



Statewide UST Numbers*

Number of USTs	37,595
Number of UST Facilities	13,687
Storage Capacity (gallons)	417,481,933

Statewide number of USTs and storage capacity are underreported here (164 UST facilities in CERS lack tank-specific information)

CERS Implementation (Page 2)

Complete and accurate data in CERS enables California to manage its UST Leak Prevention program more effectively. It is crucial that the State Water Board and USEPA 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	24,455	295,925,968
Motor Vehicle, Diesel	8,745	90,198,038
Motor Vehicle, Racing fuel	54	398,900
Generator, Diesel	2,089	19,112,965
Other, Diesel	180	2,174,724
Waste Oil	903	942,167
Chemicals or Haz Waste	285	1,635,186
Jet Fuel or Aviation Gas	237	3,609,366
Marina Fueling	131	1,151,697
Other	516	2,332,922

UPAs Approved for Paperless Reporting	78/89
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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 USEPA 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 USEPA. Please reference Appendix B for the list of priority violations.

Routine Inspections (January – December 2022)	13,587
Priority Violations	17,148
% Inspected UST Facilities with Priority Violations	51%
% UST Facilities with Priority Violations (All RTC)	58.8%

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)	41
Releases Reported (Facilities Operating at time of discovery)	10
New Releases (Newly Occurring)	1

Single-Walled 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)	2,087
Facilities with SW USTs (tanks or piping)	794
% of Statewide UST Systems (SW)	5.6%
% of Statewide UST Facilities (SW)	5.8%
SW UST Facilities with unresolved priority violation(s) in past 18 months	239

CALIFORNIA UNDERGROUND STORAGE TANK (UST) LEAK PREVENTION

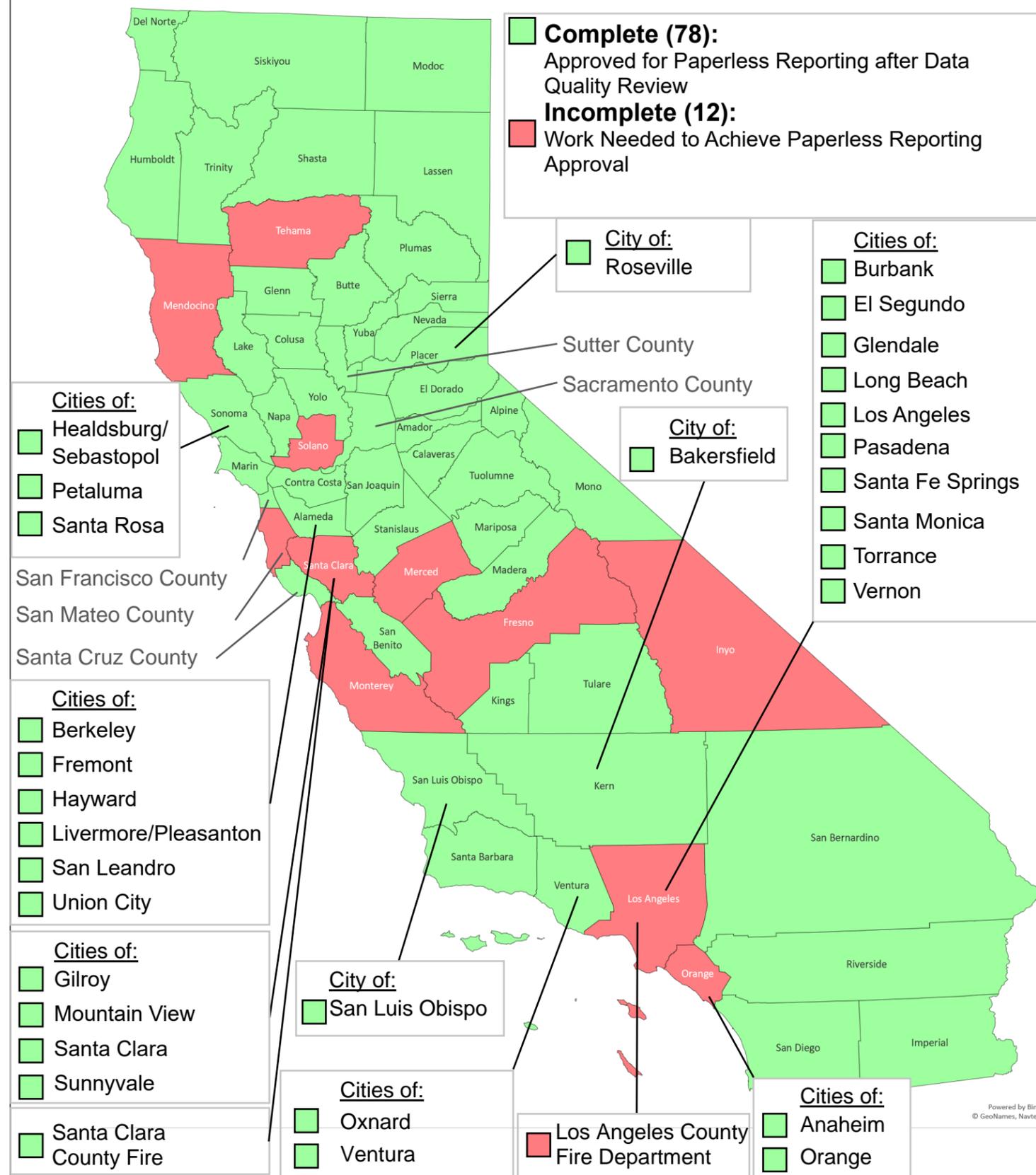
JANUARY – DECEMBER 2022 ANNUAL REPORT

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 2022. Data sources were collected on May 12, 2023, 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 Tom Henderson at tom.henderson@waterboards.ca.gov for more information.

CERS Implementation by Unified Program Agency (UPA)



* CERS data queried May 12, 2023

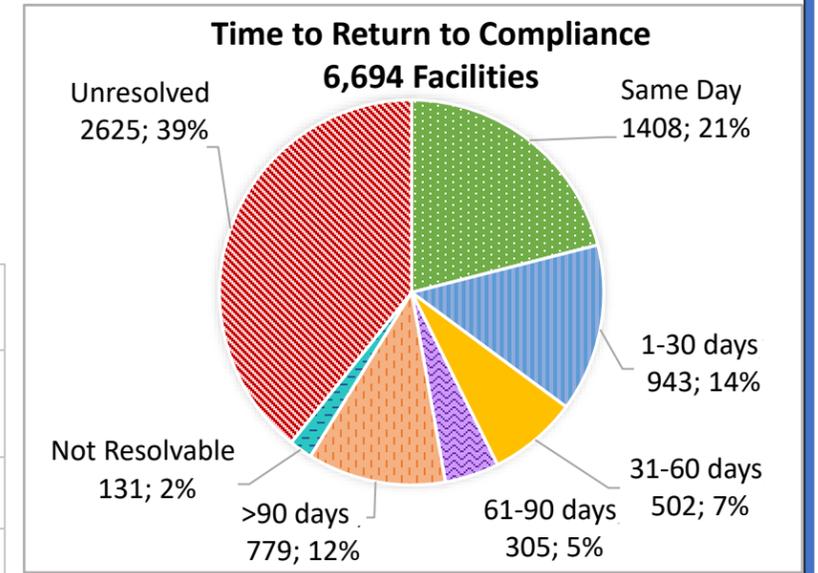
UST Violations and Return to Compliance

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 2022, UPAs cited one or more priority violations at 50.95% (6,694 of 13,138) of all UST facilities inspected. By May 2023, 58.81% of these facilities (3,937 of 6,694) had returned to compliance.

Number of Facilities with a Routine Inspection	12,138
Number of Additional Routine Inspections reported in a 12-month period	449
Number of Facilities with Priority Violations	6,694
Average Time to RTC*	65 days

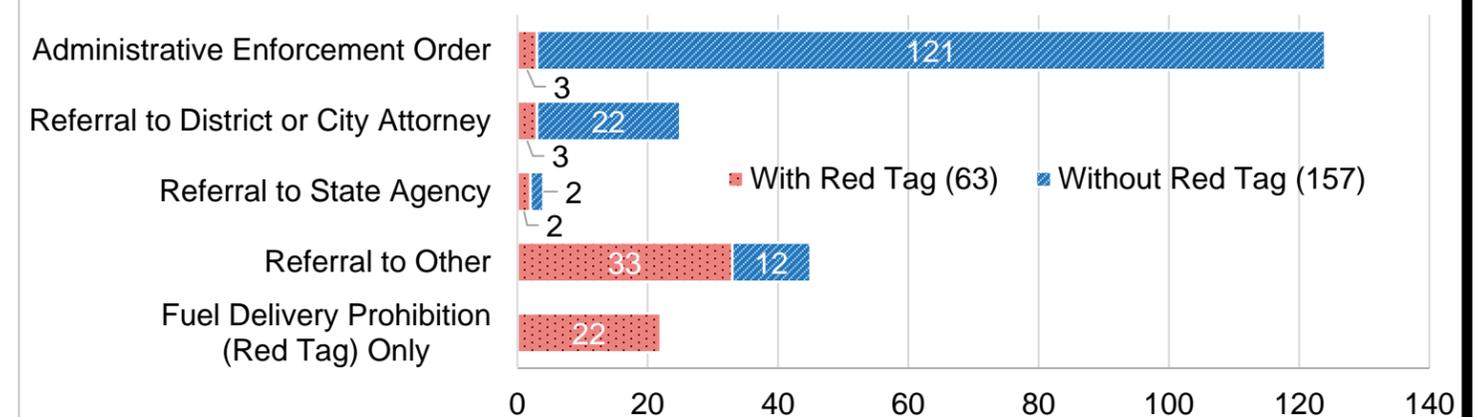
*Per Violation, not including RTC at the time of inspection (same day RTC)



Most Cited Violations between January – December 2022

Violation Name	CERS Violation Type Number	Total # of Citations	# UPAs Citing Violation	% RTC by May 2023
Overfill Prevention (failure to comply with equipment requirements for fuel deliveries)	2030036	2792	73	42%
Designated Operator Monthly Inspections (failure to conduct monthly inspection)	2030013	2394	71	47%
Spill Container (not meeting maintenance/testing requirements)	2060020	1871	84	64%
Monitoring Equipment (improper installation, calibration, operation, or maintenance)	2030043	1164	79	65%
Secondary Containment (failure to maintain)	2030047	1094	72	43%

Enforcement Actions Initiated at 214 UST Facilities



Total Facilities (214) is less than sum of facilities enforcement actions with Red Tag (63) and without Red Tag (157) because some of the facilities had multiple types of enforcement actions.

