

## Semiannual Report Of UST Performance Measures End Of Fiscal Year 2019 (October 1, 2018 – September 30, 2019)

### Update Of Semiannual Report Of UST Performance Measures, End Of Fiscal Year 2019

In April 2020, EPA updated our end of fiscal year 2019 (FY 2019) semiannual report of underground storage tank (UST) performance measures to incorporate changes in Florida's reporting. EPA coordinated with Florida to update incomplete data corrections reported at the end of FY 2019. These changes include Florida's confirmed releases cumulative, cleanups initiated, cleanups completed cumulative, and cleanups backlog. To avoid confusion, EPA replaced the November 2019 version on our website with this April 2020 version. This update changes data on these pages:

- The table below on this cover page for LUST corrective action measures, specifically confirmed releases cumulative, cleanups completed cumulative, and releases remaining to be cleaned up
- Page 14 for Florida and Region 4 totals and page 15 for national totals of confirmed releases cumulative, cleanups initiated, cleanups completed cumulative, and cleanups backlog
- Page 16 UST national backlog chart for 2019

### How is the underground storage tank (UST) program performing at the end of fiscal year (FY) 2019?

UST Program Measures	National Performance
<b>UST Universe – Petroleum And Hazardous Substance Tank Systems (page 1)</b>	
Petroleum USTs regulated by EPA's UST program (as of September 2019)	<b>546,192</b> active USTs at approximately <b>197,000</b> facilities
<b>UST Inspections (page 3)</b>	
On-site inspections at federally-regulated UST facilities (between October 2018 and September 2019)	<b>87,371</b> total
<b>UST Technical Compliance Measure (page 4)</b>	
Technical compliance rate (TCR) (between October 2018 and September 2019)	<b>43.7%</b>
<b>UST Significant Operational Compliance Measure (page 8)</b>	
Significant operational compliance (SOC) rate (between October 2018 and September 2019)	<b>68.0%</b>
<b>UST Additional Compliance Measures (page 12) (between October 2018 and September 2019)</b>	
Class A and B operator training requirements	<b>86.6%</b>
Financial responsibility requirements	<b>90.5%</b>
Walk through requirements	<b>74.3%</b>
<b>LUST Corrective Action Measures (page 14)</b>	
Confirmed releases (between October 2018 and September 2019)	<b>5,375</b> (includes <b>10</b> in Indian country) • cumulative since 1984 inception of the program = <b>555,384</b>
Cleanups completed (between October 2018 and September 2019)	<b>8,358</b> (includes <b>23</b> in Indian country) • cumulative since 1984 inception of the program = <b>490,624</b>
Releases remaining to be cleaned up (as of September 2019)	<b>64,760</b>



## Why did EPA change the semiannual report and UST performance measures?

Effective with the 2019 mid-year semiannual UST performance report, EPA revised our semiannual report to reflect changes in reporting by states, territories, and the District of Columbia (hereafter referred to as states). In October 2018, EPA updated our existing compliance performance measures and added new measures. Many of the 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](http://www.epa.gov/ust/technical-compliance-rate-tcr-performance-measures).

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

Through October 2021, states will report on either SOC measures or TCR measures, depending on their state's regulatory compliance dates. After all states transition to reporting TCR measures, our semiannual UST performance report will no longer include SOC 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](http://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](http://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](mailto:burnell.susan@epa.gov) or 202-564-0766.



UST Universe - Petroleum and Hazardous Substance Tank Systems  
(Cumulative through September 30, 2019)

