

Semiannual Report Of UST Performance Measures Mid Fiscal Year 2014 (October 1, 2013 - March 31, 2014)

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. This data includes information such as the number of active and closed tanks, releases reported, 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/oust/cat/camarchv.htm under **Definitions**.

What is in the mid fiscal year (FY) 2014 report?

	Page
UST Corrective Action Measures For Mid FY 2014	
Alphabetical By State Within Region	1
National Totals	5
UST National Backlog Graph	6
UST Compliance Measures For Mid FY 2014	7
States With More Stringent SOC Requirements	9
Inspection/Delivery Prohibition Actions For Mid FY 2014	11

How does the UST program's performance at mid FY 2014 compare with its FY 2014 goals and mid FY 2013 performance?

Mid FY 2014 UST Program Performance	Compare With FY 2014 UST Program Goal	Compare With Mid FY 2013 UST Program Performance
Completed 5,084 cleanups (including 13 in Indian country)	Complete 9,000 cleanups, including 37 in Indian country	At mid FY 2013, completed 5,331 cleanups (including 14 in Indian country)
72.1 percent significant operational compliance rate	Achieve a significant operational compliance rate of 70 percent	At mid FY 2013, the significant operational compliance rate was 71.8 percent
Confirmed 3,007 releases, which is below the midpoint of EPA's goal to decrease confirmed releases	Decrease newly-confirmed releases to fewer than 7,330	At mid FY 2013, confirmed 2,974 releases

What other highlights are included in the mid FY 2014 report?

- There are 574,841 active USTs (at approximately 212,000 sites) which are regulated by EPA's UST program
- Since the 1984 inception of the UST program, 1,806,080 USTs have been closed

- Of the 517,317 releases reported since the beginning of the UST program, 441,648 (or 85 percent) have been cleaned up, leaving 75,669 remaining to be cleaned up
 - From FY 2010 through FY 2013, the UST program saw increased performance in cleaning up and closing releases due in part to a one-time infusion of LUST Recovery Act money
- 41,461 on-site inspections at federally-regulated UST facilities were conducted between October 2013 and March 2014; of those:
 - 41,321 were conducted by states, territories, and third-party inspectors
 - 140 were conducted by EPA and credentialed tribal inspectors in Indian country

How are EPA and its partners doing at reducing the backlog of UST releases?

Reducing the number of releases remaining to be cleaned up (also known as the backlog) remains a priority for the national UST program. The graphic on page 6 of this report shows that the national UST backlog of releases remaining to be cleaned up has been declining for more than a decade. The rate of releases confirmed has held steady since 2010 at approximately 6,000 releases reported each year; the cumulative number of confirmed releases is now over 517,000. Viewed together, these data points show the progress EPA, states, territories, tribes, and other UST partners are making in reducing the percent of confirmed releases at UST facilities pending cleanup completion.

Over the last few years, the percent of confirmed releases pending cleanup completion has declined from 20.5 percent in 2009 to 14.6 percent at mid FY 2014. Looking back a decade shows that the percent of confirmed releases pending cleanup completion was 29 percent in 2004.

Fiscal Year	Confirmed Releases		Cleanups Remaining	Percent Of Confirmed Releases Pending Cleanup Completion*
	Each Year	Cumulative		
Mid 2014	3,007	517,317	75,669	14.6%
2013	6,128	514,123	77,717	15.1%
2012	5,674	507,540	82,903	16.3%
2011	5,998	501,723	87,983	17.5%
2010	6,328	494,997	93,123	18.8%
2009	7,168	488,496	100,165	20.5%
↓	↓	↓	↓	↓
2004	7,850	447,233	129,827	29%

*Divide cleanups remaining by cumulative confirmed releases

Where can I find performance data from previous years?

EPA's website www.epa.gov/oust/cat/camarchv.htm provides the most current report, as well as historical reports beginning with FY 1988, the first year reports were developed. Reports are listed beginning with the most recent first.

For more information, contact Steven McNeely, EPA's Office of Underground Storage Tanks, at mcneely.steven@epa.gov or 703-603-7164.