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 May 2023	Formal Enforcements Initiated
Alpine County Health Department	100%	3	0	0	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Marin County Dept of Public Works CUPA	85%	73	45	27	11 (0%)	13 (0%)	17 (0%)	19 (0%)	23 (0%)	0
Modoc County Environmental Health	14%	1	5	1	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Union City Environmental Programs	100%	24	20	7	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0
Monterey County Health Department	61%	187	190	33	1 (3%)	1 (3%)	1 (3%)	1 (3%)	1 (3%)	0
Fresno County Department of Public Health	99%	423	417	200	19 (10%)	22 (11%)	24 (12%)	24 (12%)	28 (14%)	0
Los Angeles County Department of Public Works	90%	1433	4769	795	9 (1%)	60 (8%)	100 (13%)	123 (15%)	205 (26%)	42
Mountain View Fire Department	100%	27	19	12	1 (8%)	2 (17%)	2 (17%)	2 (17%)	2 (17%)	0
Kern County Environmental Health Services	100%	300	288	125	11 (9%)	19 (15%)	29 (23%)	32 (26%)	47 (38%)	1
Hayward City Fire Department	100%	84	94	43	6 (14%)	11 (26%)	12 (28%)	12 (28%)	15 (35%)	0
Del Norte Environmental Health Division	100%	12	13	7	0 (0%)	0 (0%)	1 (14%)	2 (29%)	3 (43%)	0
Santa Monica Fire Department	100%	34	52	28	6 (21%)	8 (29%)	8 (29%)	8 (29%)	9 (32%)	0
Calaveras County Environmental Health	97%	28	13	10	2 (20%)	3 (30%)	3 (30%)	3 (30%)	3 (30%)	0
Santa Fe Springs Fire-Rescue	100%	31	58	19	3 (16%)	5 (26%)	6 (32%)	6 (32%)	7 (37%)	0
Santa Clara County Environmental Health	100%	388	787	284	34 (12%)	70 (25%)	84 (30%)	92 (32%)	129 (45%)	10
Mendocino County Environmental Health	94%	63	70	37	10 (27%)	12 (32%)	12 (32%)	12 (32%)	12 (32%)	0
Burbank Fire Department	97%	62	3	3	1 (33%)	1 (33%)	1 (33%)	1 (33%)	1 (33%)	0
Sierra County Human Services Department	100%	7	37	6	0 (0%)	1 (17%)	2 (33%)	2 (33%)	2 (33%)	4
Torrance Fire Department	100%	52	11	9	1 (11%)	2 (22%)	3 (33%)	3 (33%)	7 (78%)	0
Tulare County Environmental Health	98%	269	481	193	28 (15%)	48 (25%)	55 (28%)	65 (34%)	79 (41%)	19
Santa Clara City Fire Department	100%	63	59	38	8 (21%)	11 (29%)	12 (32%)	13 (34%)	15 (39%)	0
Solano County Environmental Health	81%	157	112	64	12 (19%)	16 (25%)	19 (30%)	22 (34%)	23 (36%)	2
Tehama County Environmental Health	100%	44	57	29	5 (17%)	6 (21%)	9 (31%)	10 (34%)	11 (38%)	0
Pasadena Fire Department	100%	54	32	24	3 (13%)	7 (29%)	7 (29%)	9 (38%)	14 (58%)	0
San Francisco City & County Public Health	100%	229	164	108	10 (9%)	32 (30%)	42 (39%)	43 (40%)	48 (44%)	0
San Benito County Health Department	100%	22	8	5	1 (20%)	2 (40%)	2 (40%)	2 (40%)	4 (80%)	0
Santa Clara County Fire Department	98%	63	53	30	10 (33%)	11 (37%)	12 (40%)	12 (40%)	13 (43%)	0
Los Angeles City Fire Department	97%	1231	1594	571	105 (18%)	171 (30%)	214 (37%)	233 (41%)	299 (52%)	124
Mariposa County Public Health Department	97%	33	39	22	4 (18%)	6 (27%)	9 (41%)	9 (41%)	12 (55%)	0
Santa Cruz County Environmental Health	64%	81	56	36	6 (17%)	11 (31%)	14 (39%)	15 (42%)	19 (53%)	2
Mono County Health Department	100%	21	45	19	4 (21%)	7 (37%)	8 (42%)	8 (42%)	11 (58%)	0
Orange County Environmental Health	100%	778	530	330	75 (23%)	107 (32%)	133 (40%)	144 (44%)	197 (60%)	5
Stanislaus County Environmental Resources	91%	198	147	70	16 (23%)	24 (34%)	25 (36%)	31 (44%)	38 (54%)	0
Lake County Environmental Health	100%	32	33	18	8 (44%)	8 (44%)	8 (44%)	8 (44%)	9 (50%)	0
Alameda County Environmental Health	99%	245	417	156	28 (18%)	48 (31%)	59 (38%)	70 (45%)	95 (61%)	1
Tuolumne County Environmental Health	94%	32	15	11	0 (0%)	5 (45%)	5 (45%)	5 (45%)	6 (55%)	0
Ventura City Fire Department	96%	48	23	11	4 (36%)	5 (45%)	5 (45%)	5 (45%)	5 (45%)	0
Healdsburg/Sebastopol JPA	71%	10	4	2	1 (50%)	1 (50%)	1 (50%)	1 (50%)	1 (50%)	0
Inyo County Department of Environmental Health	96%	24	12	10	3 (30%)	3 (30%)	5 (50%)	5 (50%)	5 (50%)	1
Siskiyou County Community Development	83%	26	18	12	1 (8%)	4 (33%)	6 (50%)	6 (50%)	7 (58%)	0
Sonoma County Fire Prevention and Hazmat	100%	82	71	34	10 (29%)	13 (38%)	15 (44%)	17 (50%)	24 (71%)	2
Bakersfield City Fire Department	96%	170	163	87	6 (7%)	13 (15%)	29 (33%)	45 (52%)	79 (91%)	6
Contra Costa County Health Services Department	100%	394	339	187	57 (30%)	78 (42%)	88 (47%)	97 (52%)	122 (65%)	6
Merced County Environmental Health	97%	121	176	77	17 (22%)	33 (43%)	37 (48%)	40 (52%)	49 (64%)	11
Sacramento County Environmental Management	100%	487	689	317	80 (25%)	129 (41%)	150 (47%)	166 (52%)	208 (66%)	17
Statewide Totals	96%	13587	17148	6694	1408 (21%)	2351 (35%)	2853 (43%)	3158 (47%)	3937 (59%)	365

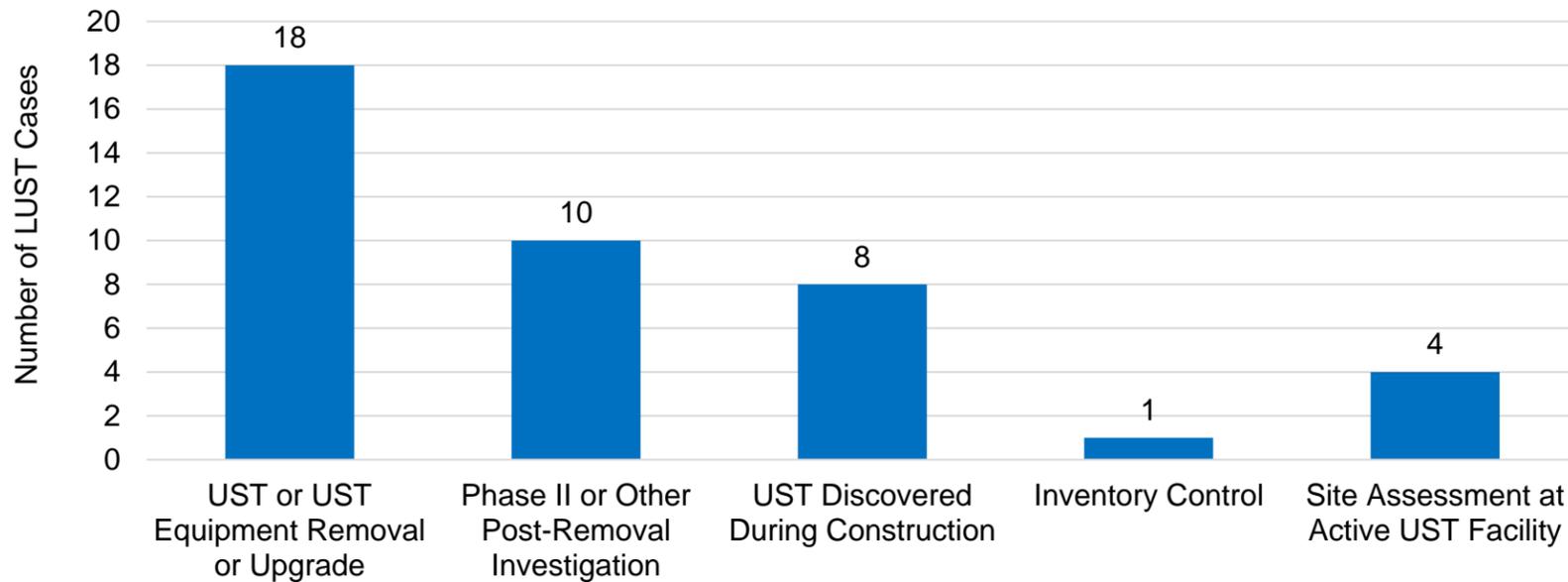
Return to Compliance by UPA, Sorted by % Facilities Return to Compliance 90 Days after Inspection (page 2 of 2)

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 May 2023	Formal Enforcements Initiated
Humboldt County Division of Environmental Health	96%	71	64	32	9 (28%)	12 (38%)	16 (50%)	17 (53%)	21 (66%)	0
Yuba County Environmental Health Department	98%	43	30	20	8 (40%)	9 (45%)	11 (55%)	11 (55%)	12 (60%)	0
Gilroy City Fire Department	100%	27	17	9	3 (33%)	5 (56%)	5 (56%)	5 (56%)	5 (56%)	0
San Mateo County Environmental Health	98%	268	218	123	25 (20%)	50 (41%)	59 (48%)	69 (56%)	95 (77%)	0
Orange City Fire Department	100%	71	54	35	14 (40%)	15 (43%)	19 (54%)	20 (57%)	29 (83%)	0
San Bernardino County Fire Department	100%	846	639	385	91 (24%)	153 (40%)	187 (49%)	221 (57%)	277 (72%)	38
Berkeley City Toxics Management Division	100%	30	20	12	2 (17%)	4 (33%)	4 (33%)	7 (58%)	10 (83%)	0
San Leandro City	100%	47	12	10	3 (30%)	5 (50%)	5 (50%)	6 (60%)	6 (60%)	1
Riverside County Department of Environmental	100%	703	804	378	98 (26%)	151 (40%)	203 (54%)	227 (60%)	303 (80%)	18
Long Beach Environmental Health	100%	141	66	46	8 (17%)	23 (50%)	26 (57%)	28 (61%)	33 (72%)	4
Sunnyvale Department of Public Safety	100%	43	36	18	4 (22%)	6 (33%)	9 (50%)	11 (61%)	15 (83%)	0
San Luis Obispo City Fire Department	100%	23	23	13	2 (15%)	4 (31%)	7 (54%)	8 (62%)	12 (92%)	0
Nevada County Environmental Health	100%	35	35	16	3 (19%)	7 (44%)	10 (63%)	10 (63%)	13 (81%)	1
San Joaquin County Environmental Health	99%	268	385	192	36 (19%)	98 (51%)	114 (59%)	121 (63%)	142 (74%)	8
Imperial CUPA - DTSC	100%	78	250	72	8 (11%)	24 (33%)	36 (50%)	46 (64%)	59 (82%)	4
Madera County Environmental Health	100%	78	146	61	18 (30%)	34 (56%)	35 (57%)	39 (64%)	43 (70%)	0
Sutter County Environmental Health	95%	40	21	14	7 (50%)	8 (57%)	8 (57%)	9 (64%)	9 (64%)	0
Plumas County Environmental Health	100%	21	53	17	7 (41%)	9 (53%)	11 (65%)	11 (65%)	12 (71%)	0
Butte County Environmental Health	100%	131	213	67	30 (45%)	40 (60%)	42 (63%)	44 (66%)	50 (75%)	0
El Segundo City Fire Department	100%	21	6	3	0 (0%)	1 (33%)	2 (67%)	2 (67%)	3 (100%)	0
Livermore-Pleasanton FD	100%	76	35	22	5 (23%)	8 (36%)	13 (59%)	15 (68%)	17 (77%)	0
Oxnard Fire Department	98%	46	20	18	8 (44%)	13 (72%)	13 (72%)	13 (72%)	13 (72%)	0
Colusa County Health and Human Services	100%	19	40	11	4 (36%)	7 (64%)	7 (64%)	8 (73%)	9 (82%)	0
Glenn County Air Pollution Control District	88%	16	24	11	0 (0%)	5 (45%)	6 (55%)	8 (73%)	8 (73%)	4
Ventura County Environmental Health	100%	161	138	82	32 (39%)	55 (67%)	58 (71%)	60 (73%)	60 (73%)	0
Santa Barbara County Environmental Health	100%	147	83	57	15 (26%)	35 (61%)	41 (72%)	42 (74%)	48 (84%)	1
Kings County Environmental Health	80%	69	43	27	11 (41%)	17 (63%)	19 (70%)	20 (74%)	21 (78%)	0
San Diego County Department of Environmental	100%	971	501	352	153 (43%)	239 (68%)	260 (74%)	264 (75%)	287 (82%)	13
Shasta County Environmental Health	99%	121	178	83	35 (42%)	50 (60%)	57 (69%)	63 (76%)	70 (84%)	12
Placer County Environmental Health	100%	89	170	64	29 (45%)	36 (56%)	43 (67%)	49 (77%)	57 (89%)	0
El Dorado County Environmental Management	100%	76	67	43	15 (35%)	25 (58%)	29 (67%)	33 (77%)	38 (88%)	7
Petaluma City Fire Department	100%	21	12	9	4 (44%)	6 (67%)	7 (78%)	7 (78%)	8 (89%)	0
Yolo County Environmental Health	100%	96	48	28	11 (39%)	16 (57%)	19 (68%)	22 (79%)	26 (93%)	0
Glendale City Fire Department	100%	58	42	24	9 (38%)	15 (63%)	17 (71%)	19 (79%)	21 (88%)	0
Vernon Health & Environmental Control	100%	24	18	11	1 (9%)	5 (45%)	5 (45%)	9 (82%)	9 (82%)	0
Roseville City Fire Department	102%	55	35	18	8 (44%)	14 (78%)	14 (78%)	15 (83%)	17 (94%)	0
Anaheim City Fire Department	96%	109	52	37	17 (46%)	21 (57%)	28 (76%)	31 (84%)	32 (86%)	1
Fremont City Fire Department	100%	60	74	37	11 (30%)	19 (51%)	29 (78%)	31 (84%)	34 (92%)	0
San Luis Obispo County Environmental Health	100%	100	157	68	18 (26%)	37 (54%)	52 (76%)	57 (84%)	66 (97%)	0
Santa Rosa City Fire Department	98%	55	43	28	13 (46%)	18 (64%)	23 (82%)	25 (89%)	27 (96%)	0
Napa County Department of Environmental	98%	44	42	28	13 (46%)	19 (68%)	24 (86%)	26 (93%)	27 (96%)	0
Amador County Environmental Health	89%	29	4	4	3 (75%)	4 (100%)	4 (100%)	4 (100%)	4 (100%)	0
Lassen County Environmental Health	53%	8	1	1	0 (0%)	0 (0%)	1 (100%)	1 (100%)	1 (100%)	0
Trinity County - DTSC	100%	6	1	1	0 (0%)	0 (0%)	1 (100%)	1 (100%)	1 (100%)	0
Statewide Totals	96%	13587	17148	6694	1408 (21%)	2351 (35%)	2853 (43%)	3158 (47%)	3937 (59%)	365