Region	State	Number of Active Petroleum Tank Systems	Number of Closed Petroleum Tank Systems	Number of Active Hazardous Substance Tank Systems	Number of Closed Hazardous Substance Tank Systems	Total Active UST Systems	Total Closed UST Systems
<b>State Data by Region</b>							
01	CT	5,643	28,590	13	821	5,656	29,411
	MA	8,444	27,407	77	736	8,521	28,143
	ME	2,223	14,238	0	170	2,223	14,408
	NH	2,705	12,715	18	158	2,723	12,873
	RI	1,352	9,027	1	272	1,353	9,299
	VT	1,704	6,522	0	58	1,704	6,580
<b>Region 1 Subtotal</b>		<b>22,071</b>	<b>98,499</b>	<b>109</b>	<b>2,215</b>	<b>22,180</b>	<b>100,714</b>
02	NJ	12,882	62,444	377	5,049	13,259	67,493
	NY	22,160	109,327	322	1,244	22,482	110,571
	PR	4,462	5,858	1	148	4,463	6,006
	VI	130	293	0	0	130	293
<b>Region 2 Subtotal</b>		<b>39,634</b>	<b>177,922</b>	<b>700</b>	<b>6,441</b>	<b>40,334</b>	<b>184,363</b>
03	DC	590	3,521	2	111	592	3,632
	DE	1,140	7,637	1	93	1,141	7,730
	MD	7,021	37,301	7	270	7,028	37,571
	PA	21,842	68,697	62	2,455	21,904	71,152
	VA	17,966	63,725	21	895	17,987	64,620
	WV	4,047	21,683	4	182	4,051	21,865
<b>Region 3 Subtotal</b>		<b>52,606</b>	<b>202,564</b>	<b>97</b>	<b>4,006</b>	<b>52,703</b>	<b>206,570</b>
04	AL	16,295	31,280	13	175	16,308	31,455
	FL	22,738	113,454	15	7	22,753	113,461
	GA	29,246	52,425	36	330	29,282	52,755
	KY	9,413	41,272	26	332	9,439	41,604
	MS	8,049	24,227	13	42	8,062	24,269
	NC	24,152	72,263	31	1,272	24,183	73,535
	SC	11,225	34,471	14	345	11,239	34,816
	TN	16,107	41,593	14	423	16,121	42,016
<b>Region 4 Subtotal</b>		<b>137,225</b>	<b>410,985</b>	<b>162</b>	<b>2,926</b>	<b>137,387</b>	<b>413,911</b>
05	IL	18,360	63,737	217	2,061	18,577	65,798
	IN	13,256	43,802	31	695	13,287	44,497
	MI <sup>1</sup>	17,638	72,438	DNA	DNA	17,638	72,438
	MN	12,529	34,134	46	408	12,575	34,542
	OH	20,979	53,080	98	502	21,077	53,582
	WI	13,540	71,175	65	842	13,605	72,017
<b>Region 5 Subtotal</b>		<b>96,302</b>	<b>338,366</b>	<b>457</b>	<b>4,508</b>	<b>96,759</b>	<b>342,874</b>
06	AR	8,578	22,140	0	42	8,578	22,182
	LA	10,422	36,620	16	14	10,438	36,634
	NM	3,541	13,155	4	113	3,545	13,268
	OK <sup>1</sup>	8,499	30,003	DNA	DNA	8,499	30,003
	TX	49,279	125,878	60	474	49,339	126,352
<b>Region 6 Subtotal</b>		<b>80,319</b>	<b>227,796</b>	<b>80</b>	<b>643</b>	<b>80,399</b>	<b>228,439</b>

UST Universe - Petroleum and Hazardous Substance Tank Systems  
(Cumulative through September 30, 2019)

Region	State	Number of Active Petroleum Tank Systems	Number of Closed Petroleum Tank Systems	Number of Active Hazardous Substance Tank Systems	Number of Closed Hazardous Substance Tank Systems	Total Active UST Systems	Total Closed UST Systems
07	IA	6,423	24,172	24	172	6,447	24,344
	KS	6,376	21,724	8	50	6,384	21,774
	MO	8,563	33,164	15	392	8,578	33,556
	NE	6,303	15,597	2	34	6,305	15,631
<b>Region 7 Subtotal</b>		<b>27,665</b>	<b>94,657</b>	<b>49</b>	<b>648</b>	<b>27,714</b>	<b>95,305</b>
08	CO	7,069	23,976	10	299	7,079	24,275
	MT	3,098	11,629	5	97	3,103	11,726
	ND	2,226	7,733	0	41	2,226	7,774
	SD	3,013	7,333	40	477	3,053	7,810
	UT	3,636	14,166	0	101	3,636	14,267
	WY	1,613	8,597	6	23	1,619	8,620
<b>Region 8 Subtotal</b>		<b>20,655</b>	<b>73,434</b>	<b>61</b>	<b>1,038</b>	<b>20,716</b>	<b>74,472</b>
09	AS	3	65	0	0	3	65
	AZ	5,842	22,936	7	90	5,849	23,026
	CA	36,057	134,919	1,454	22,168	37,511	157,087
	CNMI	64	72	0	0	64	72
	GU	269	506	2	0	271	506
	HI	1,516	5,668	0	21	1,516	5,689
	NV	3,867	7,845	14	29	3,881	7,874
<b>Region 9 Subtotal</b>		<b>47,618</b>	<b>172,011</b>	<b>1,477</b>	<b>22,308</b>	<b>49,095</b>	<b>194,319</b>
10	AK	919	6,896	1	22	920	6,918
	ID	3,414	11,541	2	35	3,416	11,576
	OR	5,421	26,914	9	153	5,430	27,067
	WA	9,891	37,829	184	630	10,075	38,459
<b>Region 10 Subtotal</b>		<b>19,645</b>	<b>83,180</b>	<b>196</b>	<b>840</b>	<b>19,841</b>	<b>84,020</b>
<b>Indian Country Data</b>							
Region 1		13	6	0	0	13	6
Region 2		166	54	0	0	166	54
Region 4		68	77	0	0	68	77
Region 5		425	1,076	3	3	428	1,079
Region 6		292	321	0	0	292	321
Region 7		79	100	0	0	79	100
Region 8		472	1,915	0	11	472	1,926
Region 9		587	1,491	0	3	587	1,494
Region 10		350	1,179	0	23	350	1,202
<b>Indian Country SubTotal</b>		<b>2,452</b>	<b>6,219</b>	<b>3</b>	<b>40</b>	<b>2,455</b>	<b>6,259</b>
<b>National Data</b>							
<b>National Total</b>		<b>546,192</b>	<b>1,885,633</b>	<b>3,391</b>	<b>45,613</b>	<b>549,583</b>	<b>1,931,246</b>

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

<sup>1</sup>DNA = Data Not Available. MI was unable to report closed hazardous substance tank system data for End-of-Year FY 2019. OK Corporation Commission (OCC) does not collect hazardous substance tank system data in OK.

