

Semiannual Report Of UST Performance Measures
End Of Fiscal Year 2021 (October 1, 2020 – September 30, 2021)



National UST Program Cleaned Up Over 500,000 UST Releases

Thank you to our partners—states, territories, tribes, and industry—for cleaning up **502,786** UST releases since inception of the UST program. This impressive accomplishment is the result of our partners' unwavering dedication, creativity, and perseverance to protecting our country's environment and the health of people living in the United States. Congratulations on achieving this significant milestone. See the full report attached and www.epa.gov/ust/national-ust-program-cleans-over-500000-ust-releases for more information.

How is the underground storage tank (UST) program performing at the end of fiscal year (FY) 2021?

UST Program Measures	National Performance
UST Universe – Petroleum And Hazardous Substance Tank Systems (page 1)	
Petroleum USTs regulated by EPA's UST program (as of September 2021)	539,610 active USTs at approximately 193,000 facilities
UST Inspections (page 3)	
On-site inspections at federally-regulated UST facilities (between October 2020 and September 2021)	86,625 total
UST Technical Compliance Measure (page 4)	
Technical compliance rate (TCR) (between October 2020 and September 2021)	57.8%
UST Significant Operational Compliance Measure (page 8)	
Significant operational compliance (SOC) rate (between October 2020 and September 2021)	68.1%
UST Additional Compliance Measures (page 11) (between October 2020 and September 2021)	
Class A and B operator training requirements	86.6%
Financial responsibility requirements	88.4%
Walk through requirements	77.6%
LUST Corrective Action Measures (page 13)	
Confirmed releases (between October 2020 and September 2021)	4,991 (includes 8 in Indian country) • cumulative since 1984 inception of the program = 564,767
Cleanups completed (between October 2020 and September 2021)	7,271 (includes 9 in Indian country) • cumulative since 1984 inception of the program = 502,786
Releases remaining to be cleaned up (as of September 2021)	61,981

Why are some states reporting significant operational compliance (SOC) and others are reporting technical compliance rate (TCR)?

Through October 2021, states, territories, and the District of Columbia (hereafter referred to as states) reported on either SOC measures or TCR measures, depending on their state's regulatory compliance dates. After October 2021, EPA will no longer report SOC performance measures in our semiannual UST performance report. In October 2018, EPA updated our existing compliance performance measures and added new measures. Reporting changes are the result of the 2015 federal UST regulation that increased emphasis on properly operating and maintaining UST equipment. For more information, see EPA's technical compliance rate performance measures website www.epa.gov/ust/technical-compliance-rate-tcr-performance-measures.

What are the definitions for the UST performance measures?

The most current definitions for the UST performance measures are available on EPA's UST performance website www.epa.gov/ust/ust-performance-measures under **Definitions**.

Where does EPA get the performance data?

Twice each year, EPA collects data from states regarding underground storage tank performance measures and makes the data publicly available. EPA directly provides data on work in Indian country, since the Agency implements the program there. These data include information such as the number of active and closed petroleum tanks and hazardous substance tanks, releases confirmed, cleanups initiated and completed, and inspections conducted. The data also include the percentage of facilities in significant operational compliance and those in compliance with UST technical requirements, operator training, financial responsibility, and walk-through requirements. EPA compiles the data and presents it in table format for all states and Indian country.

Where can I find performance data from previous years?

EPA's UST performance measures website www.epa.gov/ust/ust-performance-measures provides the most current report, as well as historical reports beginning with FY 1988, the first year EPA reported UST data. Reports are listed beginning with the most recent first.

For more information, contact Susan Burnell of EPA's Office of Underground Storage Tanks at burnell.susan@epa.gov or 202-564-0766.

UST Universe – Petroleum and Hazardous Substance UST Systems for End-of-Year FY 2021
(Cumulative through September 30, 2021)

