

Semiannual Report Of UST Performance Measures Mid Fiscal Year 2018 (October 1, 2017 - March 31, 2018)

Where does EPA get the performance data?

Twice each year, EPA collects data from states and territories regarding underground storage tank (UST) performance measures and makes the data publicly available. EPA directly provides data on work in Indian country, since the Agency implements the program for those sites. These data include information such as the number of active and closed tanks, releases confirmed, cleanups initiated and completed, facilities in compliance with UST requirements, and inspections. EPA compiles the data and presents it in table format for all states, territories, and Indian country.

What are the UST performance measures?

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

What is in the mid fiscal year (FY) 2018 report?

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What are the UST program's measures and national performance at mid FY 2018?

UST Program Measures	National Performance
Active USTs regulated by EPA's UST program	553,069 at approximately 200,000 sites
USTs properly closed since 1984 inception of the UST program	1,862,849
On-site inspections at federally-regulated UST facilities between October 2017 and March 2018	38,781 total <ul style="list-style-type: none"> • 38,733 conducted by states, territories, and third-party inspectors • 48 conducted by EPA and credentialed tribal inspectors in Indian country
Significant operational compliance rate between April 2017 and March 2018	70.3%
Confirmed releases	2,829 (includes 5 in Indian country) <ul style="list-style-type: none"> • 540,979 cumulative
Cleanups completed	3,967 (includes 5 in Indian country) <ul style="list-style-type: none"> • 473,923 cumulative
Releases remaining to be cleaned up	67,056

Where can I find performance data from previous years?

EPA's 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 at burnell.susan@epa.gov or 202-564-0766 of EPA's Office of Underground Storage Tanks.

UST Corrective Action Measures for Mid-Year FY 2018 (Data through March 31, 2018)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
ONE								
CT	5,712	27,889	56	3,426	3,346	29	2,419	1,007
MA	8,693	26,943	28	6,597	6,567	57	6,081	516
ME	2,437	13,924	40	2,955	2,925	38	2,920	35
NH	2,707	12,613	8	2,687	2,687	13	2,091	596
RI	1,380	8,899	17	1,439	1,439	11	1,285	154
VT	1,797	6,408	1	2,172	2,170	13	1,563	609
Subtotal	22,726	96,676	150	19,276	19,134	161	16,359	2,917
TWO								
NJ	13,199	61,197	452	17,659	15,169	215	12,227	5,432
NY	22,221	107,891	97	30,050	30,001	135	29,128	922
PR ¹	4,482	5,813	DNA	1,075	842	DNA	519	556
VI	135	288	1	37	37	0	29	8
Subtotal	40,037	175,189	550	48,821	46,049	350	41,903	6,918
THREE								
DC	601	3,455	6	964	949	4	868	96
DE	1,164	7,547	20	2,887	2,843	23	2,808	79
MD	7,292	36,765	54	12,533	12,359	67	12,343	190
PA	22,309	67,611	118	17,426	17,375	124	15,755	1,671
VA	18,040	63,269	54	12,456	12,356	59	12,178	278
WV	4,237	21,407	18	3,692	3,608	46	3,136	556
Subtotal	53,643	200,054	270	49,958	49,490	323	47,088	2,870

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at <https://www.epa.gov/sites/production/files/2015-03/documents/pmdefinitions.pdf>

¹ DNA = Data Not Available. Puerto Rico was unable to report mid-year FY18 data.