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

UST Inspections for Fiscal Year 2019  
(October 1, 2018 - September 30, 2019)

Region	State	Number of On-Site Inspections Conducted
<b>State Data by Region</b>		
01	CT	582
	MA	1,786
	ME	858
	NH	420
	RI	271
	VT	347
<b>Region 1 Subtotal</b>		<b>4,264</b>
02	NJ	1,138
	NY	2,787
	PR	506
	VI	24
<b>Region 2 Subtotal</b>		<b>4,455</b>
03	DC	84
	DE	140
	MD	922
	PA	3,173
	VA	2,033
	WV	485
<b>Region 3 Subtotal</b>		<b>6,837</b>
04	AL	2,258
	FL	3,999
	GA	3,307
	KY	1,608
	MS	990
	NC	3,220
	SC	3,575
	TN	2,178
<b>Region 4 Subtotal</b>		<b>21,135</b>
05	IL	2,634
	IN	864
	MI	2,046
	MN	1,300
	OH	2,124
	WI	2,828
<b>Region 5 Subtotal</b>		<b>11,796</b>
06	AR	1,204
	LA	1,336
	NM	572
	OK	3,288
	TX	5,769
<b>Region 6 Subtotal</b>		<b>12,169</b>
07	IA	1,255
	KS	1,058
	MO	925
	NE	1,226
<b>Region 7 Subtotal</b>		<b>4,464</b>

Region	State	Number of On-Site Inspections Conducted
08	CO	1,271
	MT	458
	ND	242
	SD	437
	UT	917
	WY	325
<b>Region 8 Subtotal</b>		<b>3,650</b>
09	AS	3
	AZ	866
	CA	13,578
	CNMI	5
	GU	40
	HI	417
NV	1,078	
<b>Region 9 Subtotal</b>		<b>15,987</b>
10	AK	165
	ID	318
	OR	471
	WA	1,249
<b>Region 10 Subtotal</b>		<b>2,203</b>
<b>Indian Country Data</b>		
Region 1		4
Region 2		45
Region 4		3
Region 5		94
Region 6		46
Region 7		11
Region 8		53
Region 9		97
Region 10		58
<b>Indian Country Subtotal</b>		<b>411</b>
<b>National Data</b>		
<b>National Total</b>		<b>87,371</b>

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

UST Technical Compliance Rate Measures for Fiscal Year 2019  
(October 1, 2018 - September 30, 2019)

Region	Region or 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)
<b>State Data by Region</b>						
01	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	N/A	N/A	N/A	N/A	N/A
<b>Region 1 Subtotal</b>		<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
02	NJ	98%	96%	95%	87%	81%
	NY	N/A	N/A	N/A	N/A	N/A
	PR <sup>1</sup>	DNA	DNA	DNA	DNA	DNA
	VI	N/A	N/A	N/A	N/A	N/A
<b>Region 2 Subtotal</b>		<b>98%</b>	<b>96%</b>	<b>95%</b>	<b>87%</b>	<b>81%</b>
03	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	N/A	N/A	N/A	N/A	N/A
	WV	75%	74%	93%	67%	55%
<b>Region 3 Subtotal</b>		<b>75%</b>	<b>74%</b>	<b>93%</b>	<b>67%</b>	<b>55%</b>
04	AL	N/A	N/A	N/A	N/A	N/A
	FL <sup>2</sup>	66%	98%	99%	68%	53%
	GA	N/A	N/A	N/A	N/A	N/A
	KY	53%	43%	86%	75%	35%
	MS	N/A	N/A	N/A	N/A	N/A
	NC	65%	67%	86%	59%	41%
	SC	N/A	N/A	N/A	N/A	N/A
	TN	N/A	N/A	N/A	N/A	N/A
<b>Region 4 Subtotal</b>		<b>63%</b>	<b>75%</b>	<b>91%</b>	<b>65%</b>	<b>45%</b>
05	IL	66%	59%	91%	29%	23%
	IN	N/A	N/A	N/A	N/A	N/A
	MI <sup>1</sup>	85%	93%	81%	52%	DNA
	MN	N/A	N/A	N/A	N/A	N/A
	OH	53%	52%	91%	57%	45%
	WI	N/A	N/A	N/A	N/A	N/A
<b>Region 5 Subtotal</b>		<b>67%</b>	<b>67%</b>	<b>88%</b>	<b>46%</b>	<b>35%</b>
06	AR	N/A	N/A	N/A	N/A	N/A
	LA	N/A	N/A	N/A	N/A	N/A
	NM	N/A	N/A	N/A	N/A	N/A
	OK	64%	64%	81%	44%	33%
	TX	N/A	N/A	N/A	N/A	N/A
<b>Region 6 Subtotal</b>		<b>64%</b>	<b>64%</b>	<b>81%</b>	<b>44%</b>	<b>33%</b>
07	IA	N/A	N/A	N/A	N/A	N/A
	KS	N/A	N/A	N/A	N/A	N/A
	MO	N/A	N/A	N/A	N/A	N/A
	NE	N/A	N/A	N/A	N/A	N/A
<b>Region 7 Subtotal</b>		<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

UST Technical Compliance Rate Measures for Fiscal Year 2019  
(October 1, 2018 - September 30, 2019)