Region	State	Number of Active Petroleum UST Systems	Number of Closed Petroleum UST Systems	Number of Active Hazardous Substance UST Systems	Number of Closed Hazardous Substance UST Systems	Total Active UST Systems	Total Closed UST Systems
State Data by Region							
1	CT	5,449	29,600	17	813	5,466	30,413
	MA	8,369	27,699	72	741	8,441	28,440
	ME	2,096	14,483	0	170	2,096	14,653
	NH	2,177	12,731	14	157	2,191	12,888
	RI	1,086	9,167	1	272	1,087	9,439
	VT	1,633	6,621	15	58	1,648	6,679
Region Subtotal		20,810	100,301	119	2,211	20,929	102,512
2	NJ	12,528	63,931	354	5,113	12,882	69,044
	NY	21,977	111,674	323	1,251	22,300	112,925
	PR	4,446	5,886	1	148	4,447	6,034
	VI	133	293	0	0	133	293
Region Subtotal		39,084	181,784	678	6,512	39,762	188,296
3	DC	532	3,582	2	111	534	3,693
	DE	1,133	7,710	2	93	1,135	7,803
	MD	6,830	37,807	7	275	6,837	38,082
	PA	21,351	69,913	54	2,467	21,405	72,380
	VA	17,768	64,408	24	898	17,792	65,306
	WV	3,904	21,913	3	182	3,907	22,095
Region Subtotal		51,518	205,333	92	4,026	51,610	209,359
4	AL	16,240	31,586	13	175	16,253	31,761
	FL	22,774	114,390	19	176	22,793	114,566
	GA	29,234	53,345	36	330	29,270	53,675
	KY	9,207	41,709	25	333	9,232	42,042
	MS	7,916	24,500	13	42	7,929	24,542
	NC	23,676	73,360	46	1,265	23,722	74,625
	SC	11,113	34,886	13	346	11,126	35,232
	TN	16,078	41,811	14	423	16,092	42,234
Region Subtotal		136,238	415,587	179	3,090	136,417	418,677
5	IL	18,196	64,602	189	2,081	18,385	66,683
	IN	13,235	44,197	29	697	13,264	44,894
	MI	17,656	73,108	452	1,317	18,108	74,425
	MN	12,623	34,514	45	409	12,668	34,923
	OH	20,888	54,659	95	659	20,983	55,318
	WI	13,373	72,153	57	854	13,430	73,007
Region Subtotal		95,971	343,233	867	6,017	96,838	349,250
6	AR	8,557	22,298	0	42	8,557	22,340
	LA	10,195	37,066	16	14	10,211	37,080
	NM	3,005	13,975	2	118	3,007	14,093
	OK ¹	8,352	22,653	DNA	DNA	8,352	22,653
	TX	47,751	128,082	62	476	47,813	128,558
Region Subtotal		77,860	224,074	80	650	77,940	224,724

UST Universe – Petroleum and Hazardous Substance UST Systems for End-of-Year FY 2021
(Cumulative through September 30, 2021)

Region	State	Number of Active Petroleum UST Systems	Number of Closed Petroleum UST Systems	Number of Active Hazardous Substance UST Systems	Number of Closed Hazardous Substance UST Systems	Total Active UST Systems	Total Closed UST Systems
7	IA	6,432	24,399	25	172	6,457	24,571
	KS	7,168	21,970	8	50	7,176	22,020
	MO	8,504	33,609	20	392	8,524	34,001
	NE	6,206	15,813	2	34	6,208	15,847
Region Subtotal		28,310	95,791	55	648	28,365	96,439
8	CO	6,964	24,980	10	308	6,974	25,288
	MT	2,589	11,653	5	96	2,594	11,749
	ND	2,235	7,836	0	41	2,235	7,877
	SD	3,014	7,328	40	479	3,054	7,807
	UT	3,590	14,406	0	101	3,590	14,507
	WY	1,590	8,651	6	23	1,596	8,674
Region Subtotal		19,982	74,854	61	1,048	20,043	75,902
9	AS	3	65	0	0	3	65
	AZ	5,721	23,560	6	94	5,727	23,654
	CA	37,016	136,503	544	22,082	37,560	158,585
	CNMI	59	77	0	0	59	77
	GU	241	507	2	0	243	507
	HI	1,326	5,724	0	21	1,326	5,745
	NV	3,952	7,995	14	29	3,966	8,024
Region Subtotal		48,318	174,431	566	22,226	48,884	196,657
10	AK	877	6,953	1	22	878	6,975
	ID	2,981	11,614	6	34	2,987	11,648
	OR	5,384	27,195	7	155	5,391	27,350
	WA	9,853	38,121	8	629	9,861	38,750
Region Subtotal		19,095	83,883	22	840	19,117	84,723
Indian Country Data							
Region 1		13	6	0	0	13	6
Region 2		171	54	0	0	171	54
Region 4		61	80	0	0	61	80
Region 5		399	1,109	3	3	402	1,112
Region 6		301	254	0	0	301	254
Region 7		74	109	0	0	74	109
Region 8		467	1,919	0	8	467	1,927
Region 9		592	1,491	1	7	593	1,498
Region 10		346	1,215	0	23	346	1,238
Indian Country Total		2,424	6,237	4	41	2,428	6,278
National Data							
National Total		539,610	1,905,508	2,723	47,309	542,333	1,952,817

¹DNA = Data Not Available. OK Corporation Commission (OCC) does not collect hazardous substance UST data in OK.