UST Corrective Action Measures for Mid-Year FY 2014 (Data through March 31, 2014)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
ONE								
CT	6,347	26,154	28	3,008	2,995	21	2,173	835
MA	9,846	25,210	24	6,378	6,329	43	6,131	247
ME	2,775	13,262	16	2,704	2,704	24	2,640	64
NH	2,996	11,873	14	2,597	2,597	35	1,985	612
RI	1,555	8,471	4	1,371	1,371	4	1,169	202
VT	2,066	5,987	2	2,142	2,142	19	1,452	690
Subtotal	25,585	90,957	88	18,200	18,138	146	15,550	2,650
TWO								
NJ	13,946	63,680	438	12,056	11,533	451	9,100	2,956
NY	23,557	100,901	129	29,219	29,172	217	27,820	1,399
PR	4,489	5,779	2	1,066	835	0	498	568
VI	143	279	0	25	24	0	21	4
Subtotal	42,135	170,639	569	42,366	41,564	668	37,439	4,927
THREE								
DC	634	3,363	7	908	893	4	808	100
DE	1,230	7,328	23	2,719	2,652	34	2,601	118
MD	7,859	35,536	70	11,996	11,822	107	11,727	269
PA	22,875	65,448	88	15,804	15,651	132	13,714	2,090
VA	18,189	61,917	67	12,245	12,154	88	11,875	370
WV	4,614	20,716	39	3,507	3,417	39	2,774	733
Subtotal	55,401	194,308	294	47,179	46,589	404	43,499	3,680

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

UST Corrective Action Measures for Mid-Year FY 2014 (Data through March 31, 2014)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
FOUR								
AL	18,039	30,529	33	11,797	11,668	64	10,563	1,234
FL	22,323	111,233	53	26,807	17,402	344	14,761	12,046
GA	29,367	49,494	117	13,315	13,084	157	11,991	1,324
KY	10,234	39,685	122	16,245	16,220	225	15,335	910
MS	8,244	23,587	58	7,529	7,396	36	7,170	359
NC	26,145	69,094	144	25,679	23,253	162	21,060	4,619
SC	11,796	33,271	40	9,765	9,413	80	7,382	2,383
TN	17,454	39,169	108	14,738	14,738	110	14,373	365
Subtotal	143,602	396,062	675	125,875	113,174	1,178	102,635	23,240
FIVE								
IL	20,203	67,986	149	25,894	24,236	375	21,709	4,185
IN	13,122	39,586	81	9,615	9,517	119	7,638	1,977
MI	18,467	70,087	67	22,461	22,046	241	13,763	8,698
MN	12,151	32,985	82	11,209	11,084	105	10,820	389
OH	22,090	45,806	270	30,402	30,222	305	28,200	2,202
WI	14,295	68,196	51	19,284	19,069	64	18,205	1,079
Subtotal	100,328	324,646	700	118,865	116,174	1,209	100,335	18,530

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

UST Corrective Action Measures for Mid-Year FY 2014 (Data through March 31, 2014)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
SIX								
AR	8,940	21,403	14	1,664	1,380	23	1,382	282
LA	11,237	34,201	81	4,767	4,767	87	4,045	722
NM	3,765	12,807	4	2,600	2,318	0	1,753	847
OK	10,089	27,617	38	5,057	5,042	35	4,654	403
TX	50,905	119,733	107	26,972	26,176	132	25,269	1,703
Subtotal	84,936	215,761	244	41,060	39,683	277	37,103	3,957
SEVEN								
IA	6,801	23,277	22	6,137	5,916	60	5,220	917
KS	6,583	20,876	16	5,133	5,008	27	3,769	1,364
MO	9,116	31,603	53	6,887	6,870	46	5,959	928
NE	6,594	14,968	28	6,368	5,281	54	4,991	1,377
Subtotal	29,094	90,724	119	24,525	23,075	187	19,939	4,586
EIGHT								
CO	7,434	22,477	42	7,995	7,714	68	7,326	669
MT	3,156	11,749	0	3,030	2,913	24	2,136	894
ND	2,228	7,459	3	870	853	1	833	37
SD	2,889	7,234	20	2,702	2,567	16	2,561	141
UT	3,728	13,656	22	4,775	4,720	50	4,423	352
WY	1,758	8,000	7	2,651	2,365	54	1,699	952
Subtotal	21,193	70,575	94	22,023	21,132	213	18,978	3,045

Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

UST Corrective Action Measures for Mid-Year FY 2014 (Data through March 31, 2014)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
NINE								
AS	16	52	0	8	7	0	7	1
AZ	6,745	21,515	32	8,742	8,221	30	8,029	713
CA	37,132	130,697	61	44,318	41,943	631	38,084	6,234
GU	249	462	0	139	139	0	119	20
HI	1,582	5,495	16	2,069	2,023	4	1,919	150
MP	80	56	0	11	10	0	10	1
NV	3,776	7,477	5	2,521	2,521	6	2,367	154
Subtotal	49,580	165,754	114	57,808	54,864	671	50,535	7,273
TEN								
AK	1,016	6,684	26	2,392	2,364	27	2,032	360
ID	3,339	10,947	2	1,484	1,453	8	1,372	112
OR	5,650	26,068	23	7,405	7,236	39	6,505	900
WA	10,360	36,695	53	6,775	6,323	44	4,664	2,111
Subtotal	20,365	80,394	104	18,056	17,376	118	14,573	3,483

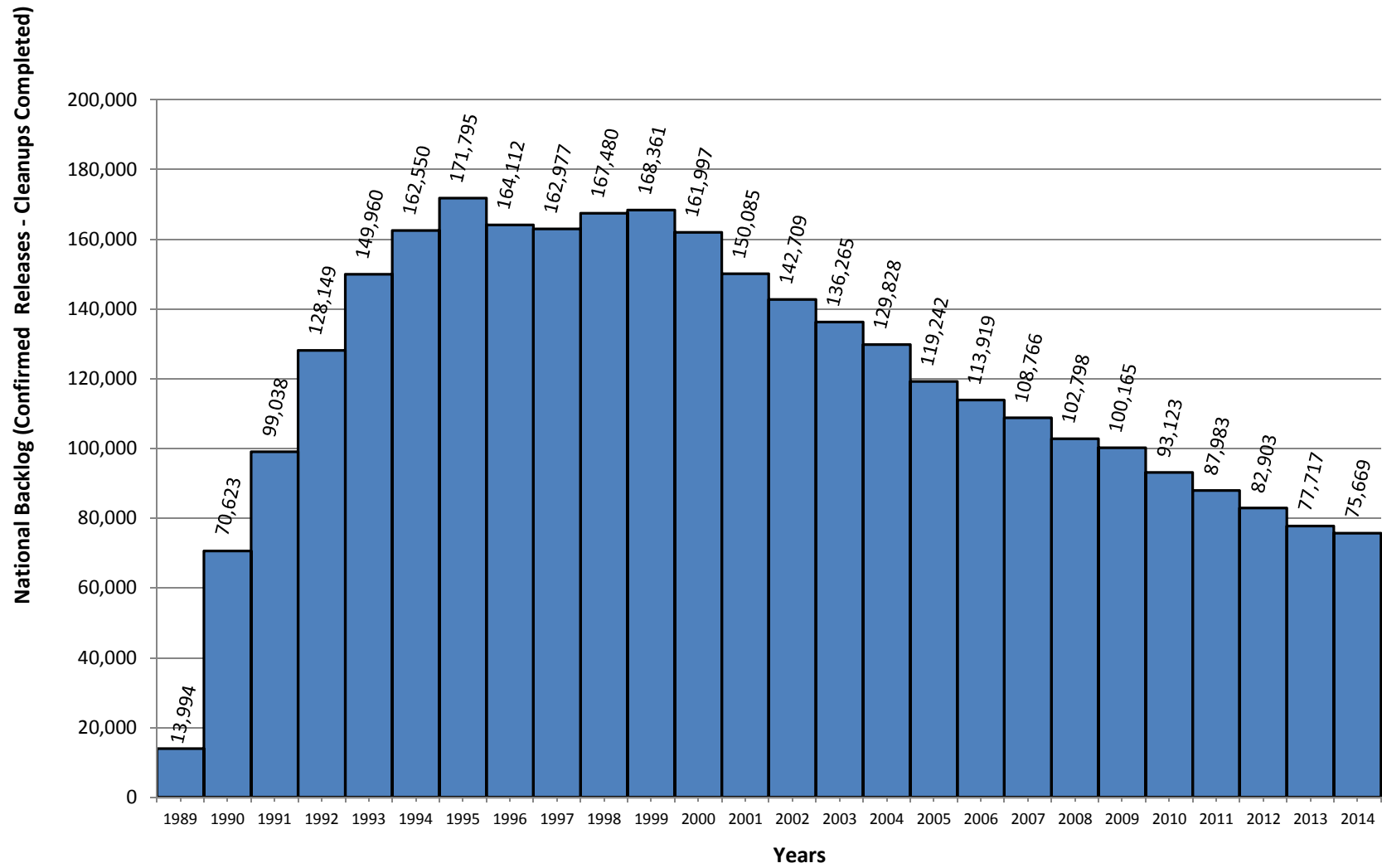
Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