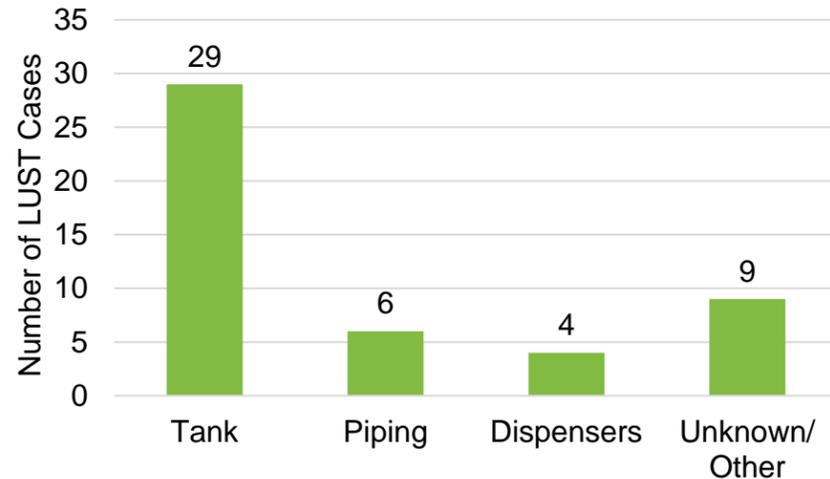
New Leaking Underground Storage Tank Cleanup Cases

GeoTracker leaking UST (LUST) data indicates that 41 new petroleum UST cleanup cases were opened, based on releases reported by UST owners, operators, and regulators between January and December 2022.

How Release was Discovered

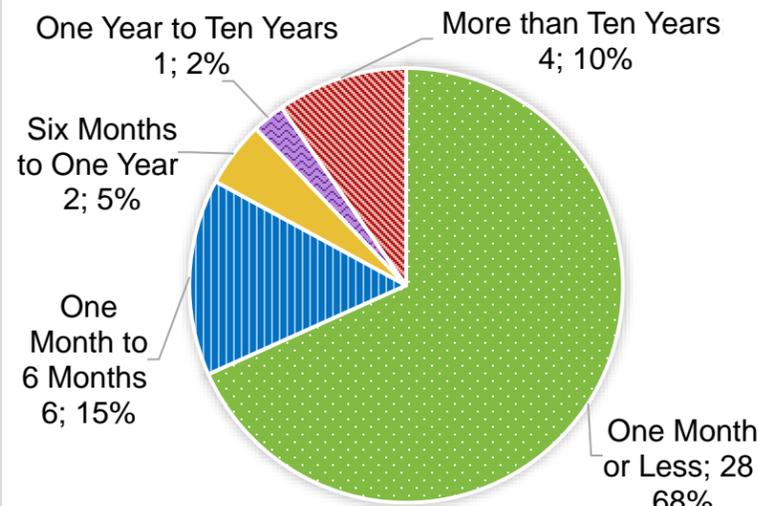


Source of Release

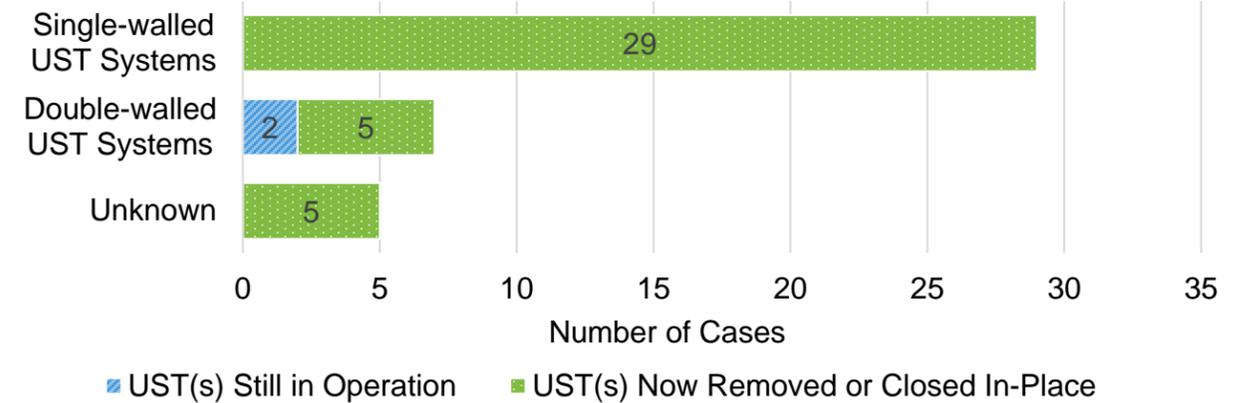


Note: In some cases, more than one component of the UST system is identified as the source. Therefore, the total number for this chart does not reflect the total number of cases.

Release Report to LUST Case (Time Elapsed)

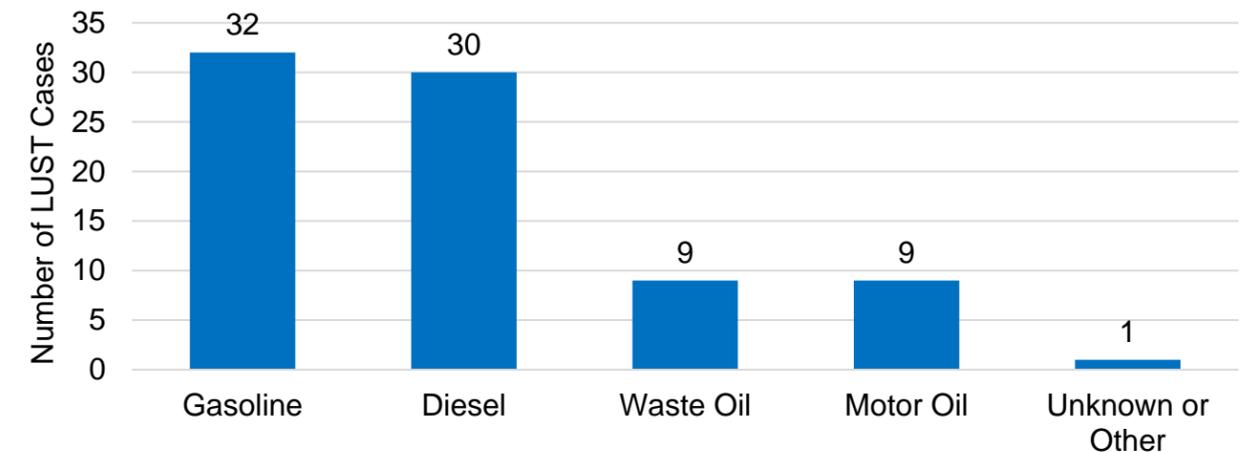


Construction Type & Status of UST Systems with a Release



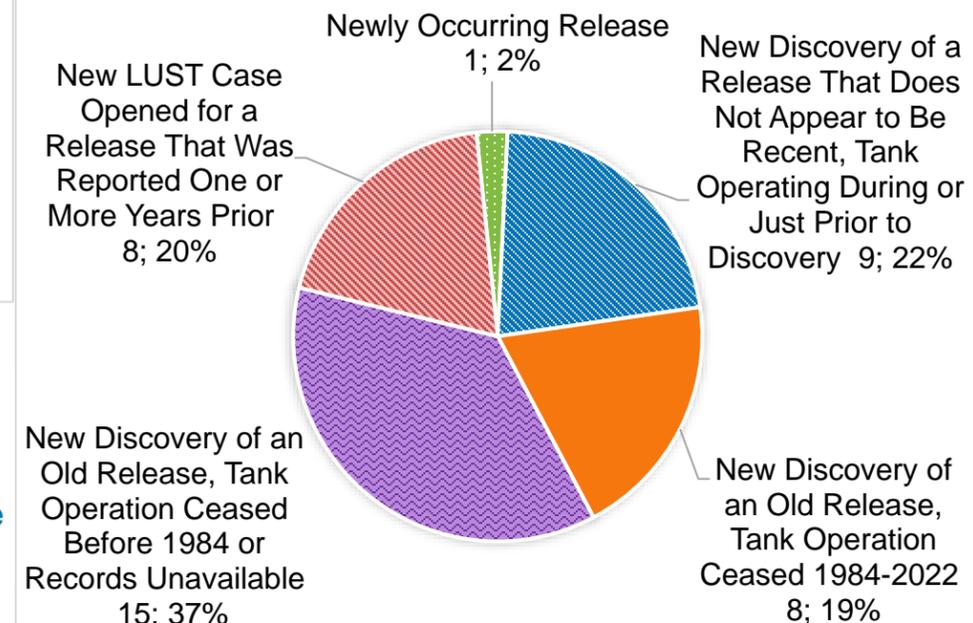
* Construction type and status are for the one or more UST systems involved in the release