UST Corrective Action Measures for Mid-Year FY 2018 (Data through March 31, 2018)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
FOUR								
AL	16,376	31,066	27	12,092	11,960	77	11,055	1,037
FL	22,586	112,848	100	27,283	21,123	434	17,664	9,619
GA	29,276	51,596	123	14,288	14,098	146	13,330	958
KY	9,530	41,011	52	16,990	16,980	74	16,322	668
MS	8,123	24,048	70	8,026	7,834	61	7,586	440
NC	24,504	71,469	76	26,498	23,877	185	22,741	3,757
SC	11,400	34,145	63	10,164	9,939	45	7,888	2,276
TN	16,145	41,267	94	15,381	15,381	123	15,216	165
Subtotal	137,940	407,450	605	130,722	121,192	1,145	111,802	18,920
FIVE								
IL	18,790	64,658	125	25,347	24,371	173	19,803	5,544
IN	13,329	43,464	82	10,155	9,566	102	8,713	1,442
MI	17,641	71,943	107	23,182	22,728	137	15,156	8,026
MN	12,744	33,656	55	11,765	11,711	75	11,469	296
OH	21,210	48,941	178	32,013	31,570	241	30,392	1,621
WI	13,570	70,516	29	19,605	19,381	73	18,713	892
Subtotal	97,284	333,178	576	122,067	119,327	801	104,246	17,821

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UST Corrective Action Measures for Mid-Year FY 2018 (Data through March 31, 2018)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
SIX								
AR	8,649	21,978	12	1,829	1,556	11	1,547	282
LA	10,573	36,226	49	5,437	5,437	77	4,810	627
NM	3,583	13,074	6	2,658	2,357	6	1,824	834
OK	9,269	29,195	43	5,382	5,382	41	5,037	345
TX	49,955	124,103	116	28,069	27,245	151	26,670	1,399
Subtotal	82,029	224,576	226	43,375	41,977	286	39,888	3,487
SEVEN								
IA	6,566	23,830	15	6,232	6,109	46	5,642	590
KS	6,471	21,494	16	5,294	5,210	29	3,983	1,311
MO	8,739	32,775	45	7,248	7,247	61	6,498	750
NE	6,348	15,447	35	6,640	6,012	133	5,769	871
Subtotal	28,124	93,546	111	25,414	24,578	269	21,892	3,522
EIGHT								
CO	7,160	23,668	96	8,595	8,186	111	8,098	497
MT	3,144	11,924	10	3,086	2,968	16	2,359	727
ND	2,241	7,674	1	894	874	1	856	38
SD	3,058	7,233	14	2,804	2,658	14	2,688	116
UT	3,643	14,068	34	5,068	5,003	64	4,777	291
WY	1,625	8,266	5	2,693	2,677	17	2,026	667
Subtotal	20,871	72,833	160	23,140	22,366	223	20,804	2,336

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at <https://www.epa.gov/sites/production/files/2015-03/documents/pmdefinitions.pdf>

UST Corrective Action Measures for Mid-Year FY 2018 (Data through March 31, 2018)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
NINE								
AS	3	65	0	8	8	1	8	0
AZ	6,137	22,564	61	9,069	8,323	69	8,493	576
CA	36,254	133,669	38	44,250	43,136	236	40,899	3,351
GU	238	495	1	142	142	1	121	21
HI	1,517	5,628	12	2,145	2,089	4	1,996	149
MP	64	72	0	15	15	0	14	1
NV	3,769	7,669	6	2,575	2,575	13	2,436	139
Subtotal	47,982	170,162	118	58,204	56,288	324	53,967	4,237
TEN								
AK	944	6,837	8	2,471	2,438	11	2,175	296
ID	3,408	11,455	7	1,519	1,493	7	1,457	62
OR	5,472	26,866	24	7,626	7,433	25	6,804	822
WA	9,959	37,632	19	6,968	6,590	37	4,383	2,585
Subtotal	19,783	82,790	58	18,584	17,954	80	14,819	3,765

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at <https://www.epa.gov/sites/production/files/2015-03/documents/pmdefinitions.pdf>