Note: active UST system counts are calculated values from reported total UST systems minus the number of reported closed UST systems.

Note: there are no tribal USTs in EPA Region 3.

UST Inspections for End-of-Year FY 2021
(October 1, 2020 – September 30, 2021)

Region	State	Number of On-Site Inspections Conducted
State Data by Region		
1	CT	820
	MA	984
	ME	1,287
	NH	370
	RI	231
	VT	264
Region Subtotal		3,956
2	NJ	1,221
	NY	2,440
	PR	437
	VI	0
Region Subtotal		4,098
3	DC	68
	DE	162
	MD	1,203
	PA	2,579
	VA	1,584
	WV	499
Region Subtotal		6,095
4	AL	2,370
	FL	4,003
	GA	3,168
	KY	1,774
	MS	1,051
	NC	3,412
	SC	3,241
	TN	2,202
Region Subtotal		21,221
5	IL	3,452
	IN	1,035
	MI	3,116
	MN	1,061
	OH	2,744
	WI	3,050
Region Subtotal		14,458
6	AR	1,413
	LA	1,315
	NM	240
	OK	3,144
	TX	5,845
Region Subtotal		11,957
7	IA	1,269
	KS	500
	MO	740
	NE	748
Region Subtotal		3,257

Region	State	Number of On-Site Inspections Conducted
8	CO	1,024
	MT	413
	ND	323
	SD	547
	UT	896
	WY	326
Region Subtotal		3,529
9	AS	3
	AZ	912
	CA	13,340
	CNMI	15
	GU	0
	HI	206
	NV	1,251
Region Subtotal		15,727
10	AK	157
	ID	402
	OR	168
	WA	1,316
Region Subtotal		2,043
Indian Country Data		
Region 1		0
Region 2		29
Region 4		3
Region 5		40
Region 6		0
Region 7		11
Region 8		67
Region 9		87
Region 10		47
Indian Country Subtotal		284
National Data		
National Total		86,625

Note: there are no tribal USTs in EPA Region 3.

UST Technical Compliance Rate Measures for End-of-Year FY 2021
(October 1, 2020 - September 30, 2021)

Region	State	% in Compliance with 2015 Spill Prevention Requirements	% in Compliance with 2015 Overfill Prevention Requirements	% in Compliance with 2015 Corrosion Protection Requirements	% in Compliance with 2015 Release Detection Requirements	% of UST Facilities meeting the Technical Compliance Rate (in compliance with all TCR categories)
State Data by Region						
1	CT	N/A	N/A	N/A	N/A	N/A
	MA	N/A	N/A	N/A	N/A	N/A
	ME	N/A	N/A	N/A	N/A	N/A
	NH	N/A	N/A	N/A	N/A	N/A
	RI	N/A	N/A	N/A	N/A	N/A
	VT ¹	34%	30%	92%	76%	26%
Region Subtotal		34%	30%	92%	76%	26%
2	NJ	99%	95%	98%	86%	82%
	NY	N/A	N/A	N/A	N/A	N/A
	PR	50%	49%	94%	55%	32%
	VI	N/A	N/A	N/A	N/A	N/A
Region Subtotal		86%	83%	97%	78%	69%
3	DC	N/A	N/A	N/A	N/A	N/A
	DE	N/A	N/A	N/A	N/A	N/A
	MD	N/A	N/A	N/A	N/A	N/A
	PA	N/A	N/A	N/A	N/A	N/A
	VA	53%	45%	88%	46%	29%
	WV	82%	76%	92%	76%	60%
Region Subtotal		58%	51%	89%	51%	35%
4	AL	72%	63%	81%	49%	33%
	FL ¹	83%	83%	100%	76%	69%
	GA	58%	56%	65%	57%	42%
	KY	80%	77%	88%	79%	59%
	MS	N/A	N/A	N/A	N/A	N/A
	NC	79%	82%	89%	72%	57%
	SC	71%	63%	84%	69%	45%
	TN	N/A	N/A	N/A	N/A	N/A
Region Subtotal		73%	70%	83%	66%	51%
5	IL	94%	94%	95%	39%	36%
	IN ²	DNA	DNA	DNA	DNA	DNA
	MI	68%	69%	80%	78%	68%
	MN	N/A	N/A	N/A	N/A	N/A
	OH	57%	56%	92%	57%	47%
	WI	98%	92%	97%	64%	60%
Region Subtotal		77%	76%	91%	59%	52%
6	AR	N/A	N/A	N/A	N/A	N/A
	LA	N/A	N/A	N/A	N/A	N/A
	NM	84%	81%	89%	76%	67%
	OK	91%	91%	83%	64%	54%
	TX	92%	92%	92%	86%	83%
Region Subtotal		91%	91%	91%	82%	78%
7	IA	N/A	N/A	N/A	N/A	N/A
	KS	N/A	N/A	N/A	N/A	N/A
	MO	97%	99%	82%	96%	75%
	NE	N/A	N/A	N/A	N/A	N/A
Region Subtotal		97%	99%	82%	96%	75%