Substance Released



Note: In many 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

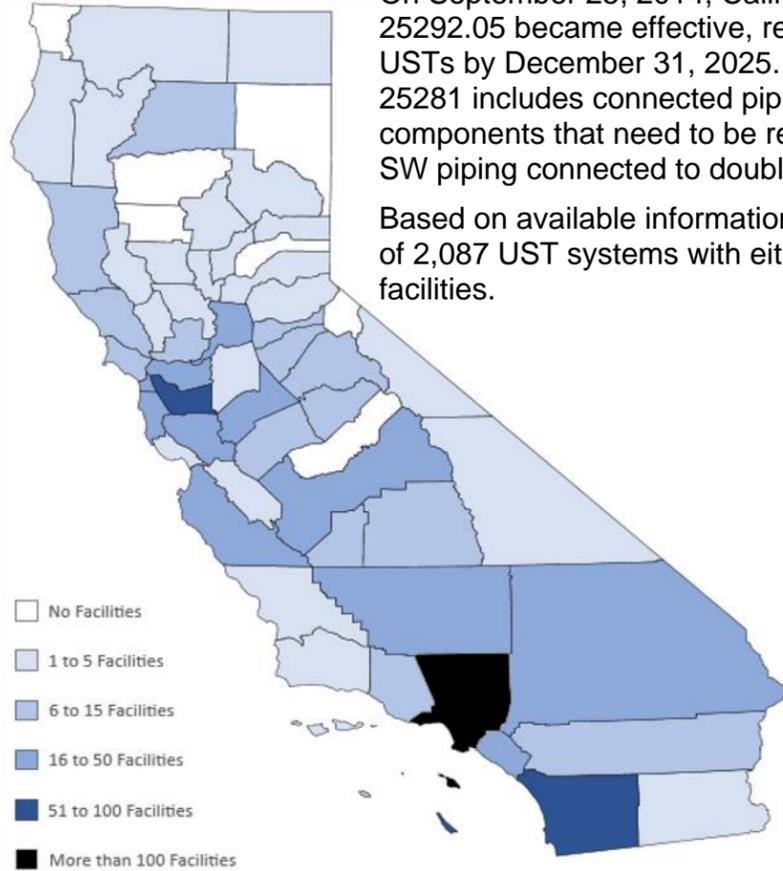
6.7%

DW UST Closures or Upgrades Resulting in Discovery of a Release (70/1042) Facilities Since January 1, 2017)

29.7%

SW UST Closures or Upgrades Resulting in Discovery of a Release (162/546) 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 May 12, 2023, California has a total of 2,087 UST systems with either a SW tank or SW piping remaining at 794 facilities.

	SW Tank	DW Tank SW Piping	Total
USTs	1,754	333	2,087
Facilities	640	158	794

Total Facilities (794) is less than sum of SW Tank and DW Tank SW Piping (798) because some of the facilities have both types of systems.

Year	SW Tanks	DW Tanks SW Piping	Total
2017	211	24	235
2018	129	32	161
2019	140	31	171
2020	170	20	190
2021	116	13	129
2022	14	5	19

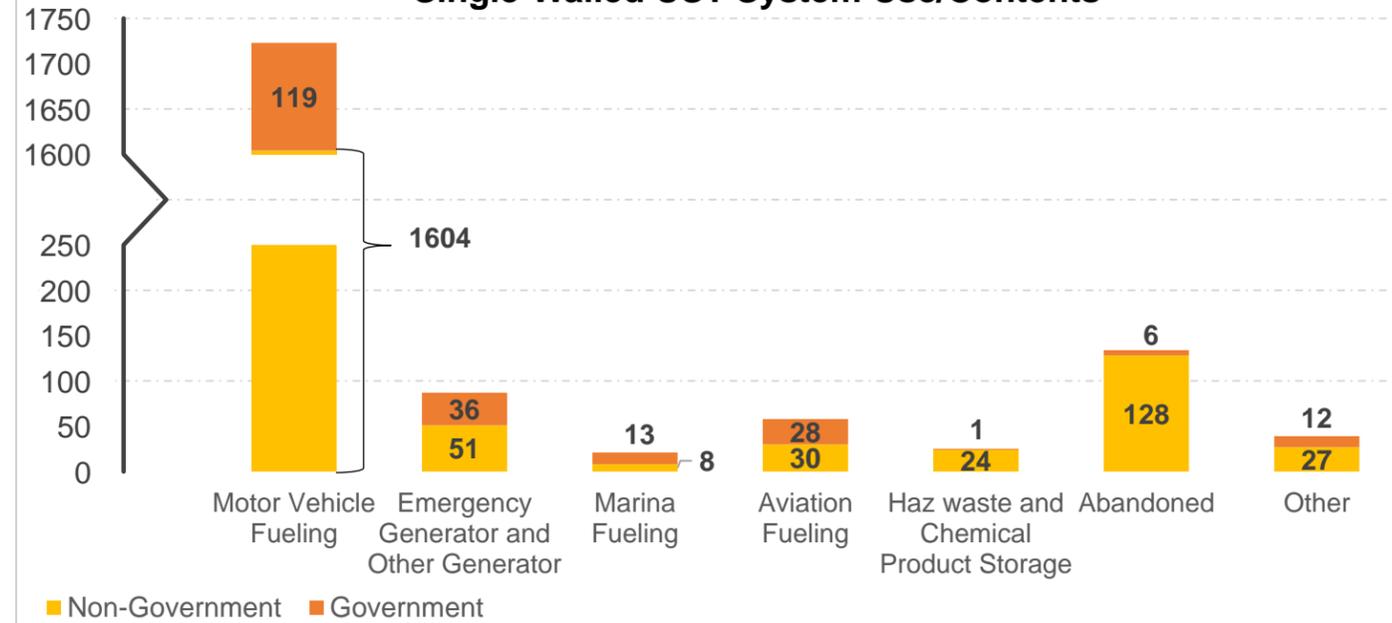
CERS data continues to improve, so the total USTs and total closures for past periods in this report may not match previous reports.

RUST Applications for Single-Walled UST Closure

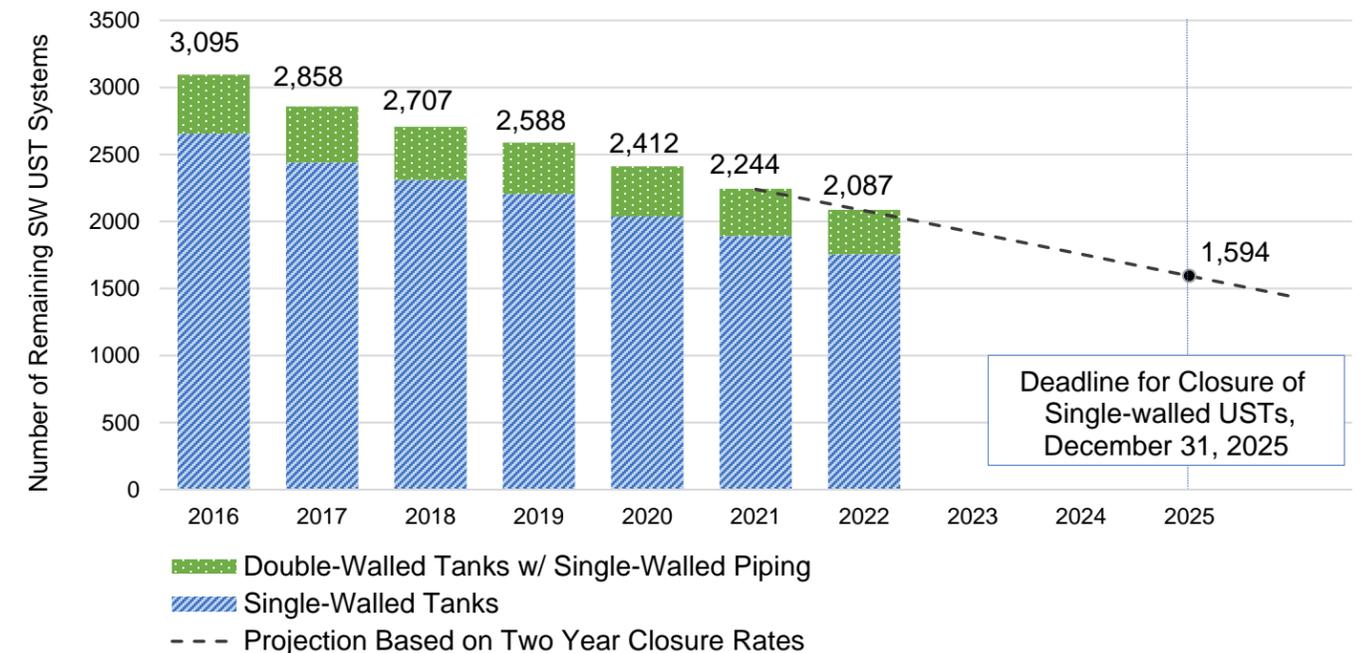


Between January 2022 and December 2022, 58 RUST applications for SWT closure were submitted. This chart does not show additional RUST applications unrelated to SWT closure.

Single-Walled UST System Use/Contents



Single-Walled UST Closure Progress



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.

30% of single-walled UST Facilities have Unresolved Priority Violations. Facilities with unresolved violations are not eligible for RUST funding assistance. (234/794 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 County Department of Public Works	79	47	213	187	26
Los Angeles City Fire Department	69	20	177	138	39
San Diego County Department of Environmental Health and Quality	54	1	153	113	40
Contra Costa County Health Services Department	46	13	119	99	20
Alameda County Environmental Health	43	15	113	109	4
San Mateo County Environmental Health	39	4	97	84	13
San Francisco City & County Public Health Department	38	12	77	73	4
Orange County Environmental Health	34	5	88	78	10
Fresno County Department of Public Health	31	16	90	74	16
San Bernardino County Fire Department	22	11	63	55	8
Kern County Environmental Health Services Department	20	10	58	55	3
Stanislaus County Environmental Resources	19	8	68	68	0
Monterey County Health Department	18	5	51	48	3
Sacramento County Environmental Management Department	17	8	40	30	10
Merced County Environmental Health	16	2	36	23	13
Riverside County Department of Environmental Health	14	4	40	16	24
Santa Clara County Environmental Health	13	5	29	22	7
Amador County Environmental Health	12	1	34	25	9
Bakersfield City Fire Department	10	0	25	25	0
Marin County Dept of Public Works CUPA	9	1	23	21	2
Mariposa County Public Health Department	9	3	17	10	7
Mendocino County Environmental Health	9	2	24	19	5
Shasta County Environmental Health	9	0	28	23	5
Solano County Environmental Health	9	3	22	10	12
Santa Clara County Fire Department	8	2	23	23	0
Calaveras County Environmental Health	7	1	23	23	0
Kings County Environmental Health	7	1	16	16	0
Ventura County Environmental Health	7	2	19	16	3
Tulare County Environmental Health	6	2	16	11	5
Tuolumne County Environmental Health	6	3	11	7	4
Ventura City Fire Department	6	0	14	14	0
Humboldt County Division of Environmental Health	5	3	14	14	0
Santa Barbara County Environmental Health Services	5	2	9	8	1
Anaheim City Fire Department	4	0	9	7	2
Butte County Environmental Health	4	2	11	10	1
Hayward City Fire Department	4	1	10	9	1
Plumas County Environmental Health	4	1	14	14	0
San Luis Obispo County Environmental Health	4	0	6	4	2
Santa Cruz County Environmental Health	4	1	12	12	0
Sonoma County Fire Prevention and Hazmat	4	1	9	9	0
Sunnyvale Department of Public Safety	4	0	9	6	3
Berkeley City Toxics Management Division	3	0	9	9	0
Burbank Fire Department	3	0	7	6	1
Imperial CUPA - DTSC	3	1	6	6	0
Lake County Environmental Health	3	3	7	7	0
Total	794	234	2,087	1,754	333

