1994. The site is currently a Kentucky Fried Chicken chain restaurant.

Santa Cruz County Environmental Health (1 case)

47. Residential Property	502 Spring Street, Santa Cruz
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Substance: Gasoline

Source: Tank

The release was detected (December 2019) during a Site Assessment after the property owner smelled petroleum odor during heavy rain. A geophysical survey confirmed the presence of a UST approximately 500 gallons in size. Soil samples indicate a petroleum release has occurred. Groundwater samples were not taken due to the drill encountering a subsurface obstacle it could not penetrate. The Central Coast Regional Board sent a Notice of Responsibility (March 2020) to the property owner approving a Work Plan for the removal of the tank and associated piping. The site is currently a single-family residential property.

Santa Monica Fire Department (1 case)

48. Milender White Construction	1625 Lincoln Blvd, Santa Monica
Substance: Waste Oil, Hydraulic Fluid	Source: Tank
A 1,000 gallon UST was encountered during excavation and construction (July 2019). The tank was visibly damaged with holes and gashes up to 4 inches in diameter on discovery and clear signs of soil contamination were present in the underlying soils including the presence of free product. After the tank was discovered, excavation around the tank continued. At the time of removal, the tank was resting on a mound of soil approximately eleven (11) feet tall. The Santa Monica Fire Department referred the case to the Los Angeles Regional Board (August 2019). The site is currently under consideration for closure, the 60 day public comment period expires April 27, 2020. The site is being redeveloped into a high-rise residential apartment building.	

Santa Rosa City Fire Department (1 case)

49. Bennett Valley Road Property	3459 Bennett Valley Rd, Santa Rosa
Substance: Gasoline	Source: Unknown
Sonoma County Assessor's records indicate two (2) 500 gallon USTs are present on site. Records did not indicate where tanks were located. Onsite excavation uncovered one former UST pit. The tank had been previously removed, but soil samples taken from native materials at the bottom of the former UST pit confirmed a release had occurred from the former UST. Santa Rosa City Fire Department referred the case to the North Coast Regional Board (August 2019). The Regional Board required site assessment to investigate the extent of soil and groundwater impacts, which was submitted in November 2019. A Site Investigation (April 2020) at the property did not detect any petroleum constituents in the four soil samples collected. Groundwater was not encountered at 35 feet bgs and no samples were taken. The Regional Board received the results of the site investigation and a request to close the site (May 2020). The second UST is located on a neighboring property and is assumed to be intact. The site is currently a community market and deli.	

Shasta County Environmental Health (1 case)

50. Buckeye Street	13744 Buckeye Street, Shasta Lake
Substance: Gasoline, Diesel	Source: Tank
The release was discovered when two (2) USTs were removed from the site (May 2019). According to the County Inspection Report, both tanks were severely deteriorated on at the time of removal. Soil and Groundwater samples collected during tank removal indicated a release of gasoline and diesel had occurred at the site. A letter from the Central Valley Regional Board requesting a work plan and asking for the submittal of an unauthorized release report is the only document in GeoTracker. The site appears to be a residence.	

Ventura City Fire Department (1 case)

51. Cardlock Fuel System Incorporated 4480 Dupont Court, Ventura

Substance: Gasoline, Diesel

Source: Tank

The release was discovered when six (6) USTs were removed April 2019. The highest concentration of petroleum constituents was detected in groundwater samples collected from the tank pit. The City of Ventura Fire Department transferred the case to the Los Angeles Regional Board (May 2019). Four (4) groundwater monitoring wells were installed (September 2019). A sheen was note in one of the wells, but petroleum constituents were not detected in groundwater samples. The October 2019 Well Installation Report indicates the groundwater sample collected from the tank pit immediately following UST removal activities is suspected of being partially mixed with water released from one or more tanks during or after washing activities. The site is paved, and improvements include a small office building and canopy.