UST Corrective Action Measures for Mid-Year FY 2014 (Data through March 31, 2014)

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	5	0	1	1	0	1	0	
REGION 2	156	28	0	6	6	0	5	1	
REGION 3	0	0	0	0	0	0	0	0	
REGION 4	66	64	0	14	14	0	13	1	
REGION 5	478	1,035	1	240	223	2	175	65	
REGION 6	326	296	2	67	67	1	64	3	
REGION 7	80	96	0	20	20	0	13	7	
REGION 8	540	2,126	1	535	526	7	397	138	
REGION 9	586	1,509	1	294	223	3	224	70	
REGION 10	377	1,101	1	183	179	0	170	13	
SUBTOTAL	2,622	6,260	6	1,360	1,259	13	1,062	298	
	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining	
			Actions This Year	Cumulative		Actions This Year	Cumulative		
			NATIONAL TOTAL			574,841	1,806,080		3,007

Definitions of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

**UST National Backlog:
FY 1989 Through Mid-Year
FY 2014**



**UST Compliance Measures
for Mid-Year FY 2014**

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	74%	71%	63%
MA	84%	26%	25%
ME	70%	68%	67%
NH	70%	72%	52%
RI ¹	79%	72%	67%
VT ¹	85%	84%	81%
SUBTOTAL	78%	55%	49%
TWO			
NJ	96%	95%	92%
NY	85%	76%	71%
PR	56%	48%	44%
VI	100%	75%	75%
SUBTOTAL	86%	79%	75%
THREE			
DC	89%	86%	77%
DE	87%	86%	81%
MD	77%	91%	72%
PA	92%	89%	82%
VA	86%	76%	70%
WV	84%	84%	76%
SUBTOTAL	87%	84%	76%

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	91%	80%	73%
FL	98%	77%	76%
GA	75%	69%	61%
KY	74%	74%	60%
MS	75%	73%	60%
NC	80%	76%	70%
SC	85%	84%	75%
TN	90%	89%	82%
SUBTOTAL	84%	77%	70%
FIVE			
IL ¹	77%	72%	63%
IN	88%	91%	83%
MI ¹	79%	61%	54%
MN	86%	85%	81%
OH	90%	72%	68%
WI ¹	91%	83%	78%
SUBTOTAL	85%	76%	69%
SIX			
AR	71%	74%	59%
LA	82%	82%	74%
NM	76%	76%	63%
OK	76%	89%	70%
TX	97%	90%	89%
SUBTOTAL	89%	87%	80%

These compliance rates indicate the percent of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 4/1/13 through 3/31/14. 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.

**UST Compliance Measures
for Mid-Year FY 2014**

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	80%	81%	75%
KS ¹	62%	93%	59%
MO ¹	80%	97%	78%
NE	75%	67%	56%
SUBTOTAL	75%	85%	68%
EIGHT			
CO	85%	81%	81%
MT	89%	84%	76%
ND	92%	93%	89%
SD	78%	84%	72%
UT	92%	90%	86%
WY	94%	96%	90%
SUBTOTAL	87%	86%	81%
NINE			
AS	75%	100%	75%
AZ	93%	96%	90%
CA	84%	75%	66%
GU	100%	91%	91%
HI	99%	98%	98%
MP	100%	100%	100%
NV	92%	88%	84%
SUBTOTAL	87%	80%	72%