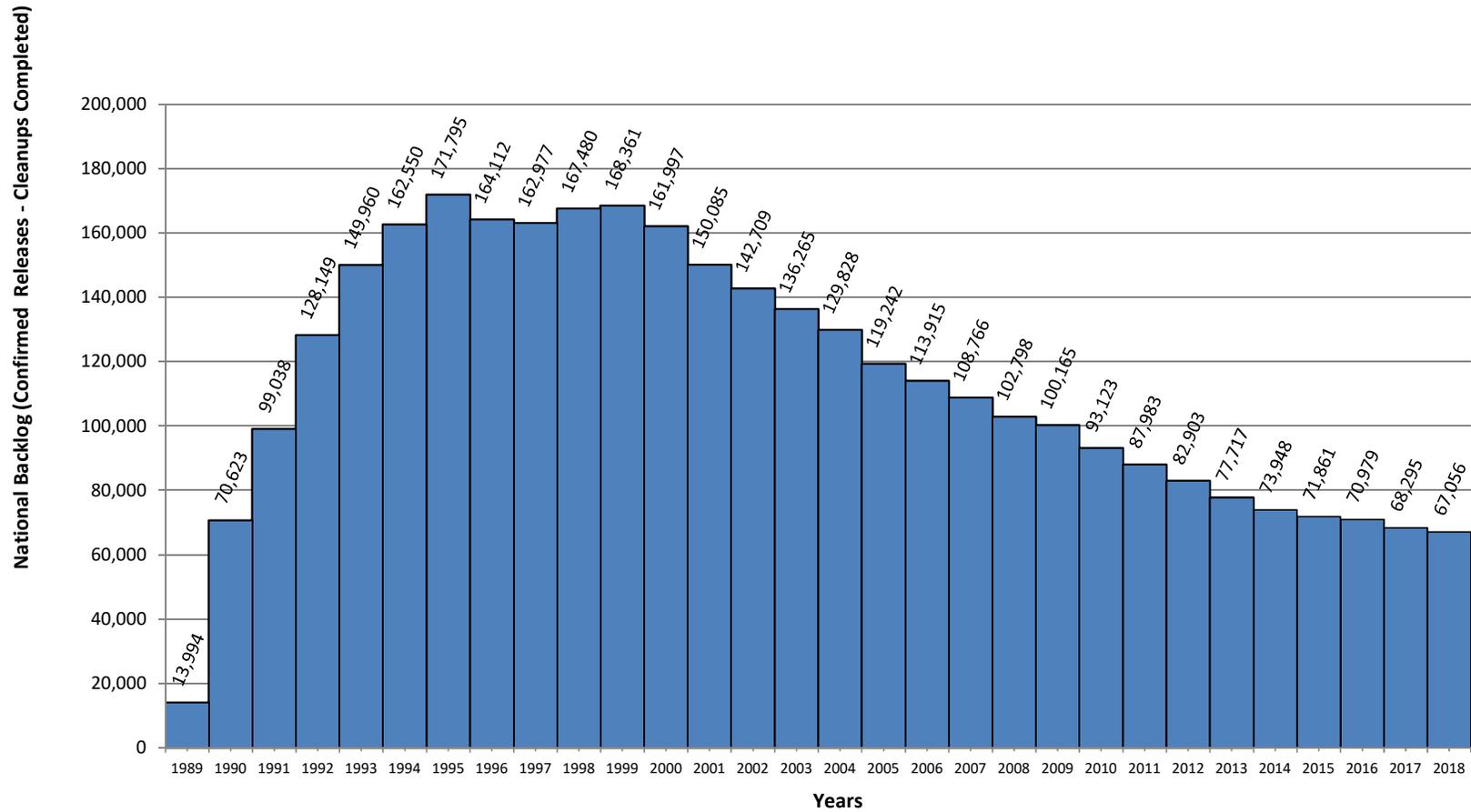
UST Corrective Action Measures for Mid-Year FY 2018 (Data through March 31, 2018)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
REGIONAL CORRECTIVE ACTIONS FOR INDIAN COUNTRY								
REGION 1	13	6	0	1	1	0	1	0
REGION 2	164	28	0	7	7	1	7	0
REGION 3	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²	N/A ²
REGION 4	68	77	0	16	16	0	10	6
REGION 5	444	1,063	1	254	228	0	182	72
REGION 6	387	319	0	69	69	0	66	3
REGION 7	80	99	0	22	22	0	13	9
REGION 8	522	2,148	2	553	544	3	438	115
REGION 9	567	1,489	0	301	298	1	252	49
REGION 10	405	1,166	2	195	194	0	186	9
SUBTOTAL	2,650	6,395	5	1,418	1,379	5	1,155	263
NATIONAL TOTAL								
	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
NATIONAL TOTAL	553,069	1,862,849	2,829	540,979	519,734	3,967	473,923	67,056

Definitions of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at <https://www.epa.gov/sites/production/files/2015-03/documents/pmdefinitions.pdf>

² N/A = Not Applicable. There are no tribal USTs in EPA Region 3.

