

Semiannual Report Of UST Performance Measures End Of Fiscal Year 2013 (October 1, 2012 – September 30, 2013)

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 end of fiscal year (FY) 2013 report?

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How does the UST program's performance compare with its goals?

FY 2013 UST Program Performance	FY 2013 UST Program Goal
Exceeded the FY 2013 goal by completing 11,582 cleanups	Complete 10,100 cleanups
Missed the FY 2013 Indian country cleanup goal, but completed 18 cleanups	Complete 42 cleanups in Indian country
Exceeded the FY 2013 goal by achieving a significant operational compliance rate of 71.6 percent	Achieve a significant operational compliance rate of 67 percent
Exceeded the FY 2013 goal by decreasing newly-confirmed releases to 6,128	Decrease newly-confirmed releases to fewer than 7,715

What other highlights are included in the end of FY 2013 report?

- There are 577,981 active USTs (at approximately 213,000 sites) which are regulated by EPA's UST program
- Since the 1984 inception of the UST program, 1,797,401 USTs have been closed
- Of the 514,123 releases reported since the beginning of the UST program, 436,406 (or 85 percent) have been cleaned up, leaving 77,717 remaining to be cleaned up
 - LUST Recovery Act money contributed significantly to closing sites beginning in FY 2010 through mid FY 2013 and are included in the UST program's end of year cleanup totals

- 2,448 cleanups have been completed using LUST Recovery Act money
 - A total of 7,841 UST sites benefitted from LUST Recovery Act money
- 95,827 on-site inspections at federally-regulated UST facilities were conducted between October 2012 and September 2013; of those:
 - 95,459 were conducted by states, territories, and third-party inspectors
 - 368 were conducted by EPA and credentialed tribal inspectors in Indian country

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 End of Year FY 2013 (Data through September 30, 2013)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
ONE								
CT	6,234	26,849	56	2,926	2,913	78	2,105	821
MA	10,470	24,477	35	6,354	6,305	88	6,088	266
ME	2,783	13,207	31	2,688	2,688	46	2,616	72
NH	3,003	11,834	32	2,577	2,577	60	1,944	633
RI	1,579	8,432	10	1,367	1,367	16	1,165	202
VT	3,137	5,965	5	2,140	2,140	28	1,433	707
Subtotal	27,206	90,764	169	18,052	17,990	316	15,351	2,701
TWO								
NJ	14,226	62,700	728	11,618	11,222	1,004	8,649	2,969
NY	23,847	100,119	379	29,090	29,047	511	27,603	1,487
PR	4,496	5,768	0	1,064	834	1	498	566
VI	143	279	0	25	24	5	21	4
Subtotal	42,712	168,866	1,107	41,797	41,127	1,521	36,771	5,026
THREE								
DC	630	3,354	9	901	886	14	804	97
DE	1,243	7,301	58	2,696	2,625	60	2,567	129
MD	7,954	35,347	174	11,932	11,758	215	11,621	311
PA	23,064	65,086	217	15,716	15,606	584	13,582	2,134
VA	18,328	61,697	124	12,184	12,090	160	11,788	396
WV	4,692	20,600	81	3,468	3,387	113	2,735	733
Subtotal	55,911	193,385	663	46,897	46,352	1,146	43,097	3,800

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 End of Year FY 2013 (Data through September 30, 2013)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
FOUR								
AL	18,094	30,444	91	11,764	11,597	110	10,499	1,265
FL	22,389	110,990	160	26,754	17,190	838	14,417	12,337
GA	29,417	49,290	234	13,198	12,968	332	11,834	1,364
KY	10,336	39,477	238	16,120	16,086	698	15,110	1,010
MS	8,269	23,537	97	7,471	7,356	94	7,134	337
NC	26,401	68,990	257	25,491	23,193	410	20,898	4,593
SC	11,801	33,190	101	9,725	9,389	210	7,302	2,423
TN	16,274	37,284	148	14,630	14,630	230	14,263	367
Subtotal	142,981	393,202	1,326	125,153	112,409	2,922	101,457	23,696
FIVE								
IL	20,334	67,703	316	25,745	24,091	750	21,334	4,411
IN	13,159	39,459	129	9,554	9,422	326	7,519	2,035
MI	18,589	69,856	134	22,394	21,969	285	13,522	8,872
MN	12,122	32,965	154	11,127	11,010	224	10,715	412
OH	22,184	45,365	572	30,132	29,877	626	27,895	2,237
WI	14,279	68,050	117	19,233	18,986	271	18,141	1,092
Subtotal	100,667	323,398	1,422	118,185	115,355	2,482	99,126	19,059