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	79%	76%	70%
ID ¹	77%	79%	59%
OR	93%	90%	86%
WA	84%	80%	70%
SUBTOTAL	85%	83%	73%
INDIAN COUNTRY			
REGION 1	100%	75%	75%
REGION 2	83%	63%	63%
REGION 3	N/A ³	N/A ³	N/A ³
REGION 4	DNA ²	DNA ²	DNA ²
REGION 5	84%	60%	58%
REGION 6	98%	92%	92%
REGION 7	DNA ²	DNA ²	DNA ²
REGION 8	86%	82%	71%
REGION 9	85%	79%	69%
REGION 10	91%	92%	86%
SUBTOTAL	88%	79%	73%
NATIONAL TOTAL			
TOTAL	84.9%	79.3%	72.1%

These compliance rates indicate the percentage of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 4/1/13 through 3/31/14. 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.

³ N/A = Not Applicable. EPA Region 3 does not have any federally recognized tribes.

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 EPA requirements, such as operator training and secondary containment.

ILLINOIS

Release Detection: Testing

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

KANSAS

Release Prevention: Spill Prevention

- Owners/operators cannot have debris or water in the spill bucket.

Release Prevention: Cathodic Protection

- Owner/operator must ensure that the cathodic protection rectifier log is available at the time of inspection.

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.

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.
- Sacrificial anode systems are required to be tested every 3 years.

Release Detection: Testing

- Records required for the past 36 months.
- Inventory control is required for all tanks (single-walled and double-walled).
- The automatic tank gauge (ATG) has to be checked monthly and have an annual test conducted.
- Tightness testing schedule is different than the federal requirement; it depends on the type of tank.
 - o Tank tightness must be performed on all single walled tanks.
 - o 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.

- o 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.
- 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 two 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):
 - o Automatically shut off the flow of liquid into the tank when the tank is no more than 95% full;
 - o 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,
 - o 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 2014 (October 1, 2013 - March 31, 2014)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
ONE		
CT	517	4
MA	301	0
ME	261	0
NH	138	10
RI	197	0
VT	95	3
SUBTOTAL	1,509	17
TWO		
NJ	560	98
NY	1,507	0
PR	129	0
VI	12	0
SUBTOTAL	2,208	98
THREE		
DC	35	0
DE	55	0
MD	591	8
PA	1,261	11
VA	814	1
WV	344	5
SUBTOTAL	3,100	25

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
FOUR		
AL	1,476	98
FL	2,540	0
GA	1,223	455
KY	1,011	73
MS	409	33
NC	1,663	68
SC	1,751	127
TN	1,438	193
SUBTOTAL	11,511	1,047
FIVE		
IL	1,519	397
IN	731	1
MI	909	93
MN	504	5
OH	1,470	0
WI	2,000	69
SUBTOTAL	7,133	565
SIX		
AR	544	25
LA	769	7
NM	317	0
OK	1,658	35
TX	568	5,242
SUBTOTAL	3,856	5,309

Not all states fully implement delivery prohibition at this time, and some states prohibit deliveries primarily for registration violations.

**Inspection/Delivery Prohibition Actions
for Mid-Year FY 2014 (October 1, 2013 - March 31, 2014)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
SEVEN		
IA	338	83
KS	570	10
MO	798	0
NE	363	0
SUBTOTAL	2,069	93
EIGHT		
CO	799	29
MT	140	0
ND	7	0
SD	148	0
UT	404	0
WY	107	1
SUBTOTAL	1,605	30
NINE		
AS	4	0
AZ	539	0
CA	5,990	34
GU	47	0
HI	166	0
MP	9	0
NV	403	2
SUBTOTAL	7,158	36

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
TEN		
AK	90	9
ID	146	0
OR	312	34
WA	624	5
SUBTOTAL	1,172	48
INDIAN COUNTRY		
REGION 1	0	0
REGION 2	8	0
REGION 3	N/A ¹	N/A ¹
REGION 4	0	0
REGION 5	43	0
REGION 6	13	0
REGION 7	0	0
REGION 8	10	0
REGION 9	52	0
REGION 10	14	0
SUBTOTAL	140	0
NATIONAL TOTAL		
TOTAL	41,461	7,268

Not all states fully implement delivery prohibition at this time, and some states prohibit deliveries primarily for registration violations.

¹ N/A = Not Applicable. EPA Region 3 does not have any federally recognized tribes.