Region	Region or 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)
08	CO	N/A	N/A	N/A	N/A	N/A
	MT	N/A	N/A	N/A	N/A	N/A
	ND	N/A	N/A	N/A	N/A	N/A
	SD	N/A	N/A	N/A	N/A	N/A
	UT	66%	59%	82%	56%	47%
	WY	95%	95%	98%	96%	85%
<b>Region 8 Subtotal</b>		<b>75%</b>	<b>70%</b>	<b>87%</b>	<b>68%</b>	<b>59%</b>
09	AS <sup>1</sup>	DNA	DNA	DNA	DNA	DNA
	AZ	N/A	N/A	N/A	N/A	N/A
	CA <sup>2</sup>	84%	61%	99%	69%	41%
	CNMI <sup>1</sup>	DNA	DNA	DNA	DNA	DNA
	GU	97%	100%	100%	87%	87%
	HI	N/A	N/A	N/A	N/A	N/A
	NV	56%	39%	97%	27%	12%
<b>Region 9 Subtotal</b>		<b>81%</b>	<b>59%</b>	<b>99%</b>	<b>65%</b>	<b>38%</b>
10	AK	78%	80%	90%	75%	75%
	ID	N/A	N/A	N/A	N/A	N/A
	OR	N/A	N/A	N/A	N/A	N/A
	WA	N/A	N/A	N/A	N/A	N/A
<b>Region 10 Subtotal</b>		<b>78%</b>	<b>80%</b>	<b>90%</b>	<b>75%</b>	<b>75%</b>
<b>Indian Country Data</b>						
<b>Region 1</b>		25%	25%	100%	25%	0%
<b>Region 2<sup>1</sup></b>		DNA	DNA	DNA	DNA	DNA
<b>Region 4</b>		100%	100%	100%	33%	33%
<b>Region 5</b>		63%	59%	89%	65%	35%
<b>Region 6</b>		84%	89%	94%	80%	70%
<b>Region 7</b>		75%	63%	75%	38%	25%
<b>Region 8</b>		21%	21%	75%	66%	13%
<b>Region 9</b>		43%	48%	92%	87%	24%
<b>Region 10</b>		33%	47%	90%	59%	22%
<b>Indian Country Subtotal</b>		<b>49%</b>	<b>51%</b>	<b>88%</b>	<b>70%</b>	<b>29%</b>
<b>National Data</b>						
<b>National Total</b>		<b>71.2%</b>	<b>69.7%</b>	<b>91.4%</b>	<b>60.2%</b>	<b>43.7%</b>

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. The transition will continue through October 13, 2021. 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 will ultimately show compliance for the last twelve months. 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.

<sup>1</sup>DNA = Data Not Available. States/Regions (Indian country) that have passed the compliance dates for their updated regulations must begin reporting TCR. AS, CNMI, MI and PR are working to update their reporting systems to fully report TCR. EPA Region 2 was not able to report TCR at End-of-Year FY 2019 for Indian country.

<sup>2</sup>States 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.

## **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 by certified service technician with manufacturer training.
- Spill prevention testing recorded on regulatory prescribed forms.
- Spill prevention testing performed every 12 months.
- Spill prevention test results submitted to local agency within 30 days of testing.
- Spill prevention contains at least five gallons with method to empty container.

#### **Overfill Prevention:**

- Overfill prevention inspection performed by certified service technician with manufacturer training.
- Overfill prevention inspection recorded on regulatory prescribed forms.
- Overfill prevention inspection results submitted to local agency within 30 days of inspection.

#### **Corrosion Protection:**

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

#### **Release Detection:**

- Release detection and secondary containment testing performed by certified service technician with manufacturer training.
- Tank tightness testing performed by a state certified tank tester.
- Release detection and secondary containment testing recorded on regulatory prescribed forms.
- Release detection and secondary containment testing results submitted to local agency with 30 of testing.
- Automatic line leak detectors on double-walled pressurized pipe, other than emergency generators, must restrict or shut of 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 double-walled and 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.

UST Significant Operational Compliance Measures for Fiscal Year 2019  
(October 1, 2018 - September 30, 2019)

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
<b>State Data by Region</b>				
01	CT <sup>1</sup>	90%	90%	84%
	MA	77%	52%	48%
	ME	85%	77%	74%
	NH	62%	54%	40%
	RI <sup>1</sup>	81%	60%	57%
	VT <sup>1</sup>	87%	84%	82%
<b>Region 1 Subtotal</b>		<b>80%</b>	<b>67%</b>	<b>62%</b>
02	NJ	N/A	N/A	N/A
	NY	78%	67%	63%
	PR	N/A	N/A	N/A
	VI	100%	100%	100%
<b>Region 2 Subtotal</b>		<b>79%</b>	<b>67%</b>	<b>63%</b>
03	DC	96%	90%	88%
	DE	96%	94%	91%
	MD	84%	88%	77%
	PA	78%	82%	66%
	VA	84%	73%	65%
	WV	N/A	N/A	N/A
<b>Region 3 Subtotal</b>		<b>82%</b>	<b>80%</b>	<b>68%</b>
04	AL	58%	55%	38%
	FL	N/A	N/A	N/A
	GA	69%	63%	54%
	KY	N/A	N/A	N/A
	MS	82%	77%	69%
	NC	N/A	N/A	N/A
	SC	82%	76%	65%
	TN	93%	85%	76%
<b>Region 4 Subtotal</b>		<b>75%</b>	<b>69%</b>	<b>58%</b>
05	IL	N/A	N/A	N/A
	IN	83%	82%	79%
	MI	N/A	N/A	N/A
	MN	84%	86%	81%
	OH	N/A	N/A	N/A
	WI <sup>1</sup>	83%	67%	60%
<b>Region 5 Subtotal</b>		<b>83%</b>	<b>78%</b>	<b>73%</b>
06	AR	67%	74%	56%
	LA	87%	85%	77%
	NM	93%	93%	84%
	OK	N/A	N/A	N/A
	TX <sup>1</sup>	93%	91%	88%
<b>Region 6 Subtotal</b>		<b>89%</b>	<b>88%</b>	<b>82%</b>
07	IA	82%	65%	56%
	KS	55%	85%	49%
	MO <sup>1</sup>	75%	96%	72%
	NE <sup>1</sup>	80%	70%	62%
<b>Region 7 Subtotal</b>		<b>73%</b>	<b>80%</b>	<b>61%</b>