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
Livermore-Pleasanton FD	3	0	11	8	3
Long Beach Environmental Health	3	0	8	5	3
Orange City Fire Department	3	1	7	7	0
San Leandro City	3	0	7	7	0
Santa Clara City Fire Department	3	3	7	7	0
Sierra County Human Services Department	3	3	8	8	0
Colusa County Health and Human Services	2	1	6	6	0
El Dorado County Environmental Management	2	0	6	6	0
Gilroy City Fire Department	2	0	4	4	0
Inyo County Department of Environmental Health Services	2	0	6	6	0
Pasadena Fire Department	2	1	6	3	3
Placer County Environmental Health	2	0	6	6	0
Roseville City Fire Department	2	0	6	6	0
San Joaquin County Environmental Health	2	0	2	0	2
Torrance Fire Department	2	0	6	6	0
Vernon Health & Environmental Control Department	2	0	8	0	8
Yuba County Environmental Health Department	2	1	11	8	3
El Segundo City Fire Department	1	0	2	2	0
Fremont City Fire Department	1	0	4	4	0
Madera County Environmental Health	1	1	1	1	0
Modoc County Environmental Health	1	1	3	3	0
Mono County Health Department	1	0	1	0	1
Mountain View Fire Department	1	0	2	2	0
Napa County Department of Environmental Management	1	0	2	2	0
Petaluma City Fire Department	1	0	3	3	0
Santa Monica Fire Department	1	0	4	0	4
Santa Rosa City Fire Department	1	0	1	1	0
Siskiyou County Community Development	1	0	1	0	1
Sutter County Environmental Health	1	0	2	2	0
Trinity County - DTSC	1	0	2	0	2
Yolo County Environmental Health	1	0	5	5	0
Alpine County Health Department	0	0	0	0	0
Del Norte Environmental Health Division	0	0	0	0	0
Glendale City Fire 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
Nevada County Environmental Health	0	0	0	0	0
Oxnard Fire Department	0	0	0	0	0
San Benito County Health Department	0	0	0	0	0
San Luis Obispo City Fire Department	0	0	0	0	0
Santa Fe Springs Fire-Rescue	0	0	0	0	0
Tehama County Environmental Health	0	0	0	0	0
Union City Environmental Programs	0	0	0	0	0
Total	794	234	2,087	1,754	333

Appendix A: Confirmed UST Releases, January – December 2022

Throughout California, 41 releases were confirmed and reported from federally regulated petroleum USTs between January and December 2022. This does not account for releases from non-petroleum USTs (e.g., chlorinated solvent USTs), nor does it account for releases from federally exempt USTs (e.g., residential heating oil USTs).

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Newly Occurring Release – 1 case

Sacramento County Environmental Management Department (1 case)

1. BONFARE MARKET (CASE #2)

2600 Rio Linda Blvd, Sacramento

Substance: Gasoline

Source: Tank

The release was discovered on January 18, 2022 from a single-walled UST during reconciliation of inventory for a 91-octane gasoline tank. On January 24, 2022, tank testing confirmed that the tank's integrity had been compromised and an estimated 3,805 gallons of gasoline had been released. A release was reported to the County of Sacramento Environmental Management Department and public health notice was issued on January 25, 2022. A site assessment workplan was submitted (March 2022) and accepted (April 2022). A preliminary site assessment report was submitted on June 30, 2022. Between April and June 2022, four groundwater monitoring wells and two dual-nested soil vapor extraction wells were installed, soil and groundwater samples were collected, and a sample was collected from a domestic well. Groundwater monitoring is ongoing and reported quarterly. The site consists of an active fueling facility and convenience store.

New Discoveries (Old Release) – 32 Cases

Alameda County Environmental Health Department (4 cases)

2. 10 Roads Express

2226 Campbell Street, Oakland

Substance: Gasoline, Diesel

Source: Tank, Dispenser

The release was discovered after elevated petroleum concentrations were identified in soil and groundwater samples collected when one 10,000-gallon and one 5,000-gallon diesel single-walled USTs were removed in June 2022. Tanks were reported to be in good condition with no visible holes and were reportedly relined in the mid-2000s. Tanks had been out of use for several years. Gasoline (TPHg up to 2,500 mg/kg) and diesel (TPHd up to 30,000m mg/kg) were detected in confirmation soil samples. The release was reported to Alameda County Environmental Health June 23, 2022, a staff letter requesting a workplan was issued August 2, 2022, and a Notice of Responsibility was issued August 29, 2022. The requested workplan was submitted in June 2022 and conditionally approved in October 2022. The site is used as a trucking storage yard.

3. Former Gasoline Service Station

2484 Park Blvd, Oakland

Substance: Gasoline, Diesel

Source: Unknown

The release was discovered when TPHg, TPHd, ethylbenzene, toluene, and naphthalene were detected in soil during a Phase II ESA in April 2022 and reported to the Alameda County Environmental Health Department on May 18, 2022. The site was previously a gasoline station and auto repair shop from 1928 to 1966. Historical aerial photos show a rectangular anomaly approximately 20' x 15' near the former fueling operations likely associated with an abandoned UST. A Phase I ESA was performed before the Phase II however no additional information pertaining to the removal of the USTs from the previous gasoline station was found in the

records reviewed. No letters have been issued by the lead agency. The site was redeveloped into the current Dave’s Grocery & Liquor.

4. Safeway Fuel Station #3281 501 Willie Stargell Ave, Alameda

Substance: Gasoline, Diesel, Motor Oil Source: Tank

The site is an active fuel station and convenience store with nine fuel dispensers linked to two USTs: one 30,000-gallon gasoline UST and one 30,000-gallon triple-compartment UST with diesel, premium gasoline, and regular gasoline compartments. During a renovation project, the existing dispensers connected to the USTs were removed. In October 2022, compliance soil and groundwater samples were taken and both TPHd and TPHmo were detected in groundwater. TPHg, TPHd, toluene, ethylbenzene, and total xylenes were detected in additional groundwater samples in November 2022, with an inconsistency with motor vehicle fuel chromatograms noted in the lab reports. An unauthorized release report was submitted to the Alameda County Department of Environmental Health on November 28, 2022. On December 15, 2022, Alameda County CUPA referred the contaminated site case to the Alameda County Department of Environmental Health Local Oversight Program.

5. Tidewater East Bay Regional Parks 11500 Tidewater Avenue, Oakland District

Substance: Gasoline, Diesel Source: Tank

The Site previously served as a storage yard for intermodal container trailer equipment until around 2017 and is currently vacant. In December 2019, a UST was found during a site inspection at the northeast property boundary of the Site and 4831 Tidewater Ave, owned by Three Rivers Trucking Company. During an investigation in October 2020, an adjacent UST was discovered. Both USTs were 700-gallon single-walled diesel tanks located on East Bay Regional Park District's (EBRPD) property, however, they belonged to an adjacent business. The tanks along with associated piping were removed on October 20, 2020. The County of Alameda's UST system closure inspection report revealed that Tank 1 had a dent in the south end where the seam was separated, with other observable holes. Tank 2 also had dents but no observable holes, and bluish-green staining was noticed in the soil at the base of both tanks. Soil samples indicated contamination in the tanks pits up to 350 mg/kg of TPHg and 18 mg/kg TPHd. Soil samples were collected from the bottom and sidewalls of the UST excavation, and they did not show diesel or related compounds exceeding commercial soil Environmental Screening Levels (ESLs). On January 28, 2022 East Bay Regional Park District discovered odors of strong diesel impacts in a storm drain and believed it was migrating from the adjacent parcel at 4831 Tidewater or possibly the two USTs removed in 2020. EBRPD requested assistance from the SF Water Board to identify the source of diesel that is impacting their park redevelopment project. An unauthorized release report was submitted to the Alameda Country Department of Environmental Health on July 22, 2022. A contaminated site case transfer form was issued to the Alameda County LOP on July 27, 2022. According to the January 23, 2023 Tidewater EBRPD Site Evidence of On-Site Hydrocarbon Impacts From Up-Gradient Source(s) report, the two former fuel USTs are not indicated to be the source of the contamination found. The report

revealed that the petroleum identified at the USTs and the petroleum sampled from the manhole do not have the same hydrocarbon chain signature.

Berkeley Toxics Management Division (1 case)

6. Core Berkeley Bancroft, LLC

2590 Bancroft Way, Berkeley

Substance: Diesel, Waste Oil

Source: Tank

During residential and commercial site construction in April 2022, an approximately 1,000-gallon waste oil UST was discovered. The UST appeared to be partially closed in-place, filled with concrete and residual product. The UST was removed June 2022. TPHd and SVOCs were detected in groundwater samples over San Francisco Bay Regional Water Quality Control Board (SF Water Board) environmental screening levels (ESLs). An unauthorized release form was issued to the Berkeley Toxics Management Division on July 29, 2022 and the case was referred to the SF Water Board. The SF Water Board sent an email to the RP in August 2022 requesting delineation of contamination. The SF Water Board issued a directive staff letter in February 2023 requesting a work plan to delineate contamination by May 2023. The planned site use remains residential and commercial.

City of Santa Fe Springs Department of Fire-Rescue (3 cases)

7. Former Service Station

11318 Norwalk Bl, Santa Fe Springs

Substance: Gasoline, Diesel, Waste Oil, Motor Oil

Source: Tank

The release was discovered when petroleum constituents were detected in soil during a February 2022 Phase II ESA. The site was developed from at least 1928 with various uses, including commercial, auto repair, and a former retail fueling station until 1977 before demolition and construction of a parking lot. Two former single wall waste oil USTs were identified and removed from the site later in February 2022. Gasoline, diesel, and motor oil constituents were detected in soil and an unauthorized release report was issued to Santa Fe Springs Department of Fire-Rescue on February 23, 2022 and referred the case to the Los Angeles Regional Water Quality Control Board (LARWQB) the same day. The RP was directed to conduct additional assessment. A Remedial Action (soil vapor extraction pilot test) and LTCP Evaluation Report was submitted June 2022. The case was noticed for closure August 8, 2022 and closed November 28, 2022. Current and planned use remains as a parking lot.

8. Los Nietos – WHC LLC

12235 Los Nietos Rd, Santa Fe Springs

Substance: Unknown

Source: Unknown

On 1/14/2022, one 1,000-gallon gasoline fuel tank was discovered during a geophysical survey and then removed on April 7, 2022. The unauthorized release report was issued to the City of Santa Fe Springs on 5/23/2022 and stated no discharge was reported. The May 2022 UST Closure Report indicates there was evidence of minor physical damage (holes and corrosion) to the topside of the tank upon removal. Lead, VOCs, and methylene glycol were detected. An Underground Storage Tank Closure report was submitted 5/3/2022. The City of Santa Fe Springs Department of Fire-Rescue referred the Site to the LA Water Board on 5/23/2022. A request for

additional information was issued on 7/5/2022 and a response was received on 8/19/2022 and 9/13/2022. A pre-closure notification was issued on 1/11/2023. The site improvements consist of a single two-story office building and parking area.

9. Vacant Lot

10051 Romandel Ave, Santa Fe Springs

Substance: Diesel

Source: Tank

The currently vacant property was previously operated by Golden Eagle as a petroleum refinery from 1938 to 1947. In 1947, the facility was converted into a specialty chemical manufacturing site, producing cresylic acid, naphthenic acid, and alkylated phenols. On September 9, 2022, during trenching for a remediation system installation overseen by the Department of Toxic Substances Control, a 750-gallon single-walled steel waste oil UST was discovered. Soil samples taken during removal on October 10, 2022 indicated TPHd at up to 2,400 mg/kg and TPHg and TPHmo below action levels according to the UST Closure Report submitted on November 4, 2022. On November 9, 2022, an unauthorized release report was issued to the City of Santa Fe Springs Department of Fire-Rescue who referred the site to the LA Water Board on November 9, 2022. Additional case information was requested by the LA Water Board on 1/26/2023 as well as a request for soil sampling with PAH analysis. The additional information and workplan were provided on March 6, 2023, and was conditionally approved on July 3, 2023.