UST Technical Compliance Rate Measures for End-of-Year FY 2021
(October 1, 2020 - September 30, 2021)

Region	State	% in Compliance with 2015 Spill Prevention Requirements	% in Compliance with 2015 Overfill Prevention Requirements	% in Compliance with 2015 Corrosion Protection Requirements	% in Compliance with 2015 Release Detection Requirements	% of UST Facilities meeting the Technical Compliance Rate (in compliance with all TCR categories)
8	CO	98%	97%	99%	98%	91%
	MT	N/A	N/A	N/A	N/A	N/A
	ND	63%	63%	93%	61%	47%
	SD	N/A	N/A	N/A	N/A	N/A
	UT	96%	93%	99%	86%	80%
	WY	99%	99%	99%	96%	93%
Region Subtotal		92%	91%	98%	89%	82%
9	AS	N/A	N/A	N/A	N/A	N/A
	AZ	78%	79%	88%	69%	64%
	CA ¹	85%	90%	96%	69%	59%
	CNMI	93%	86%	93%	66%	66%
	GU ²	DNA	DNA	DNA	DNA	DNA
	HI	87%	80%	100%	58%	52%
	NV	81%	80%	98%	39%	26%
Region Subtotal		83%	87%	95%	66%	57%
10	AK	57%	69%	97%	85%	56%
	ID	N/A	N/A	N/A	N/A	N/A
	OR	58%	63%	82%	61%	35%
	WA	86%	84%	89%	76%	63%
Region Subtotal		75%	76%	87%	72%	53%
Indian Country Data						
Region 1 ²		DNA	DNA	DNA	DNA	DNA
Region 2		62%	62%	79%	62%	62%
Region 4		100%	100%	100%	33%	33%
Region 5		68%	73%	89%	68%	62%
Region 6 ²		DNA	DNA	DNA	DNA	DNA
Region 7		45%	73%	73%	9%	0%
Region 8		43%	48%	78%	36%	13%
Region 9		60%	69%	84%	75%	49%
Region 10		62%	53%	94%	57%	45%
Indian Country		59%	63%	85%	57%	42%
National Data						
National Total		78.9%	77.9%	89.1%	68.7%	57.8%

Note: compliance measures track the percentage of recently inspected facilities in compliance with federal performance standards. States have different approaches to targeting inspections (i.e., non-compliant facilities or random inspections). EPA updated the compliance measures to track compliance for provisions in the updated 2015 federal regulation. States will switch from tracking compliance against the significant operational compliance (SOC) measures to the technical compliance rate (TCR) measures as they pass the compliance dates in the states' updated regulations. During the transition from SOC to TCR, this TCR table will list the states that are still reporting SOC as N/A (not applicable). See the SOC chart for the compliance data for states listed as N/A on this table. The TCR measures generally show compliance for the last 12 months. However, as states transition to TCR, they will begin by reporting on a shorter timeframe, at most six months; some will even be less due to compliance dates or timeframe to enable system updates for tracking compliance.

Note: there are no tribal USTs in EPA Region 3.

¹States reporting based on requirements more stringent than the federal TCR requirements. See pages 6-7 for description of state regulations more stringent than the federal TCR requirements.

²DNA = Data Not Available. States/EPA Regions (Indian country) that have passed the compliance dates for their updated regulations must begin reporting TCR. However, EPA Regions 1 and 6 and Guam had not conducted inspections in the last 12 months in part due to COVID restrictions and had no compliance data to report for End-of-Year FY 2021. IN was not able to report TCR at End-of-Year FY 2021.

States with Requirements More Stringent Than the Federal Technical Compliance Rate Requirements

CALIFORNIA

- UST compliance inspections performed once every 12 months.
- Field constructed USTs are regulated as non-field constructed USTs.

Spill Prevention:

- Spill prevention testing performed every 12 months.
- Spill prevention contains at least five gallons with method to empty container.

Corrosion Protection:

- Interior lining and monitoring well required for single-walled steel USTs.
- Cathodic protection system records maintained for 78 months.