UST Significant Operational Compliance Measures for Fiscal Year 2019  
(October 1, 2018 - September 30, 2019)

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
08	CO	85%	78%	75%
	MT	90%	88%	79%
	ND	91%	89%	84%
	SD	80%	80%	68%
	UT	N/A	N/A	N/A
	WY	N/A	N/A	N/A
<b>Region 8 Subtotal</b>		<b>86%</b>	<b>82%</b>	<b>76%</b>
09	AS	N/A	N/A	N/A
	AZ	88%	69%	65%
	CA	N/A	N/A	N/A
	CNMI	N/A	N/A	N/A
	GU	N/A	N/A	N/A
	HI	88%	85%	73%
	NV	N/A	N/A	N/A
<b>Region 9 Subtotal</b>		<b>88%</b>	<b>72%</b>	<b>67%</b>
10	AK	N/A	N/A	N/A
	ID <sup>1</sup>	67%	62%	36%
	OR	89%	87%	79%
	WA	90%	81%	74%
<b>Region 10 Subtotal</b>		<b>86%</b>	<b>79%</b>	<b>69%</b>
<b>National Data</b>				
<b>National Total</b>		<b>81.2%</b>	<b>77.0%</b>	<b>68.0%</b>

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. The transition will continue through October 13, 2021. 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 twelve months.

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

<sup>1</sup>States reporting based on requirements more stringent than the federal SOC requirements. See pages 10-11 for description of state regulations more stringent than the federal SOC requirements.

## **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.

### **MISSOURI**

#### **Release Prevention: Cathodic Protection**

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

### **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.

## **TEXAS**

### **Release Detection:**

- All retail locations are required to do inventory control and maintain records. Any exceedance beyond one month must be reported to TCEQ.

## **VERMONT**

### **Release Prevention: Operation and Maintenance of Cathodic Protection**

- Lining not allowed unless with impressed current.

### **Release Detection: Method Presence and Performance Requirements**

- 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.

### **Release Detection: Testing**

- Inventory control /Tank Tightness Testing (TTT) not allowed as a release detection method after 6/30/98.
- Manual Tank Gauge (MTG) allowed alone up to 550 gallons; 551-1,000 gallons, MTG with annual TTT.

## **WISCONSIN**

### **Release Prevention: Operation and Maintenance of Cathodic Protection**

- Require annual cathodic protection test.

### **Release Prevention: Spill Prevention**

- Require USTs to be equipped with overfill prevention equipment that will operate as follows (NFPA 30-2.6.1.4 – 2000 and 2003 version):
  - Automatically shut off the flow of liquid into the tank when the tank is no more than 95% full;
  - Alert the transfer operator when the tank is no more than 90% full by restricting the flow of liquid into the tank or triggering the high-level alarm; and,
  - Other methods approved by the authority having jurisdiction.

### **Release Detection: Testing**

- Require NFPA 30A09.2.1 (2000 and 2003 versions). Accurate daily inventory records shall be maintained and reconciled for all liquid fuel storage tanks for indication of possible leakage from tanks or piping. The records shall be kept on the premises or shall be made available to the authority having jurisdiction for the inspection within 24 hours of a written or verbal request. The records shall include, as a minimum and by product, daily reconciliation between sales, use, receipts, and inventory on hand. If there is more than one storage system serving an individual pump or dispensing device for any product, the reconciliation shall be maintained separately for each system.

### **Release Detection: Deferment**

- No exclusion or deferment for "remote" emergency generator tanks.

### **Other**

- Require annual permit to operate that includes verification of financial responsibility.