Yolo County Environmental Health Division (1 case)

52. Raley's West Sacramento 1601 West Capitol Ave, West Sacramento

Substance: Gasoline, Diesel, Waste Oil

Source: Unknown

The release was discovered when petroleum hydrocarbons were detected in soil and groundwater during a Phase II ESA (February 2019). The March 2019 Phase II ESA Report indicates soil gas samples were also collected (January 2019); petroleum constituents were not detected in soil gas, but chlorinated solvents were detected above screening limits. A Work Plan for Additional Site Investigation proposing exploratory excavation to evaluate potential for remnant USTs, indoor air sampling, and additional soil, groundwater, and soil gas sampling was submitted (June 2019) and approved (July 2019). The work plan was submitted to the Central Valley Regional Board (January 2020). The work plan identified one (1) form UST and recommended excavation and removal. The Regional Board concurred (February 2020). The site is currently a supermarket with a large parking lot.

New LUST Case (Old Release, Old Discovery) – 5 cases

Los Angeles County Department of Public Works (3 cases)

53. Adolf's Auto Repair

4601 Imperial Hwy W, Inglewood

Substance: Gasoline, Waste Oil

Source: Tank

The release was discovered when petroleum constituents were detected in soil during the removal of two (2) USTs (August 2017). The September 2017 Tank Closure Report indicates one of the USTs was extremely corroded and could not be removed from the excavation in one piece. Los Angeles County DPW referred the case to the Los Angeles Regional Board (April 2019). Two (2) directives requesting additional information issued by the Regional Board (April 2019 and October 2019) do not appear to have received a response. The site is currently an automotive repair facility.

54. Colker's Union Oil LLC	427 Crescent Dr N, Beverly Hills
Substance: Waste Oil	Source: Tank, Piping
The release was discovered when one (1) waste oil UST was removed (April 2018). The May 2018 Underground Waste Oil Tank Closure Report indicates the highest concentrations of petroleum constituents were detected in soil samples collected beneath the tank. Los Angeles County DPW referred the case to the Los Angeles Regional Board (June 2019). Two (2) directives requesting additional information were issued by the Regional Board (June 2019 and October 2019). The response was filed by the responsible party (December 2019). The Regional Board issued a letter requiring the submittal of a work plan by June 15, 2020 (May 2020). The site remains an active fueling facility.	
55. Paramount Station, Inc.	6602 Alondra Blvd, Paramount
Substance: Gasoline, Diesel	Source: Tank
The release was discovered when four (4) USTs were removed (January 2000). The UST Removal Report submitted to Los Angeles County DPW (July 2000) indicates petroleum constituents were detected in soil samples collected beneath the gasoline and diesel tanks. Los Angeles County DPW referred the case to the Los Angeles Regional Board (January 2019). A directive requesting additional information issued by the Regional Board (March 2019) does not appear to have received a response. The site remains an active fueling facility.	
Los Angeles City Fire Department (2 case)	
56. Dudley's Auto Repair	6556 Western Ave, Los Angeles
Substance: Gasoline	Source: Unknown
The release was discovered when three (3) USTs were removed from the site (August 1999). Two (2) soil samples were taken from an unknown depth and analyzed (Sept 1999). Additionally, the City of Los Angeles Fire Department (LAFD) requested a Work Plan to fully delineated the extent of impacted soil at the former UST area. This Work Plan was also never submitted. The case was opened when the LAFD referred the case to the Los Angeles Regional Board (July 2019). The Regional Board sent a letter to the Responsible Party with a request for more information (August 2019). A UST Cleanup Fund application filed with the RWQCB states an unauthorized release was discovered during tank removal. The site appears to currently be an Auto Repair facility.	
57. Potrero Canyon Park	15101 Pacific Coast Hwy, Pacific Palisades
Substance: Gasoline	Source: Tank
The release was discovered when the City of Los Angeles Department of Recreation and Parks removed four (4) gasoline USTs and one (1) waste oil UST (February 1988) and soils within the	

excavation area had noticeable visual and olfactory petroleum hydrocarbon contamination. Approximately 500 cubic yards of contaminated soil was removed from the site in April 1988, but no further remediation appears to have been conducted. The case was neither closed, referred to the Los Angeles Regional Board, nor entered into GeoTracker until a 2019 site investigation performed by CalTrans led to its rediscovery. The release was discovered when petroleum constituents were detected in soil and soil vapor samples collected during a site investigation (August 2019). The Regional Board sent a request for additional information (September 2019) and received a response (September 2019). According to information in GeoTracker the last action was a site visit by the Regional Board (December 2019). A work plan for additional site assessment was submitted to, and approved by, the Regional Board (May 2020). The site is a public park.

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 - December 2019 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