Release Detection:

- Automatic line leak detectors on double-walled pressurized pipe, other than emergency generators, must restrict or shut off flow of product when a leak is detected.
- Automatic line leak detectors on single-walled pressurized pipe, other than emergency generators, must shut down the pump when a leak is detected or leak detector is disconnected.
- All hazardous substance UST systems are continuously monitored.
- Petroleum UST systems installed after January 1, 1984 required to be double-walled, continuously monitored and cathodically protected.
- Continuously monitored under-dispenser containment required on all dispensers since December 31, 2003.
- Secondary containment testing required for tanks, piping, under-dispenser containment and sumps for systems installed between January 1, 1984 and June 30, 2004 since 2003.
- Secondary containment systems installed after July 1, 2004:
 - require continuous monitoring of the primary and secondary containment by vacuum, pressure or hydrostatic pressure, with monitoring equipment certified every 12 months;
 - have no exemption for safe suction piping;
 - must be capable of detecting liquid or vapor phase releases; and
 - are designed to prevent any water intrusion.
- All release detection and secondary containment records maintained for 36 months.

FLORIDA

Release Detection:

- Groundwater and vapor monitoring plus SIR are not allowed unless approved by FDEP.

VERMONT

Spill Prevention:

- All tanks must have spill containment, regardless of the volume transferred at any one time.
- Spill containment devices installed or replaced after July 1, 2007 shall have a minimum capacity of 15 gallons and not be equipped with a drain valve (though not sure these would affect TCR).

Corrosion Protection:

- Systems using field-installed anodes must be CP tested at least annually after the initial test.
- Systems using impressed current shall be inspected and tested at least annually.

Release Detection:

- Any dispenser sump installed after July 1, 2007 must be monitored interstitially.
- Inventory monitoring is required for all federally-regulated motor fuel tanks, and records maintained onsite.
- Weekly monitoring required for tank and piping. Records must be available for the 2 most recent consecutive months and for 8 of the last 12 months.
- Inventory control /Tank Tightness Testing (TTT) not allowed as a release detection method after 6/30/98.

UST Significant Operational Compliance Measures for End-of-Year FY 2021
(October 1, 2020 - September 30, 2021)

Region	State	% in Significant Operational Compliance with Release Prevention Regulations	% in Significant Operational Compliance with Release Detection Regulations	% of UST Facilities in SOC w/UST Release Detection and Release Prevention
State Data by Region				
1	CT ¹	94%	95%	91%
	MA	87%	65%	60%
	ME	81%	64%	54%
	NH	65%	55%	41%
	RI ¹	67%	58%	46%
	VT	N/A	N/A	N/A
Region Subtotal		85%	72%	65%
2	NJ	N/A	N/A	N/A
	NY	85%	77%	72%
	PR	N/A	N/A	N/A
	VI ²	DNA	DNA	DNA
Region Subtotal		85%	77%	72%
3	DC	94%	94%	91%
	DE	95%	91%	90%
	MD	89%	91%	83%
	PA	65%	76%	55%
	VA	N/A	N/A	N/A
	WV	N/A	N/A	N/A
Region Subtotal		72%	80%	64%
4	AL	N/A	N/A	N/A
	FL	N/A	N/A	N/A
	GA	N/A	N/A	N/A
	KY	N/A	N/A	N/A
	MS	76%	78%	66%
	NC	N/A	N/A	N/A
	SC	N/A	N/A	N/A
	TN	92%	87%	75%
Region Subtotal		87%	84%	72%
5	IL	N/A	N/A	N/A
	IN	N/A	N/A	N/A
	MI	N/A	N/A	N/A
	MN	82%	83%	81%
	OH	N/A	N/A	N/A
	WI	N/A	N/A	N/A
Region Subtotal		82%	83%	81%
6	AR	65%	70%	54%
	LA	83%	66%	59%
	NM	N/A	N/A	N/A
	OK	N/A	N/A	N/A
	TX	N/A	N/A	N/A
Region Subtotal		75%	68%	57%

UST Significant Operational Compliance Measures for End-of-Year FY 2021
(October 1, 2020 - September 30, 2021)