UST Additional Compliance Measures for Fiscal Year 2019  
(October 1, 2018 - September 30, 2019)

Region	Region or State	% in Compliance with A and B Operator Training Requirements	% in Compliance with Financial Responsibility Requirements <sup>1</sup>	% in Compliance with 2015 Walk Through Requirements
<b>State Data by Region</b>				
01	CT	89%	93%	94%
	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	N/A	N/A	N/A
<b>Region 1 Subtotal</b>		<b>89%</b>	<b>93%</b>	<b>94%</b>
02	NJ	72%	94%	89%
	NY	N/A	N/A	N/A
	PR	69%	67%	67%
	VI	N/A	N/A	N/A
<b>Region 2 Subtotal</b>		<b>71%</b>	<b>87%</b>	<b>83%</b>
03	DC	98%	98%	N/A
	DE	N/A	N/A	N/A
	MD	N/A	N/A	N/A
	PA	N/A	N/A	N/A
	VA	N/A	N/A	N/A
	WV	92%	87%	73%
<b>Region 3 Subtotal</b>		<b>93%</b>	<b>88%</b>	<b>73%</b>
04	AL	98%	N/A	49%
	FL	87%	93%	91%
	GA	N/A	N/A	N/A
	KY	89%	100%	69%
	MS	N/A	N/A	N/A
	NC	58%	93%	68%
	SC	98%	95%	N/A
	TN	N/A	N/A	N/A
<b>Region 4 Subtotal</b>		<b>82%</b>	<b>94%</b>	<b>71%</b>
05	IL	87%	88%	49%
	IN	N/A	N/A	N/A
	MI	90%	73%	93%
	MN	N/A	N/A	N/A
	OH	93%	94%	64%
	WI	87%	99%	86%
<b>Region 5 Subtotal</b>		<b>90%</b>	<b>88%</b>	<b>72%</b>
06	AR	N/A	N/A	N/A
	LA	N/A	N/A	N/A
	NM	N/A	N/A	N/A
	OK	90%	100%	61%
	TX	N/A	N/A	N/A
<b>Region 6 Subtotal</b>		<b>90%</b>	<b>100%</b>	<b>61%</b>
07	IA	N/A	N/A	N/A
	KS	N/A	N/A	N/A
	MO	98%	97%	N/A
	NE	N/A	N/A	N/A
<b>Region 7 Subtotal</b>		<b>98%</b>	<b>97%</b>	<b>N/A</b>

UST Additional Compliance Measures for Fiscal Year 2019  
(October 1, 2018 - September 30, 2019)

Region	Region or State	% in Compliance with A and B Operator Training Requirements	% in Compliance with Financial Responsibility Requirements <sup>1</sup>	% in Compliance with 2015 Walk Through Requirements
08	CO	95%	97%	95%
	MT	N/A	N/A	N/A
	ND	N/A	N/A	N/A
	SD	N/A	N/A	N/A
	UT	93%	98%	90%
	WY	100%	99%	89%
<b>Region 8 Subtotal</b>		<b>95%</b>	<b>98%</b>	<b>92%</b>
09	AS <sup>2</sup>	DNA	DNA	DNA
	AZ	N/A	N/A	N/A
	CA	88%	82%	83%
	CNMI <sup>2</sup>	DNA	DNA	DNA
	GU	100%	100%	87%
	HI	N/A	N/A	N/A
	NV	90%	91%	31%
<b>Region 9 Subtotal</b>		<b>89%</b>	<b>83%</b>	<b>78%</b>
10	AK	94%	95%	70%
	ID	86%	95%	54%
	OR	N/A	N/A	N/A
	WA	92%	95%	N/A
<b>Region 10 Subtotal</b>		<b>91%</b>	<b>95%</b>	<b>57%</b>
Indian Country Data				
<b>Region 1</b>		75 %	100 %	100 %
<b>Region 2<sup>2</sup></b>		DNA	DNA	DNA
<b>Region 4</b>		100 %	100 %	100 %
<b>Region 5</b>		80 %	92 %	66 %
<b>Region 6</b>		94 %	96 %	100 %
<b>Region 7</b>		75 %	63 %	50 %
<b>Region 8</b>		49 %	92 %	30 %
<b>Region 9</b>		77 %	85 %	67 %
<b>Region 10</b>		71 %	86 %	57 %
<b>Indian Country Subtotal</b>		<b>74 %</b>	<b>89 %</b>	<b>62 %</b>
National Data				
<b>National</b>		<b>86.6%</b>	<b>90.5%</b>	<b>74.3%</b>

<sup>1</sup>Financial responsibility requirements apply to petroleum USTs only, not hazardous substance tank systems.

<sup>2</sup>DNA = Data Not Available. States/Regions (Indian country) that have passed the compliance dates for their updated regulations must begin reporting the additional compliance measures. AS and CNMI are working to update their reporting systems but were unable to provide the data for End-of-Year FY 2019. EPA Region 2 was not able to report compliance data for End-of-Year FY 2019.

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

LUST Corrective Action Measures for Fiscal Year 2019 - Updated April 2020  
(Cumulative through September 2019)