UST National Backlog: FY 1989 Through Mid-Year FY 2018



**UST Compliance Measures for Mid-Year FY 2018
(April 1, 2017 - March 31, 2018)**

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
ONE			
CT ¹	91%	90%	85%
MA	68%	55%	42%
ME	92%	84%	74%
NH	59%	54%	35%
RI ¹	66%	49%	42%
VT ¹	84%	83%	81%
SUBTOTAL	76%	69%	58%
TWO			
NJ	96%	96%	93%
NY	84%	74%	69%
PR ²	DNA	DNA	DNA
VI	100%	79%	79%
SUBTOTAL	89%	82%	78%
THREE			
DC	98%	91%	89%
DE	99%	98%	98%
MD	86%	91%	80%
PA	82%	84%	72%
VA	86%	76%	69%
WV	90%	86%	80%
SUBTOTAL	85%	83%	73%

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
FOUR			
AL	88%	76%	69%
FL	80%	77%	66%
GA	69%	63%	54%
KY	78%	81%	66%
MS	80%	77%	68%
NC	70%	63%	54%
SC	80%	78%	66%
TN	91%	88%	75%
SUBTOTAL	78%	73%	63%
FIVE			
IL ¹	77%	70%	64%
IN	85%	86%	82%
MI ¹	86%	64%	59%
MN	86%	85%	81%
OH	89%	73%	70%
WI ¹	86%	71%	65%
SUBTOTAL	85%	74%	69%
SIX			
AR	77%	77%	66%
LA	86%	85%	78%
NM	86%	89%	78%
OK	83%	61%	57%
TX	94%	92%	88%
SUBTOTAL	90%	86%	80%

These compliance rates indicate the percent of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 4/1/17 through 3/31/18. According to EPA guidelines, states are allowed to report based on requirements more stringent than the federal SOC requirements. States identified with footnote¹ indicated they had done so, as described on pages 9 and 10. Furthermore, states have different approaches to targeting inspections. For example, some states focus inspections on suspected non-compliant facilities, while other states conduct random inspections.

¹ States reporting based on requirements more stringent than the federal SOC requirements.

² DNA = Data Not Available. Puerto Rico was unable to report mid-year FY18 data.

**UST Compliance Measures for Mid-Year FY 2018
(April 1, 2017 - March 31, 2018)**

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
SEVEN			
IA	82%	71%	62%
KS	56%	88%	50%
MO ¹	89%	97%	87%
NE ¹	78%	71%	64%
SUBTOTAL	77%	83%	67%
EIGHT			
CO	87%	83%	80%
MT	95%	94%	90%
ND	91%	93%	86%
SD	78%	82%	69%
UT	92%	87%	83%
WY	95%	98%	94%
SUBTOTAL	89%	88%	82%
NINE			
AS	100%	67%	67%
AZ	79%	75%	69%
CA	81%	70%	61%
GU	100%	100%	100%
HI	98%	93%	89%
MP	96%	96%	96%
NV	91%	84%	77%
SUBTOTAL	82%	72%	64%

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
TEN			
AK	81%	82%	75%
ID ¹	91%	81%	73%
OR	94%	92%	87%
WA	92%	89%	84%
SUBTOTAL	92%	88%	82%
INDIAN COUNTRY			
REGION 1	DNA ³	DNA ³	DNA ³
REGION 2	63%	63%	63%
REGION 3	N/A ⁴	N/A ⁴	N/A ⁴
REGION 4	100%	77%	77%
REGION 5	81%	74%	72%
REGION 6	90%	95%	85%
REGION 7	0%	0%	0%
REGION 8	69%	81%	60%
REGION 9	89%	86%	84%
REGION 10	82%	78%	73%
SUBTOTAL	81%	81%	74%
NATIONAL TOTAL			
TOTAL	83.5%	78.0%	70.3%

These compliance rates indicate the percentage of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 4/1/17 through 3/31/18. According to EPA guidelines, states are allowed to report based on requirements more stringent than the federal SOC requirements. States identified with footnote1 indicated they had done so, as described on pages 9 and 10. Furthermore, states have different approaches to targeting inspections. For example, some states focus inspections on suspected non-compliant facilities, while other states conduct random inspections.