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UST Corrective Action Measures for End of Year FY 2013 (Data through September 30, 2013)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
SIX								
AR	8,931	21,355	55	1,636	1,343	48	1,347	289
LA	11,314	34,072	133	4,686	4,686	294	3,958	728
NM	3,773	12,779	13	2,596	2,316	22	1,753	843
OK	10,136	27,494	73	5,019	5,001	83	4,619	400
TX	51,027	119,095	279	26,865	25,974	340	25,137	1,728
Subtotal	85,181	214,795	553	40,802	39,320	787	36,814	3,988
SEVEN								
IA	6,828	23,222	50	6,198	6,088	127	5,174	1,024
KS	6,602	20,802	55	5,106	4,980	63	3,750	1,356
MO	9,211	31,419	101	6,838	6,814	109	5,911	927
NE	6,607	14,927	52	6,339	5,230	127	4,937	1,402
Subtotal	29,248	90,370	258	24,481	23,112	426	19,772	4,709
EIGHT								
CO	7,460	22,411	134	7,953	7,662	170	7,258	695
MT	3,149	11,870	17	3,030	2,892	99	2,116	914
ND	2,225	7,434	5	865	852	2	826	39
SD	2,896	7,202	28	2,682	2,549	49	2,545	137
UT	3,744	13,616	56	4,755	4,700	78	4,379	376
WY	1,766	7,984	9	2,633	2,268	82	1,644	989
Subtotal	21,240	70,517	249	21,918	20,923	480	18,768	3,150

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 End of Year FY 2013 (Data through September 30, 2013)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
NINE								
AS	DNA ¹	DNA ¹	DNA ¹	DNA ¹	DNA ¹	DNA ¹	DNA ¹	DNA ¹
AZ	6,819	21,400	44	8,710	8,211	105	7,999	711
CA	37,184	130,332	101	44,100	41,508	1,089	37,343	6,757
GU	253	458	0	139	139	2	119	20
HI	1,599	5,478	10	2,053	2,016	12	1,907	146
MP	55	29	0	11	10	0	10	1
NV	3,786	7,453	7	2,515	2,515	25	2,361	154
Subtotal	49,696	165,150	162	57,528	54,399	1,233	49,739	7,789
TEN								
AK	1,019	6,676	15	2,366	2,346	35	2,005	361
ID	3,331	10,928	11	1,478	1,450	16	1,360	118
OR	5,737	26,405	63	7,383	7,221	109	6,470	913
WA	10,418	36,565	125	6,722	6,310	91	4,620	2,102
Subtotal	20,505	80,574	214	17,949	17,327	251	14,455	3,494