Region	State	Confirmed Releases Actions This Year	Confirmed Releases Cumulative	Cleanups Initiated	Cleanups Completed Actions This Year	Cleanups Completed Cumulative	Cleanups Backlog
<b>State Data by Region</b>							
01	CT	92	3,571	3,470	92	2,542	1,029
	MA	39	6,665	6,617	86	6,219	446
	ME	81	3,081	3,051	90	3,049	32
	NH	20	2,713	2,710	32	2,138	575
	RI	11	1,470	1,470	23	1,313	157
	VT	4	2,179	2,177	25	1,597	582
<b>Region 1 Subtotal</b>		<b>247</b>	<b>19,679</b>	<b>19,495</b>	<b>348</b>	<b>16,858</b>	<b>2,821</b>
02	NJ	254	18,009	15,783	448	12,889	5,120
	NY	139	30,313	30,264	223	29,481	832
	PR	4	1,084	846	5	533	551
	VI	1	38	38	4	34	4
<b>Region 2 Subtotal</b>		<b>398</b>	<b>49,444</b>	<b>46,931</b>	<b>680</b>	<b>42,937</b>	<b>6,507</b>
03	DC	12	981	966	11	887	94
	DE	36	2,943	2,907	51	2,884	59
	MD	180	12,737	12,563	118	12,527	210
	PA	248	17,841	17,785	335	16,201	1,640
	VA	120	12,594	12,477	129	12,327	267
	WV	51	3,756	3,669	94	3,271	485
<b>Region 3 Subtotal</b>		<b>647</b>	<b>50,852</b>	<b>50,367</b>	<b>738</b>	<b>48,097</b>	<b>2,755</b>
04	AL	50	12,180	12,077	103	11,249	931
	FL <sup>1</sup>	152	33,679	32,268	751	23,424	10,255
	GA	213	14,611	14,464	287	13,783	828
	KY	109	17,156	17,147	131	16,544	612
	MS	123	8,228	7,986	112	7,740	488
	NC	234	26,987	24,476	802	23,757	3,230
	SC	131	10,342	10,078	127	8,063	2,279
	TN	185	15,658	15,657	220	15,553	105
<b>Region 4 Subtotal<sup>1</sup></b>		<b>1,197</b>	<b>138,841</b>	<b>134,153</b>	<b>2,533</b>	<b>120,113</b>	<b>18,728</b>
05	IL	381	25,869	24,892	468	20,529	5,340
	IN	172	10,380	10,187	301	9,145	1,235
	MI	228	23,547	23,007	166	15,402	8,145
	MN	180	12,157	11,987	137	11,730	427
	OH	443	32,693	32,044	452	30,810	1,883
	WI	57	19,688	19,506	143	18,922	766
<b>Region 5 Subtotal</b>		<b>1,461</b>	<b>124,334</b>	<b>121,623</b>	<b>1,667</b>	<b>106,538</b>	<b>17,796</b>
06	AR	24	1,380	1,365	23	1,291	89
	LA	134	5,669	5,669	155	5,054	615
	NM	19	2,681	2,372	9	1,843	838
	OK	104	5,577	5,577	120	5,203	374
	TX	221	28,426	27,676	300	27,181	1,245
<b>Region 6 Subtotal</b>		<b>502</b>	<b>43,733</b>	<b>42,659</b>	<b>607</b>	<b>40,572</b>	<b>3,161</b>



LUST Corrective Action Measures for Fiscal Year 2019 - Updated April 2020  
(Cumulative through September 2019)

Region	State	Confirmed Releases Actions This Year	Confirmed Releases Cumulative	Cleanups Initiated	Cleanups Completed Actions This Year	Cleanups Completed Cumulative	Cleanups Backlog
07	IA	35	6,290	6,165	92	5,859	431
	KS	41	5,350	5,281	57	4,056	1,294
	MO	75	7,357	7,349	122	6,681	676
	NE	49	6,696	6,090	302	5,917	779
<b>Region 7 Subtotal</b>		<b>200</b>	<b>25,693</b>	<b>24,885</b>	<b>573</b>	<b>22,513</b>	<b>3,180</b>
08	CO	301	9,012	8,462	221	8,447	565
	MT	17	3,103	2,990	32	2,421	682
	ND	3	898	876	3	862	36
	SD	45	2,863	2,716	39	2,732	131
	UT	38	5,152	5,100	67	4,895	257
	WY	4	2,807	2,794	49	2,166	641
<b>Region 8 Subtotal</b>		<b>408</b>	<b>23,835</b>	<b>22,938</b>	<b>411</b>	<b>21,523</b>	<b>2,312</b>
09	AS	0	8	8	0	8	0
	AZ	82	9,202	8,397	166	8,764	438
	CA	62	44,733	43,853	407	41,862	2,871
	CNMI	0	15	15	0	14	1
	GU	2	145	145	3	130	15
	HI	8	2,160	2,117	21	2,050	110
	NV	22	2,601	2,601	27	2,478	123
<b>Region 9 Subtotal</b>		<b>176</b>	<b>58,864</b>	<b>57,136</b>	<b>624</b>	<b>55,306</b>	<b>3,558</b>
10	AK	23	2,511	2,454	29	2,215	296
	ID	13	1,539	1,513	11	1,477	62
	OR	49	7,701	7,500	71	6,909	792
	WA	44	7,025	6,773	43	4,451	2,574
<b>Region 10 Subtotal</b>		<b>129</b>	<b>18,776</b>	<b>18,240</b>	<b>154</b>	<b>15,052</b>	<b>3,724</b>
<b>Indian Country Data</b>							
Region 1		1	2	2	1	2	0
Region 2		0	7	7	0	7	0
Region 4		0	16	16	3	13	3
Region 5		2	251	231	1	184	67
Region 6		1	83	83	2	69	14
Region 7		2	24	24	1	16	8
Region 8		2	448	440	7	373	75
Region 9		1	304	300	6	261	43
Region 10		1	198	198	2	190	8
<b>Indian Country Subtotal</b>		<b>10</b>	<b>1,333</b>	<b>1,301</b>	<b>23</b>	<b>1,115</b>	<b>218</b>
<b>National Data</b>							
<b>National Total<sup>1</sup></b>		<b>5,375</b>	<b>555,384</b>	<b>539,728</b>	<b>8,358</b>	<b>490,624</b>	<b>64,760</b>