¹ States reporting based on requirements more stringent than the federal SOC requirements.

³ DNA = Data Not Available because no inspections were conducted within the last 12 months.

⁴ N/A = Not Applicable. There are no tribal USTs in EPA Region 3.

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

Release Prevention: Operation and Maintenance of Cathodic Protection

- Three 60-day rectifier inspection checks are required.
- Two three-year system checks are required for impressed current and galvanic.

Release Detection: Testing

- Records required for the past 12 months.

Other

- Percent of UST facilities in compliance with both release detection and release prevention also factors in financial responsibility and EPCRA requirements, such as operator training and secondary containment.

ILLINOIS

Release Detection: Testing

- Owner/operator must produce records within 30 minutes of arrival of inspector.

MICHIGAN

Release Detection: Required Methods

- Owners/operators must have inventory control plus another method of release detection.

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.

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.

**Inspection/Delivery Prohibition Actions
for Mid-Year FY 2018 (October 1, 2017 - March 31, 2018)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
ONE		
CT	255	23
MA	333	0
ME	277	0
NH	81	0
RI	97	0
VT	76	33
SUBTOTAL	1,119	56
TWO		
NJ	462	62
NY	1,223	1
PR ¹	DNA	DNA
VI	17	0
SUBTOTAL	1,702	63
THREE		
DC	27	0
DE	55	1
MD	396	5
PA	1,556	17
VA	728	4
WV	267	2
SUBTOTAL	3,029	29

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
FOUR		
AL	1,262	26
FL	1,757	0
GA	1,661	0
KY	806	48
MS	513	119
NC	1,679	124
SC	1,901	242
TN	968	25
SUBTOTAL	10,547	584
FIVE		
IL	1,272	435
IN	426	0
MI	938	46
MN	207	6
OH	1,272	0
WI	1,172	52
SUBTOTAL	5,287	539
SIX		
AR	701	8
LA	812	21
NM	287	0
OK	1,399	38
TX	2,965	337
SUBTOTAL	6,164	404

States use different approaches to delivery prohibition. For example, certain states issue a notice of intent before actually issuing a delivery prohibition (i.e., some states forgo delivery prohibition issuance for facilities that come into compliance). In addition, some states prohibit deliveries primarily for registration violations.

¹ DNA = Data Not Available. Puerto Rico was unable to report mid-year FY18 data.

**Inspection/Delivery Prohibition Actions
for Mid-Year FY 2018 (October 1, 2017 - March 31, 2018)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
SEVEN		
IA	246	10
KS	535	8
MO	587	0
NE	653	0
SUBTOTAL	2,021	18
EIGHT		
CO	195	14
MT	207	9
ND	10	0
SD	171	0
UT	286	0
WY	105	1
SUBTOTAL	974	24
NINE		
AS	3	0
AZ	279	5
CA	6,041	96
GU	2	0
HI	32	0
MP	6	0
NV	518	8
SUBTOTAL	6,881	109

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
TEN		
AK	63	2
ID	189	0
OR	205	7
WA	552	2
SUBTOTAL	1,009	11
INDIAN COUNTRY		
REGION 1	0	0
REGION 2	0	0
REGION 3	N/A ²	N/A ²
REGION 4	3	0
REGION 5	10	0
REGION 6	11	0
REGION 7	0	0
REGION 8	1	0
REGION 9	18	0
REGION 10	5	0
SUBTOTAL	48	0
NATIONAL TOTAL		
TOTAL	38,781	1,837

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² N/A = Not Applicable. There are no tribal USTs in EPA Region 3.