Contra Costa County Health Services Department (1 case)

10. UPS Facility

1970 Olivera Rd, Concord

Substance: Gasoline, Diesel

Source: Tank

A release was discovered during the removal of a 10,000-gallon single-walled fiberglass UST and associated piping and dispensers on June 16, 2022. The UST, installed in 1972, previously held gasoline until 2008 but contained diesel fuel prior to removal. Grab groundwater samples from the tank pit indicated TPHg, TPHd, and BTEX, leading to the submission of an unauthorized release report to the Contra Costa Health-Hazmat Program on August 4, 2022. Soil samples from the tank pit sidewalls, dispenser island, and product line areas, showed trace concentrations of TPHd (maximum 33.5mg/kg) but no petroleum product concentrations above Tier 1 Environmental Screening Levels (ESLs). No recent release indicators, such as staining, petroleum odor, or visible sheen, were observed. Contra Costa Health Services issued a UST closure confirmation letter on October 28, 2022. Although the facility remains an active UPS facility, it no longer operates as a fueling station. The SF Water Board issued a staff letter requesting a workplan to evaluate impacts in a letter dated July 31, 2023 and a site assessment workplan was submitted to the SF Water Board August 21, 2023.

Kern County Environmental Health Division (2 cases)

11. Dulai's Minimart Fuels

1915 N Chester Ave, Bakersfield

Substance: Gasoline, Diesel

Source: Tank

The release was discovered when one 8,000-gallon gasoline, one 6,000-gallon diesel, and one 5,000-gallon gasoline single-walled tanks and associated piping were removed in April 2022. Upon removal, the tanks appeared to be in good condition with no visible holes; however,

petroleum constituents were detected in soil samples indicating release from both gasoline and diesel USTs. The Kern County Environmental Health Division has referred the case to the Central Valley Water Quality Control Board (Central Valley Regional Board). The Central Valley Regional Board issued a letter in June 2022 requiring a workplan for site assessment and approved such workplan in August 2022. A Site Assessment and Case Closure Request was submitted September 2022. Public notice for case closure was issued October 19, 2022 and the case was closed January 18, 2023. The site is currently developed as a convenience store and paved parking lot.

12. Oasis Travel Stop

15700 Sierra Highway, Mojave

Substance: Gasoline

Source: Tank

A release was discovered during removal activities from November 2 to 4, 2022, involving the removal of a 6,000-gallon gasoline steel tank, a 6,000-gallon diesel steel tank, and a 10,000-gallon gasoline fiberglass UST. Soil samples identified the source as the south end of the 10,000-gallon UST, with TPHg concentrations as high as 36,000 mg/kg at depths of 13 to 17 feet bgs. Elevated benzene (1.8 mg/kg) and ethylbenzene (28 mg/kg) levels were found in soil beneath the southwest dispenser. A previous-generation 10,000-gallon gasoline UST was abandoned in place on February 9, 2006; however, it showed no signs of petroleum product release. The Kern County Environmental Health Division referred the case to the Lahontan Regional Water Quality Control Board (Lahontan Water Board) on February 9, 2023. associated with Oasis Travel Station. On February 17, 2023, the Lahontan Water Board issued a directive requiring the submission of an investigation work plan with a deadline of April 2023 which was extended to October 15, 2023. The site currently operates as a commercial fueling station.

Kings County Department of Public Health (1 case)

13. Hanford 76 (Former Grangeville Union)

102 West Grangeville Avenue, Hanford

Substance: Gasoline, Diesel

Source: Piping

The release was discovered on June 1, 2022, during the removal and replacement of existing under-dispenser containment pans and product piping. Petroleum constituents were detected in soil samples collected beneath the piping tees and Kings County referred the case to the Central Valley Regional Board. On 8/12/2022, the Central Valley Regional Board issued a request for investigation of the release. A preliminary site assessment workplan was submitted and approved September 2022. The Preliminary Site Assessment Report was submitted December 2022 and indicated a recent release occurred at the piping elbow, but some gasoline constituent detections may be from a 1989 release in the same location. The Preliminary Site Assessment Report concluded that the vertical and lateral limits of the petroleum-containing soils were fully delineated, and the release had not impacted groundwater, recommending no further action. The Central Valley Regional Board concurred with closure on January 1, 2023 and requested a public notice list. The site is an active fueling station that is associated with Robin's Mini Mart.

Los Angeles City Fire Department (4 cases)

14. 2nd and Broadway Station Site 208 S. Broadway, Los Angeles

Substance: Diesel, Waste Oil Source: Tank

One 1,100-gallon single-walled steel UST containing oily liquid contents was discovered December 2021 during excavation. The February 2022 UST Closure Report, prepared for the City of Los Angeles Fire Department, indicates corrosion and holes were observed in the UST upon removal January 2022. Additionally, significant hydrocarbon odor and staining was noted in the surrounding soil. Petroleum detected in soil samples was reportedly very old (pre-1932) with low mobility. The historical Hollenbeck Hotel previously occupied the site from 1884 until it was demolished in 1932 after which it became a parking lot for the Los Angeles Times. Based on the age and location of the UST, it was likely associated with the hotel operations. The Los Angeles City Fire Department (LAFD) referred the site to the LA Regional Board on April 7, 2022. The LA Regional Board requested additional information on April 18, 2022 which was submitted on May 20, 2022. The site is currently a transit center.

**15. 3000 S Crenshaw (La) Oz Owner, 3000 Crenshaw Blvd S, Los Angeles
LLC**

Substance: Gasoline, Waste Oil, Motor Oil Source: Tank

One 150-gallon capacity single-walled steel UST containing approximately 20 gallons of waste oil was discovered during demolition activities in August of 2021. The UST was removed in September 2021. The October 2021 Soils Report, prepared for the City of Los Angeles Fire Department, indicated the UST was in poor condition with rust damage and several perforations up to two inches in diameter reported. Petroleum constituents and PCE were reported in one groundwater sample collected as part of the Phase II ESA in June 2021. The contents of the UST were analyzed and contained concentrations of chlorobenzene, trichloroethene (TCE), chromium, copper, lead and zinc, and PCBs. LAFD referred the site to the LA Regional Board on January 27, 2022. The LA Regional Board requested additional information February 22, 2022, and a risk assessment June 1, 2022, which was submitted August 22, 2022. The site is currently being redeveloped into a multi-level commercial office building with two levels of underground parking.

16. Bryon II Homeless Housing 2721 Wilshire Blvd, Los Angeles

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

On May 20, 2021, during excavation for construction of an apartment building, one 1,000-gallon single-walled steel UST was discovered. Analysis indicated the contents of the UST consisted primarily of water and diesel. On June 23, 2021, the UST was removed, and soil samples were collected beneath the former UST and piping. Several days later, additional soil was excavated and a total of 45 cubic yards of soil were transported offsite for disposal. TPHg, TPHd, ethylbenzene, benzene, and naphthalene were detected in soil samples collected after over-excavation. On September 28, 2021, an additional soil and groundwater investigation was submitted to the City of Los Angeles Fire department reporting the release. LAFD referred the case to the LA Regional Board on January 25, 2022. A request for additional information and

risk assessment work plan was issued on February 2, 2022. The site plans include a building that will cover nearly the entire site and include an active vapor intrusion and methane barrier beneath the slab-on-grade foundation.

17. Pacific Partnership

1600 Pacific Ave S, San Pedro

Substance: Gasoline, Diesel, Waste Oil

Source: Tank

The release was discovered when TPHg, TPHd, and naphthalene were detected in soil samples from beneath two 1,000-gallon single-walled USTs removed October 2021. The UST Removal Report, submitted to the City of Los Angeles Fire Department, indicates that UST #1 was likely used to store waste oil and UST #2 likely contained gasoline or diesel products. Additional soil excavation was conducted in November 2021, removing an estimated 55 cubic yards of petroleum hydrocarbon impacted soil. The LAFD referred the site to the LA Regional Board on March 8, 2022. LA Regional Board requested additional information on March 25, 2022, which was submitted on April 6, 2022. A pre-closure notification was issued on February 22, 2023. The commercial property includes an active bicycle shop and auto repair shop on the western side, while the vacant eastern side was previously used for boat service repairs.

Los Angeles County Department of Public Works (8 cases)

18. 10130 Adella LLC

10130 Adella Ave, Los Angeles

Substance: Gasoline

Source: Other

The release was discovered when a 500-gallon gasoline UST was discovered during excavation activities. The UST was removed in November 2021, and the UST Closure Report from February 2022 confirmed its good condition, showing no visible holes and minimal fluid inside. Low levels of petroleum VOCs, PAHs, and metals were detected in soil samples collected during UST removal activities. Between the 1950s and 2000s, the site was occupied by a steel fabrication facility. A UST release was previously reported at this site in 1991 and closed in 1996 (T0603704293) and a Site Cleanup Program case (T10000020006) has been open at the site since 2020. The soil sampling report, dated February 14, 2022, was sent to the Los Angeles County Department of Public Works to report the release. A referral letter from the County of Los Angeles Department of Public Works (LADPW) to the LA Regional Board was issued on April 28, 2022, and a directive from the LA Regional Board to the RP requesting additional information was sent on May 17, 2022. The RP provided a letter detailing requested information on July 12, 2022. The site was historically occupied by an industrial steel-fabrication facility between the 1950s and the early 2000s but was demolished to be redeveloped into a multi-family structure.

19. 37120 47th Street East USTs

37120 47th Street East, Palmdale

Substance: Gasoline, Diesel

Source: Dispenser, Piping, Tank

On April 26, 2022, a release incident was discovered during the removal of specific equipment, including one 20,000-gallon gasoline double-walled fiberglass UST and one dual-chambered UST with a capacity of 7,000 gallons for diesel and 8,000 gallons for gasoline. This removal was overseen by Los Angeles County Department of Public Works and included four product

dispensers with their associated piping. During the assessment, trace DRO and GRO was discovered beneath each UST, along product lines, and around the dispensers, with concentrations reaching up to 2.2 mg/kg. Approximately 6 cubic yards of contaminated soil were over excavated from the tank pit, stockpiled, and then transported offsite. An unauthorized release report was issued to the Los Angeles County Department of Public Works (LACPW) on June 10th, 2022. In response to these findings, the case was officially referred to the Lahontan Water Board on September 21, 2022. Subsequently, a pre-closure notification was issued on April 24, 2023. The site is within 'The Place on 47th St' shopping center complex, where it has operated as a USA Gasoline branded gas station since the early 2000s.

20. 8551 Long Beach LLC

8551 Long Beach Blvd, Los Angeles

Substance: Gasoline, Diesel, & Waste Oil

Source: Tank

The release was discovered during a UST removal in January 2022. Records on CERS show that there were nine existing USTs at a gas station at this site which were to be removed in three phases to minimize impact to the existing auto repair business. According to the UST Removal Report, the first phase was completed early January 2022, when three 10,000-gallon tanks (#7, 8, & 9) were removed. The UST removal report, submitted to the Los Angeles County Department of Public Works, indicates that during the second phase in late January 2022, tanks #4, 5, and 6 were removed, a 2,000-gallon gasoline, a 5,000-gallon sludge, and a 2,000-gallon waste oil tank, respectively. VOCs, TPHg, TPHd, and TPHmo were detected in soil samples collected beneath each of the six tanks following removal. On May 23, 2022, LADPW referred the case to the LA Regional Board. On June 2, 2022 the LA Regional Board sent a letter requesting additional information by July 5, 2022. Note that the most recent CERS submittal indicates that the three 10,000-gallon USTs were on record as tanks #1, #2, and #3 (removed January 6, 2022). The two 2,000-gallon and one 5,000-gallon tanks were on record as tanks #7, #8, and #9 (removed January 19, 2022). CERS shows tanks #4, #5, and #6 as three 5,000-gallon USTs remaining in place. The UST removal report indicates the third and final phase of tank removal (tanks #1, 2, & 3 according to UST removal report, #4, #5, and #6 according to CERS records) was delayed due to contractor issues and there is no indication of a planned timeline for removal of the remaining three USTs. The UST removal report indicates a soils engineer study will need to be conducted prior to removal of one of the remaining tanks due to its location underneath the building.