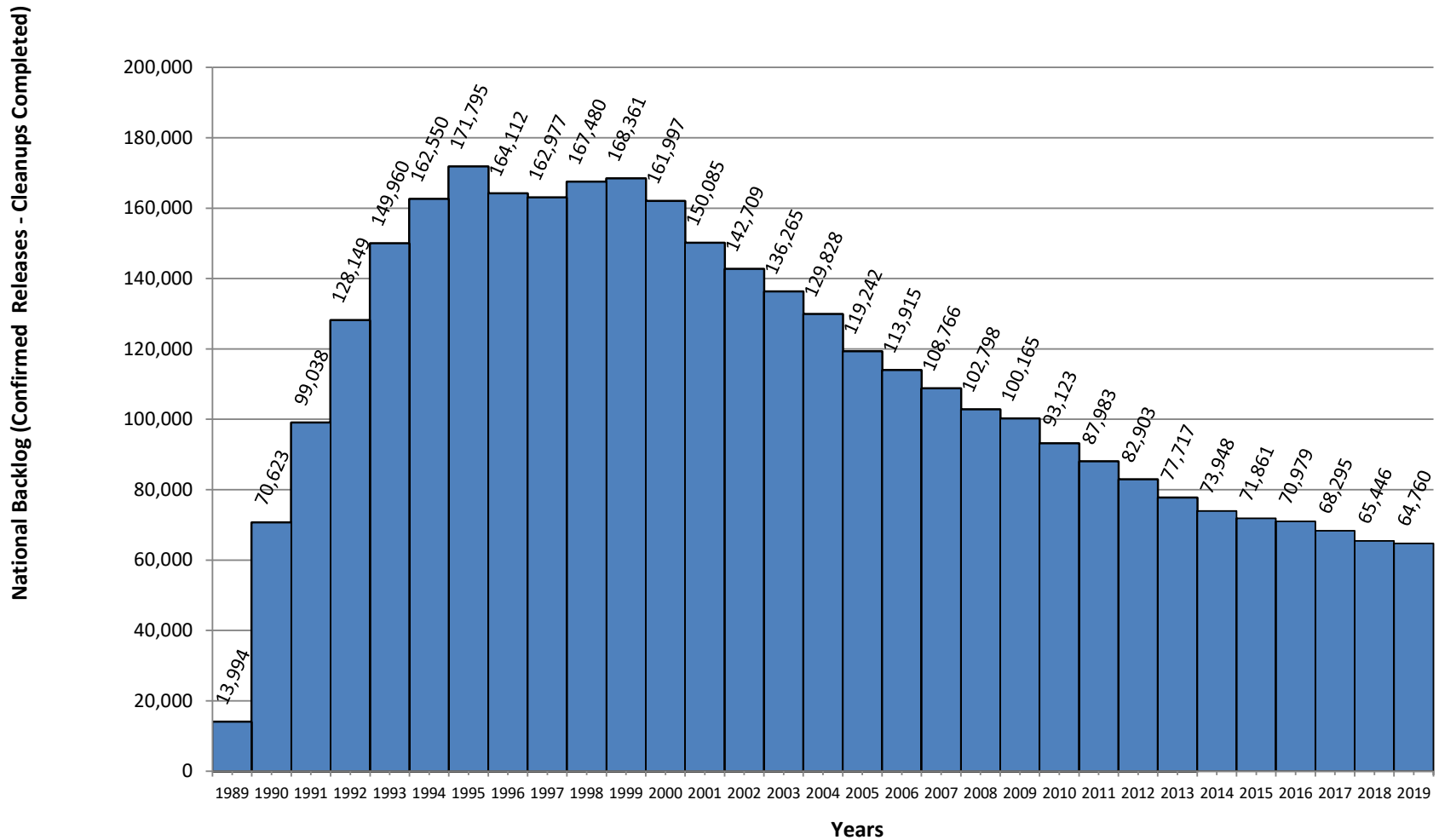
Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at [https://www.epa.gov/sites/production/files/2018-04/documents/revised-ust-lust-perf-meas-defs\\_4-10-18.pdf](https://www.epa.gov/sites/production/files/2018-04/documents/revised-ust-lust-perf-meas-defs_4-10-18.pdf).

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.

<sup>1</sup> EPA updated this table in April 2020 to incorporate changes in Florida's reporting. EPA coordinated with Florida to update incomplete data corrections reported at the end of FY 2019 to the confirmed releases cumulative, cleanups initiated, cleanups completed cumulative and backlog numbers for Florida which also affected the Region 4 subtotals and the national totals.

**UST National Backlog:  
FY 1989 Through End-of-Year FY 2019  
Updated April 2020**



Note: EPA updated this chart in April 2020 to reflect the revised End-of Year FY 2019 national backlog number resulting from the change to Florida's data (see the LUST Corrective Action Measures Table, pp 14-15).