Region	State	% in Significant Operational Compliance with Release Prevention Regulations	% in Significant Operational Compliance with Release Detection Regulations	% of UST Facilities in SOC w/UST Release Detection and Release Prevention
7	IA	87%	74%	66%
	KS	83%	96%	78%
	MO	N/A	N/A	N/A
	NE ¹	76%	74%	64%
Region Subtotal		82%	82%	70%
8	CO	N/A	N/A	N/A
	MT	90%	89%	82%
	ND	N/A	N/A	N/A
	SD	83%	80%	71%
	UT	N/A	N/A	N/A
	WY	N/A	N/A	N/A
Region Subtotal		86%	84%	76%
9	AS	100%	33%	33%
	AZ	N/A	N/A	N/A
	CA	N/A	N/A	N/A
	CNMI	N/A	N/A	N/A
	GU	N/A	N/A	N/A
	HI	N/A	N/A	N/A
	NV	N/A	N/A	N/A
Region Subtotal		100%	33%	33%
10	AK	N/A	N/A	N/A
	ID ¹	89%	84%	57%
	OR	N/A	N/A	N/A
	WA	N/A	N/A	N/A
Region Subtotal		89%	84%	57%
National Data				
National Total		80.9%	78.4%	68.1%

Note: compliance measures track the percentage of recently inspected facilities in compliance with federal performance standards. States have different approaches to targeting inspections (i.e., non-compliant facilities or random inspections). EPA updated the compliance measures to track compliance for provisions in the updated 2015 federal regulation. States will switch from tracking compliance against the significant operational compliance (SOC) measures to the technical compliance rate (TCR) measures as they pass the compliance dates in the states' updated regulations. During the transition from SOC to TCR, this SOC table will list the states that have switched to reporting TCR as N/A (not applicable). See the TCR table for the compliance data for states listed as N/A on this table. The SOC measures show compliance for the last 12 months.

Note: Indian country falls under the federal regulation. See the TCR pages for compliance data in Indian country.

¹States reporting based on requirements more stringent than the federal SOC requirements. See page 10 for description of state regulations more stringent than the federal SOC requirements.

²DNA = Data Not Available. VI did not conduct any inspections in the last 12 months and had no compliance data to report for End-of-Year FY 2021.

States With Requirements More Stringent Than The Federal Significant Operational Compliance Requirements

CONNECTICUT

Release Prevention: Operation and Maintenance of Cathodic Protection

- Lining not allowed.

Release Detection: Testing

- Tanks and piping require weekly and monthly monitoring for releases and records must be available (for 2 of the most recent consecutive months and for 8 of the last 12 months).
- Statistical Inventory Reconciliation (SIR) not allowed as a stand-alone method.

IDAHO

- Idaho measures compliance against the full state regulation not the SOC measures.

NEBRASKA

Release Prevention: Cathodic Protection

- All metal components in contact with any electrolyte must be cathodically protected.

Release Prevention: Reporting

- Owner/operator must submit monthly inventory monitoring reports to the state.

Release Prevention: Temporarily Closed Tanks

- Owner/operator must permanently close USTs that have been in temporary closed status for more than one year.

RHODE ISLAND

Release Prevention: Operation and Maintenance

- All tanks and piping are required to be tightness tested after a repair. No exemptions.

Release Prevention: Operation and Maintenance of Cathodic Protection

- Impressed current cathodic protection systems are required to be tested every 2 years.

Release Detection: Monitoring and Testing

- Records required for the past 36 months.
- Inventory control is required for all tanks (single-walled and double-walled).
- Tightness testing schedule is different than the federal requirement; it depends on the type of tank.
 - Tank tightness must be performed on all single walled tanks.
 - Tightness tests must be performed every 5 years after the installation of the ATG until the tank has been installed for 20 years and every 2 years thereafter.
 - Single-walled USTs installed for a period of 30 years have to be tightness tested annually beginning in 2015.
 - UST systems upgraded with interior lining and/or cathodic protections are not required to have an ATG for 10 years after the upgrade. Tank tightness testing must be conducted annually during these 10 years. After 10 years, an ATG is required and tank tightness testing must be performed every 5 years until the tank has been installed for 20 years and then every 2 years thereafter. The results of all tightness tests shall be maintained for 3 years beyond the life of the facility.
 - Tightness testing of UST and piping interstitial spaces is required when a system has been installed for a period of 20 years, and every 2 years thereafter.
- Groundwater or vapor monitoring not accepted as a method of leak detection.
- SIR not accepted.