21. Former Speedway Station #4328

1711 East Avenue J, Lancaster

Substance: Diesel

Source: Tank, Piping

The site was vacant land until it was redeveloped into a gas station in 2002. On March 9, 2022, a release was discovered during station demolition and the removal of two 15,000-gallon double-walled fiberglass USTs (one dual compartment), piping, and dispensers. Petroleum constituents were not detected above laboratory reporting limits in soil sample collected during UST removal activities. Soil samples detected very low J-flagged concentrations of benzene, toluene, and total xylenes. A Site Demolition and UST System Removal Report dated April 12, 2022 was submitted to the Los Angeles County Department of Public Works (LADPW) reporting the release. The LADPW referred the site to the LA Water Board on May 19, 2022 who

requested evaluation of vapor intrusion risk in a letter dated August 9, 2022. A workplan was submitted September 9, 2022, approved via email September 29, 2022. The Soil Vapor Intrusion Report and Request for Case Closure was submitted February 10, 2023. The gas station was demolished in March 2022 and is currently an asphalt parking lot.

22. Harry's Mobil Station

110 East Palmdale Dr, Palmdale

Substance: Gasoline

Source: Tank

The release was discovered in February 2022 when a 10,000-gallon double walled UST was closed-in-place at an active retail fueling facility and soil samples obtained by boring to 40 feet bgs adjacent to the UST showed concentrations of petroleum VOCs including toluene, and ethylbenzene. The release was reported May 5, 2022 and a case was opened by the Lahontan Water Board at that time. The case is in status "Verification Monitoring" as of August 9, 2022. No further communications or documentation is available on GeoTracker. The site remains an active retail fueling facility.

23. Prologis Targeted US Logistics

2410 Dominguez St E, Carson

Substance: Gasoline

Source: Unknown

Two double-walled USTs (one 7,500-gallon. gasoline UST and one 12,000-gallon. diesel UST) used for fleet vehicle fueling were removed in February of 2021, and the associated soil sampling showed evidence of petroleum contamination. Approximately 432 tons of soil and demolition material were excavated and removed from the site. The underground storage tank removal report dated May 5, 2021 was sent to the Los Angeles County Department of Public Works to report the release. The LADPW referred the case to the LA Regional Board in March 29, 2022. The LA Regional Board requested additional information in April 2022, which the RP provided in May 2022. A Preclosure Notification was issued in February 2023, and the case status is now Eligible for Closure. The property was formerly occupied by a warehouse and office building but is now a vacant, graded lot used for trailer storage.

24. Rocco's Honda Acura Specialists

45239 Division St. Lancaster

Substance: Diesel, Motor Oil

Source: Unknown

Upon the removal of one 1,000-gallon single-walled UST and associated piping in December 2021, soil sampling confirmed the presence of TPHd and TPHmo. The property was a gas station in the 1960s. The UST had been abandoned but was noted to be in good condition upon removal. The February 4, 2022 soil sampling report was sent to the Los Angeles County Department of Public Works to report the release. On March 23, 2022, the LADPW referred the case to the Lahontan Water Board, who noticed the case for closure June 22, 2022, and closed the case August 26, 2022. An auto repair shop currently occupies the site.

25. Xpress Auto Rental

8460 Telegraph Rd, Downey

Substance: Gasoline, Diesel, & Waste Oil

Source: Tank

The release was discovered during the removal of one 250-gallon waste oil UST from the site November 2021. Holes in the bottom invert of the tank were found upon removal. Soil samples

collected from beneath the UST found elevated concentrations of TPHg, TPHd, and TPHmo. The soil sampling report, dated December 9, 2021, was sent to the Los Angeles County Department of Public Works to report the release. The Los Angeles County Department of Public Works referred the case to the LA Regional Board March 8, 2022. The LA Regional Board requested additional information from the RP April 2022 and a workplan for site assessment November 2022, submitted and approved March 2023. The site is an active retail fueling station.

Marin County Department of Public Works (1 case)

26. Ledger Ranch 2000

5700 Middle Road, Petaluma

Substance: Gasoline

Source: Tank

A release was discovered during the removal of a 550-gallon gasoline UST June 2022. The UST removal report noted that the tank was in poor condition with significant surface rusting and several holes. The removal report further noted that the UST was previously abandoned in place many years ago. TPHg, BTEX, MTBE, TBA, naphthalene, and lead were detected in soil samples collected beneath the tank. An Underground Storage Tank Removal report and an Unauthorized Release Report was submitted to Marin County Department of Public Works on June 28, 2022 who referred the case to the North Coast Regional Water Quality Control Board (North Coast Water Board). The North Coast Water Board issued an Order to Submit Work Plan July 2022, a Work Plan for Subsurface Investigation was submitted August 2022, approved September 2022, and the Report of Investigation was submitted January 2023. A Work Plan for Limited Excavation was submitted and approved in January 2023. The site consists of a 203-acre rural property that includes a single-family dwelling and several associated outbuildings.

Placer County Environmental Health (1 case)

27. Palisades Tahoe Upper Vehicle Maintenance Area

1960 Olympic Valley Rd, Olympic Valley

Substance: Gasoline, Diesel

Source: Piping, Dispenser

One 20,000-gallon double walled steel diesel UST, one 20,000-gallon double walled steel gasoline UST, one diesel dispenser, one gasoline dispenser, and associated piping were removed August 18, 2022. No damage was visible upon the removal of the USTs and soil and groundwater samples were taken from the tank excavations. Sampling results received August 24, 2022 indicated DRO in soil under piping lines at 4,500 mg/kg and under the fuel hut (Gasoline and Diesel Dispensers) at 1,300 mg/kg. An unauthorized release report was submitted to Placer County Environmental Health on September 1, 2022 naming the source of the discharge the Piping and Dispenser. A groundwater assessment workplan was submitted and approved by the Lahontan Water Board on August 1, 2023. The site is currently used as a vehicle maintenance shop and a lift maintenance shop for the repair and maintenance of the resort's vehicles and lifts.

Sacramento County Environmental Management Department (2 case)

28. 30th & H Building

725 30th Street, Sacramento

Substance: Gasoline, Diesel

Source: Unknown

According to a September 2021 Phase I/Phase II assessment, no records regarding USTs or their removal were available from regulatory agencies and no presence of USTs were indicated from the geophysical survey conducted. The release was discovered during the Phase II portion of the assessment when petroleum constituents were detected in the soil and soil vapor. Indoor air samples collected during the same investigation did not show elevated concentrations of VOCs associated with subsurface conditions. In March 2022, groundwater samples in the presumed hydrogeologically downgradient direction from the former gasoline station detected TPHg, TPHd, benzene, and naphthalene above ESLs, with the source of contamination remaining uncertain. The Additional Environmental Site Assessment dated April 14, 2022 was sent to the Sacramento County Environmental Management Department to report the release. On March 7, 2023, the Sacramento County Environmental Management Department (SCEMD) requested a site assessment workplan, which was submitted and approved on May 4 and May 16, 2023, respectively. The site served as a gasoline service station from around 1960 until its demolition in 1982. A new structure was built around 1984 and has since been used for various office-oriented businesses.

29. 3201 Marysville Blvd Property

3201 Marysville Blvd, Sacramento

Substance: Gasoline, Diesel, Motor Oil

Source: Tank

The release was discovered during a Limited Phase II ESA, submitted to the Sacramento County Environmental Management Department on March 2022. The investigation identified the presence of TPHg, TPHd, TPHmo, VOCs, and SVOCs. Historically, the site has been used as various gas stations (1947-1965), a saddlery (1947), an auto repair shop, California Recycling Center (1996-2017), and other various grocery and retail stores. The Sacramento County Environmental Management Department issued a work plan request April 2022 which was submitted July 2022 and approved by SCEMD August 2022. The Site is currently occupied by two single story buildings, one of which is occupied by a former gas station.

San Diego County Department of Environmental Health (1 case)

30. City Ventures La Mesa

7601 University Avenue, La Mesa

Substance: Gasoline

Source: Tank

The release was discovered when petroleum was detected in soil during a Phase II ESA associated with planned site redevelopment in 2019. Five USTs (two 7,500-gallon, one 1,000-gallon, and two 500-gallon) were identified at the site. Four of the five USTs were removed in June 2022, with one of the 7,500-gallon USTs being closed-in-place because it extended under the public right-of-way. TPHg, BTEX, and naphthalene were detected in soil samples collected from the bottom of the UST cavity. Benzene concentrations exceeded 1,000 ug/L in a grab water sample collected from the UST excavation. The Underground Storage Tank Closure Reports were submitted to San Diego County Department of Environmental Health in April and May of 2022. A workplan for additional investigation and remedial excavation was submitted in

June 2022 and implemented in October 2022. San Diego Regional Water Quality Control Board required a Soil Management Plan and continued monitoring of indoor air as of January 2023. The Site is being redeveloped into ten tri-level, multi-family residential buildings.

San Mateo County Environmental Health Services (1 case)

31. 201 Cypress Avenue

201 Cypress Avenue, South San Francisco

Substance: Gasoline, Diesel

Source: Tank

The site at 201 Cypress Avenue and 204 Baden Avenue in South San Francisco includes two single-story commercial buildings, paved parking lots, and landscaping. 204 Baden Avenue houses an automotive repair shop, while 201 Cypress Avenue houses a yellow taxi business. In December 2021, Roux conducted a geophysical assessment to confirm the location of a known UST situated between the two addresses, which had been paved over with asphalt. The 8,000-gallon single walled steel UST tank, presumably unused for at least 30 years, was removed on July 11, 2022 under the oversight of the San Mateo County Environmental Health Services (SMCEHS). According to the October 19, 2022 removal report, uploaded to the San Mateo County Environmental Health Services website to report the release, holes were discovered in the tank's base and green-stained clay/soil with a petroleum odor was encountered. Soil samples indicated the presence of TPH-g (up to 1,000 mg/kg) & TPH-d (up to 670 mg/kg) above residential ESLs, along with groundwater contamination (benzene up to 1,200 ug/L) exceeding both residential and commercial ESLs. Soil with staining and petroleum odor was excavated and removed to the extent practicable following tank removal. A site investigation workplan was also submitted on October 19, 2022. The County requested the report by February 14, 2023, and it was submitted accordingly. The report mentioned potential for an offsite source of petroleum constituents in the groundwater. On March 7, 2023, the County of San Mateo requested additional grab groundwater samples to confirm whether the release originated offsite or to fully characterize the onsite source. The workplan for additional groundwater investigation was submitted on May 26, 2023 and was approved by San Mateo County on June 28, 2023.

Solano County Environmental Health (2 case)

32. Tradewinds Mobile Home

271 Lincoln Road West, Vallejo

Substance: Gasoline, Diesel, Motor Oil

Source: Tank

The release was discovered during the removal of two 500-gallon USTs and associated piping on October 5 & 6, 2021. An Unauthorized Release Report was submitted to the Solano County Environmental Health Services on September 22, 2022. The tanks are believed to have been used for heating oil, diesel, and gasoline by the previous property owner. According to the April 2022 tank removal report, the first tank is believed to be from 1957/58 and last used in the 1970s for gasoline storage. Second tank was discovered during the first tank's removal. Both tanks were observed to be corroded, however, Tank 2 was more weathered with several holes. Stained and odorous soil was observed in the tank pit excavation and soil samples detected a release of gasoline and diesel with TPHg up to 1,300mg/kg and TPHd up to 1,500mg/kg, with

lesser TPHmo up to 500 mg/kg. Due to the age of the tanks and time since their use, the lab analyzed the aging pattern of the substances and determined the first tank likely contained gasoline or kerosene while the second tank contained diesel which after degradation became oil range compounds. The tank pit was over-excavated and approximately 20 cubic yards of soil was disposed of. Solano County forwarded the case to the SF Water Board in September 2022. On February 27, 2023, the SF Water Board requested a site investigation workplan which was submitted on April 28, 2023. The site is currently in use as a mobile home park with on-site office/maintenance structures used by the property management.