UST Additional Compliance Measures for End-of-Year FY 2021
(October 1, 2020 – September 30, 2021)

Region	State	% in Compliance with A and B Operator Training Requirements	% in Compliance with Financial Responsibility Requirements ¹	% in Compliance with 2015 Walk Through Requirements
State Data by Region				
1	CT	98%	97%	97%
	MA	N/A	N/A	N/A
	ME	N/A	N/A	N/A
	NH	N/A	N/A	N/A
	RI	N/A	N/A	N/A
	VT	86%	99%	83%
Region Subtotal		95%	97%	94%
2	NJ	99%	98%	96%
	NY	N/A	N/A	N/A
	PR	46%	56%	66%
	VI	N/A	N/A	N/A
Region Subtotal		85%	87%	88%
3	DC	N/A	N/A	N/A
	DE	N/A	N/A	N/A
	MD	N/A	N/A	N/A
	PA	N/A	N/A	N/A
	VA	74%	75%	54%
	WV	93%	88%	83%
Region Subtotal		77%	77%	59%
4	AL	99%	100%	51%
	FL	93%	94%	92%
	GA	78%	76%	55%
	KY	81%	100%	76%
	MS	N/A	N/A	N/A
	NC	62%	91%	85%
	SC	97%	98%	79%
	TN	91%	100%	N/A
Region Subtotal		84%	92%	72%
5	IL	90%	91%	78%
	IN ²	DNA	DNA	DNA
	MI	63%	68%	63%
	MN	N/A	N/A	N/A
	OH	89%	93%	71%
	WI	94%	74%	91%
Region Subtotal		84%	82%	75%
6	AR	N/A	N/A	N/A
	LA	N/A	N/A	N/A
	NM	89%	87%	79%
	OK	95%	100%	75%
	TX	91%	91%	85%
Region Subtotal		91%	92%	83%

UST Additional Compliance Measures for End-of-Year FY 2021
(October 1, 2020 – September 30, 2021)

Region	State	% in Compliance with A and B Operator Training Requirements	% in Compliance with Financial Responsibility Requirements ¹	% in Compliance with 2015 Walk Through Requirements
7	IA	N/A	N/A	N/A
	KS	N/A	N/A	N/A
	MO	97%	97%	100%
	NE	N/A	N/A	N/A
Region Subtotal		97%	97%	100%
8	CO	96%	94%	100%
	MT	N/A	N/A	N/A
	ND	100%	100%	86%
	SD	N/A	N/A	N/A
	UT	96%	99%	94%
	WY	98%	100%	98%
Region Subtotal		97%	97%	96%
9	AS	N/A	N/A	N/A
	AZ	89%	62%	95%
	CA	88%	82%	79%
	CNMI	73%	86%	66%
	GU ²	DNA	100%	DNA
	HI	100%	97%	81%
	NV	95%	94%	51%
Region Subtotal		89%	81%	78%
10	AK	85%	93%	81%
	ID	95%	94%	71%
	OR	94%	97%	78%
	WA	91%	96%	91%
Region Subtotal		92%	96%	84%
Indian Country Data				
Region 1 ²		DNA	DNA	DNA
Region 2		73%	82%	59%
Region 4		100%	100%	100%
Region 5		84%	92%	78%
Region 6 ²		DNA	DNA	DNA
Region 7		91%	100%	27%
Region 8		55%	85%	46%
Region 9		67%	68%	54%
Region 10		77%	91%	69%
Indian Country Subtotal		71%	83%	60%
National Data				
National Total		86.6%	88.4%	77.6%

¹Financial responsibility requirements apply to petroleum USTs only, not hazardous substance USTs.

²DNA = Data Not Available. State/EPA Regions (Indian country) that have passed the compliance dates for their updated regulations must begin reporting the additional compliance measures. Guam and EPA Regions 1 and 6 did not conduct any inspections in the last twelve months and have no compliance data to report for End-of-Year FY 2021. Guam conducts a separate annual Financial Responsibility review as part of their permitting process. IN was not able to report on the additional compliance measures for End-of-Year FY 2021.

Note: there are no tribal USTs in EPA Region 3.

LUST Corrective Action Measures for End-of-Year FY 2021
(Cumulative through September 30, 2021)