33. UPS - Cordelia

5000 W Cordelia Road, Fairfield

Substance: Diesel

Source: Tank

The release was discovered when petroleum contamination was detected in samples collected as part of the July 2022 removal of one 10,000-gallon single-walled diesel UST. Used for fueling of fleet delivery vehicles, the UST had previously been used to store gasoline from 1985 to 2009. Upon removal, the UST was noted to be in good condition. The UST Removal Report was sent to Solano County Environmental Health on August 12, 2022 who referred the case to the SF Regional Board in August 2022. The SF Water Board requested additional sampling to characterize the source and extent of the release. The site is occupied by an industrial warehouse.

Old Discoveries (Old Release) – 8 cases

Glendale Fire Department (1 case)

34. Grayson Power Plant

800 Air Way, Glendale

Substance: Diesel

Source: Unknown

The site housed a former underground fuel bunker, which was discovered to have a fuel release during a 1989 assessment by the City of Glendale and Glendale Water and Power (GWP). High TRPH concentrations (up to 19,000 mg/kg) were found in the soil at depths of 20-35 feet bgs. The now inactive bunker was certified clean in 2007 after being emptied. Further assessment dated November 1, 2022 confirmed TPHd in the soil at up to 11,000 mg/kg which was submitted to the Glendale Fire Department. The Glendale Fire Department referred the case to the LA Water Board on March 14, 2023, along with an unauthorized release report. The Site still houses the sealed underground fuel storage bunker and above ground it consists of access roads and substantial concrete columns supporting a freeway overpass. It is currently marked eligible for closure in GeoTracker.

Los Angeles City Fire Department (2 cases)

35. Los Angeles County Department of Public Works

1060 Vignes St N, Los Angeles

Substance: Gasoline, Diesel, Motor Oil

Source: Tank

Two 1,000-gallon and one 100-gallon single walled USTs were discovered during redevelopment of the site for homeless housing. The 100-gallon UST was noted to be in poor condition and open on both ends, the 1,000-gallon UST was noted to be in fair condition. The USTs were

removed in November 2020 and an unknown amount of soil was additionally excavated. Soil samples were taken at the bottom of each UST excavation where TPHg, TPHd, and TPHmo were detected. The Underground Storage Tank Closure Report dated December 8, 2020 was submitted to the Los Angeles Fire Department and on March 7, 2022 the LAFD referred the case to the LA Water Board. A request for additional information was issued on April 11, 2022 which was provided on May 11, 2022.

36. Gasoline Service Station Former 739 Union Ave S, Los Angeles

Substance: Gasoline, Diesel

Source: Unknown

The site has seen two generations of service stations. The first generation operated from 1931 to 1956, while the second generation, owned by the Standard Oil Company and later Chevron Company USA, ran from 1961 to 1983. Records from March 16, 1956, show that the first-generation service station had six USTs ranging from 120 gallons to 1,000 gallons, which were abandoned in place and filled with rotary mud or sand. Documentation from the Los Angeles Fire Department confirms that the second-generation USTs included three steel single-walled tanks with capacities of 2,000, 5,000, and 7,500 gallons, containing gasoline, and one 500-gallon steel single-walled waste-oil UST. The second-generation USTs were removed in 1982 without any reported evidence of tank damage causing a release and the former gas station was demolished in 1983. A Phase II site assessment in November 1997 revealed a release when soil samples in the vicinity of the previous USTs detected TPHg and BTEX. Another Phase II site assessment conducted in May 2011 found TPHg, TPHd, and BTEX in the soil and groundwater at the same locations sampled in the 1997 Phase II report.

The Phase I, Phase II, and Soil and Groundwater Assessment reports were submitted to the Los Angeles Fire Department to report the release and on August 15, 2022, the LA Fire Department referred the case to the LA Water Board due to concerns about soil and groundwater impacts. On August 26, 2022, the LA Water Board issued a request for additional information, to which Arcadis responded with historical tank and release information on October 21, 2022. A request for a site assessment workplan was issued by the LA Water Board on August 7, 2023. Presently, the site is being used as a retail strip mall housing a Donut Shop, Dentist, Coin Operated Laundromat, a retail cellular phone store, and several restaurants.

Los Angeles County Department of Public Works (2 cases)

37. Former Accurate Plating Facility 1637 N. Indiana St, Los Angeles

Substance: Gasoline

Source: Unknown

The site's history is closely linked to 2811 Alcazar Street (the Alcazar Site) because Accurate Plating has been a significant operator at both locations. Accurate Plating managed the former gasoline UST and conducted plating activities at this site. In contrast, several industrial companies, including those that utilized chemicals including solvents and gasoline, operated at the Alcazar Site and its former address at 1621 North Indiana Street. In December 1995, during a 1,000-gallon gasoline tank and piping removal a release was discovered. Soil samples confirmed the presence of petroleum constituents and CVOCs. Since Accurate Plating ceased operations at the site in 1988, various soil, soil vapor, and groundwater investigations were

conducted to determine the extent of contamination with CVOCs as main driver. It was estimated that 592 pounds of gasoline were estimated to have been released from the UST but the CVOCs, principally PCE in the groundwater, were migrating beneath the site from an upgradient source. Further indoor air sampling investigations in March 2022 recommended transferring the case from the Site Cleanup Program to the UST Program to align with the SWRCB's low-risk closure policy and ensure proper reimbursements for the owner. The transfer took place on August 10, 2022, following SCP's referral.

Five USTs have been historically listed for the site that were not associated with this reported release and were likely associated with 1621 North Indiana Street. Accurate Plating, the UST operator, used 1637 North Indiana Street as a mailing address. They registered USTs with the State when vacating the subject site in 1988, and the UST status remains active, as confirmed by a Limited Phase I in 2007. A geophysical survey in 2009 also indicated no USTs at the site.

38. Former Infinity Outdoor Facility 1731 Workman St, Los Angeles

Substance: Gasoline Source: Tank, Dispenser

The CBS Outdoor Inc. (COI) facility, in use for billboard fabrication and maintenance since 1965, comprises four buildings: an office building, a production building, a welding shop, and a vehicle maintenance workshop. In 1992, the Gannett Company, the facility's owner and operator, removed several tanks, including a 500-gallon waste oil, a 25,000-gallon gasoline, a 12,000-gallon diesel, a 7,500-gallon diesel, and a 10,000-gallon gasoline UST. A site assessment in 1993 found soil and groundwater contamination by gasoline, with halogenated volatile organic compounds and hexavalent chromium in groundwater but not soil. The Site Assessment Report dated January 31, 1994 was submitted to the Los Angeles Regional Water Quality Control Board (LARWQB) on May 23, 1994. Soil vapor extraction and air sparge/soil vapor extraction (SVE) remediation were implemented in 1998 and 2012. The Site Cleanup Program determined the hexavalent chromium and CVOc groundwater contamination originated from an upgradient Chromal Plating facility. The SCP referred the case to the Underground Storage Tank Program on December 7, 2022. A case specific to the UST release was opened by the LARWQB December 22, 2022 and a preclosure letter was issued on April 12, 2023, with no comments received. The LA Water Board issued a well destruction request on June 23, 2023. Planned site use remains as current.

San Bernardino County Fire Department (1 case)

39. Aiken Mine Aiken Mine Rd, Kelso

Substance: Diesel Source: Piping

The release was discovered during a preliminary site assessment conducted in January 2002 when surface soil samples reported concentrations of TPHd exceeding 10,000 mg/kg. A 2,000-gallon gasoline and a 5,000-gallon diesel UST were removed on January 12, 2009. There was no visual evidence of damage or leaking; however, the distribution lines were in poor condition and had evidence of damage. Approximately 500 cubic yards of soil were removed from beneath and around the USTs, along the distribution lines, and under one 500-gallon aboveground storage tank (AST) that was also removed concurrently. Samples collected during

excavation activities reported significant levels of TPHd, VOCs, and SVOCs under the former 5,000-gallon UST. Groundwater was not encountered and depth to groundwater is likely at least 100 ft bgs. The site is an abandoned mine facility in the northwestern quarter of the Mojave National Preserve. The San Bernardino County Fire Department Hazardous Materials Division was notified about the UST removals on November 13, 2008, but the case was not opened until June 2022. On August 27, 2022 a Conceptual Site Model and Case Closure Report was submitted to the Lahontan Regional Board. The Site is currently an abandoned mine facility located in an extremely remote rural area.

Santa Monica Fire Department (1 case)

40. Former Auto Repair Facility **1818-1824 Lincoln Boulevard, Santa Monica**

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

An approximately 25-year-old 550-gallon steel waste oil UST was removed from the site on September 25, 1985. The site was home to various auto repair shops from 1975 to 2010, however, at the time of removal, the facility was identified as "Globe Tire." In May 2009, a Phase-II assessment was conducted, involving soil sampling that revealed the presence of contaminants, specifically TPH-g, TPH-d, and TPH-o. The assessment recommended the removal of impacted soils, although there is no documented evidence indicating that this action was conducted. On August 9, 2022, a letter was issued, reporting groundwater impacts in the vicinity of the site. In response, the LA Water Board opened a case and requested additional information and data to better understand the nature and extent of the groundwater impacts. The site's current use has shifted to that of a small wholesale electrical and lighting business, and the RPs are not well-versed in environmental matters, environmental consulting firms, or the process of engaging a new environmental consulting firm. Consequently, they have requested an extension for the site assessment workplan's due date.

Solano County (1 case)

41. Benicia Arsenal - Building 154 – **943 Lincoln Street, Benecia**
Former Motor Test Shed /Paint Spray
Booth/Fuel Storage

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

The release was discovered in March 1999 when the excavation of seven test pits identified the presence of two gasoline USTs, one 10,000-gallon and one 7,000-gallon. A third UST suspected to TPHd and TPHmo were detected in soil samples from test pit excavations at 1,100 mg/kg and 8,790 mg/kg, respectively. Groundwater samples taken from pits reported TPHd, TPHg, TPHmo, and benzene above water quality objectives. The two USTs were removed in March 2002 and soil and groundwater samples were taken. A release was reported to the SF Water Board on July 6, 2022. Assessment activities related to the UST release (direct push borings for soil and groundwater samples) were included within an installation wide workplan addressing various active cases at the installation dated January 2023 and supplemented with addendum dated

June 2023. The majority of the property has been redeveloped into refinery facilities and Interstate Highways 680 and 780 while the former arsenal property area was redeveloped into mixed land use, including residential, industrial, and vacant areas. Building 154 remains standing but is currently vacant.

Acronyms / Abbreviations

bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CAP	Corrective Action Plan
CSM	Conceptual Site Model
CUPA	Certified Unified Program Agency
CVOC	Chlorinated Volatile Organic Compounds
DRO	Diesel Range Organics
ESA	Environmental Site Assessment
ESLs	Environmental Screening Levels
GRO	Gasoline Range Organics
J-flag	Notes when a measured concentration is lower than the RL but above the MDL
LTCP	Low-Threat Closure Policy (i.e., California UST Low-Threat Case Closure Policy)
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
MTBE	Methyl tert-butyl ether
NFA	No Further Action
ORO	Oil Range Organics
PAHs	Polycyclic Aromatic Hydrocarbons
PCE	Tetrachloroethylene
PFAS	Per- and Polyfluorinated Substances
RAP	Remedial Action Plan
RP	Responsible Party
SVOCs	Semi-Volatiles Organic Compounds
TCE	Trichloroethylene
TPHd	Total Petroleum Hydrocarbons (diesel)
TPHg	Total Petroleum Hydrocarbons (gasoline)
TPHjf	Total Petroleum Hydrocarbons (jet fuel)
TPHmo	Total Petroleum Hydrocarbons (motor oil)
TPHo	Total Petroleum Hydrocarbons (oil)
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds
WQO	Water Quality Objective