Region	State	Confirmed Releases Actions This Year	Confirmed Releases Cumulative	Cleanups Initiated Cumulative	Cleanups Completed Actions This Year	Cleanups Completed Cumulative	Cleanups Backlog
State Data by Region							
1	CT	83	3,745	3,680	88	2,693	1,052
	MA	26	6,719	6,687	66	6,352	367
	ME	74	3,231	3,179	66	3,181	50
	NH	10	2,734	2,731	30	2,203	531
	RI	11	1,499	1,499	19	1,354	145
	VT	3	2,189	2,187	20	1,646	543
Region Subtotal		207	20,117	19,963	289	17,429	2,688
2	NJ	290	18,538	16,459	332	13,504	5,034
	NY	121	30,555	30,506	376	30,046	509
	PR	4	1,088	848	7	544	544
	VI	0	39	38	0	35	4
Region Subtotal		415	50,220	47,851	715	44,129	6,091
3	DC	18	1,028	969	16	917	111
	DE	15	2,969	2,921	32	2,929	40
	MD	88	12,907	12,907	89	12,587	320
	PA	231	18,369	18,315	316	15,290	3,079
	VA	131	12,881	12,698	144	12,577	304
	WV	32	3,825	3,820	50	3,377	448
Region Subtotal		515	51,979	51,630	647	47,677	4,302
4	AL	74	12,309	12,169	65	11,398	911
	FL	170	33,995	33,130	767	24,661	9,334
	GA	220	15,035	14,894	291	14,302	733
	KY	102	17,353	17,339	88	16,751	602
	MS	158	8,499	8,212	100	7,984	515
	NC	281	27,320	25,022	510	24,765	2,555
	SC	214	10,668	10,363	209	8,409	2,259
	TN	134	15,933	15,933	147	15,832	101
Region Subtotal		1,353	141,112	137,062	2,177	124,102	17,010
5	IL	389	26,493	25,511	338	21,199	5,294
	IN	130	10,571	10,149	293	9,655	916
	MI	201	23,971	23,323	157	15,713	8,258
	MN	108	12,404	12,271	141	12,053	351
	OH	393	33,452	32,831	427	31,601	1,851
	WI	61	19,864	19,713	143	19,311	553
Region Subtotal		1,282	126,755	123,798	1,499	109,532	17,223
6	AR	17	1,422	1,386	24	1,322	100
	LA	110	5,936	5,936	156	5,372	564
	NM	28	2,700	2,380	14	1,871	829
	OK	72	5,756	5,754	69	5,383	373
	TX	216	28,880	28,148	227	27,653	1,227
Region Subtotal		443	44,694	43,604	490	41,601	3,093

LUST Corrective Action Measures for End-of-Year FY 2021
(Cumulative through September 30, 2021)

Region	State	Confirmed Releases Actions This Year	Confirmed Releases Cumulative	Cleanups Initiated Cumulative	Cleanups Completed Actions This Year	Cleanups Completed Cumulative	Cleanups Backlog
7	IA	30	6,353	6,229	79	6,019	334
	KS	21	5,401	5,337	34	4,144	1,257
	MO	74	7,492	7,487	85	6,868	624
	NE	53	6,815	6,328	114	6,157	658
Region Subtotal		178	26,061	25,381	312	23,188	2,873
8	CO	222	9,498	9,029	267	9,079	419
	MT	24	3,191	3,086	40	2,514	677
	ND	5	906	880	4	869	37
	SD	22	2,908	2,769	34	2,819	89
	UT	54	5,280	5,187	75	5,012	268
	WY	4	2,813	2,801	41	2,245	568
Region Subtotal		331	24,596	23,752	461	22,538	2,058
9	AS	0	8	8	0	8	0
	AZ	78	9,383	9,312	142	9,035	348
	CA	39	44,505	43,903	345	42,337	2,168
	CNMI	0	15	15	0	14	1
	GU	0	147	147	3	136	11
	HI	16	2,194	2,153	13	2,085	109
	NV	14	2,637	2,637	26	2,528	109
Region Subtotal		147	58,889	58,175	529	56,143	2,746
10	AK	19	2,571	2,492	30	2,265	306
	ID	9	1,555	1,534	13	1,511	44
	OR	48	7,802	7,590	44	7,010	792
	WA	36	7,081	6,836	56	4,554	2,527
Region Subtotal		112	19,009	18,452	143	15,340	3,669
Indian Country Data							
Region 1		0	2	2	0	2	0
Region 2		0	8	8	0	7	1
Region 4		0	16	16	0	13	3
Region 5		3	260	234	3	193	67
Region 6		0	63	63	1	36	27
Region 7		0	24	24	1	17	7
Region 8		3	452	441	0	380	72
Region 9		2	310	300	2	264	46
Region 10		0	200	200	2	195	5
Indian Country		8	1,335	1,288	9	1,107	228
National Data							
National Total		4,991	564,767	550,956	7,271	502,786	61,981

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at https://www.epa.gov/sites/default/files/2018-04/documents/revised-ust-lust-perf-meas-defs_4-10-18.pdf

Note: there are no tribal USTs in EPA's Region 3.

Note: the LUST corrective action performance measures apply to petroleum USTs only, not hazardous substance USTs.

UST National Backlog: FY 1989 Through End-of-Year FY 2021

National Backlog (Confirmed Releases - Cleanups Completed)