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

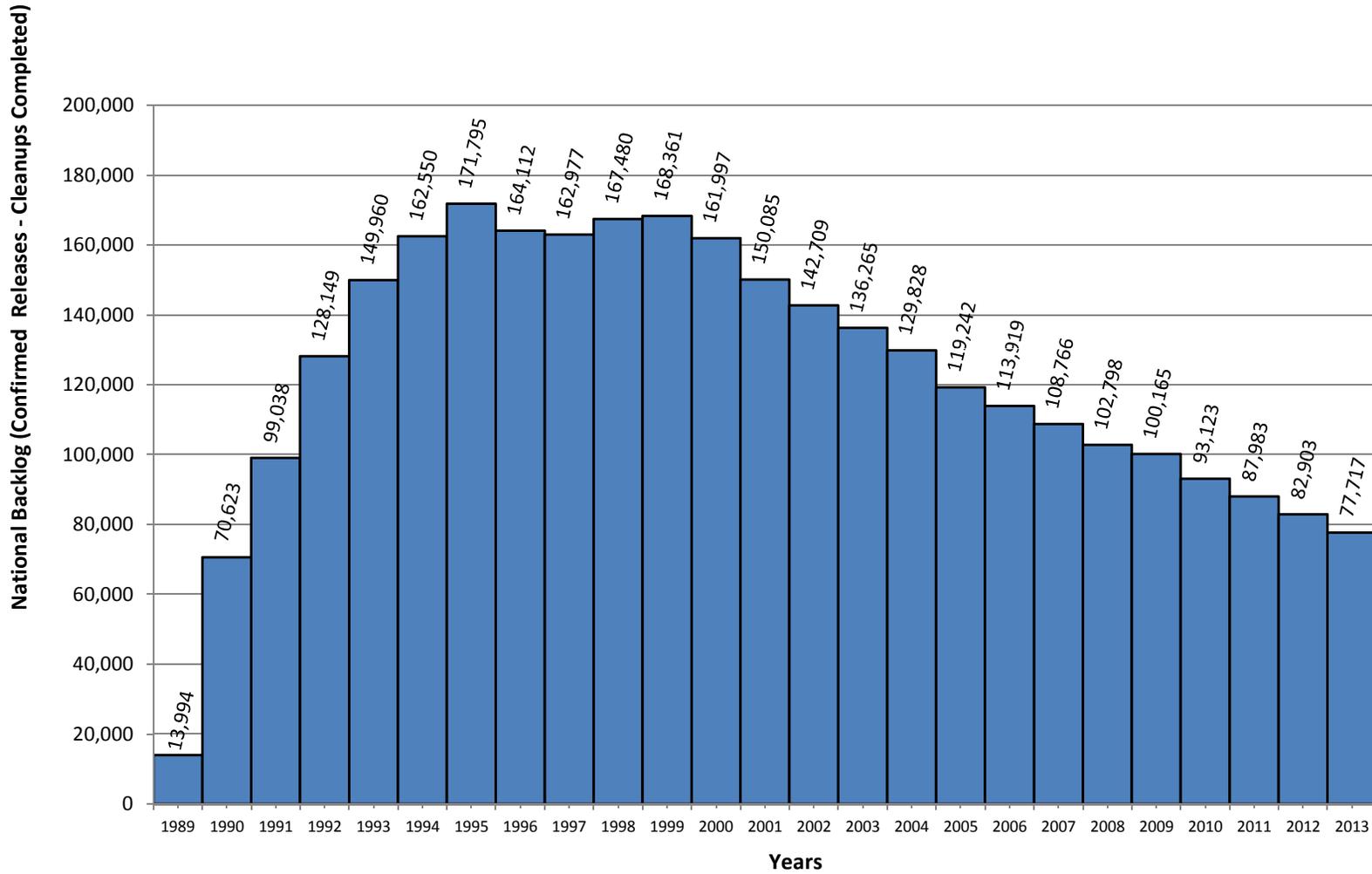
¹ DNA = Data Not Available.

UST Corrective Action Measures for End of Year FY 2013 (Data through September 30, 2013)

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	160	28	0	6	6	0	5	1
REGION 3	0	0	0	0	0	0	0	0
REGION 4	63	64	0	14	14	0	13	1
REGION 5	481	1,032	0	238	223	3	173	65
REGION 6	320	290	1	65	65	3	63	2
REGION 7	80	96	0	20	20	0	13	7
REGION 8	536	2,122	1	534	525	4	390	144
REGION 9	586	1,509	1	293	222	7	221	72
REGION 10	379	1,182	2	182	178	1	170	12
SUBTOTAL	2,618	6,328	5	1,353	1,254	18	1,049	304
	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
NATIONAL TOTAL	577,981	1,797,401	6,128	514,123	489,575	11,582	436,406	77,717

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 End of Year
FY 2013**



**UST Compliance Measures
for End of Year FY 2013 (October 1, 2012 - September 30, 2013)**

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	77%	73%	66%
MA	88%	23%	22%
ME	68%	66%	65%
NH	71%	73%	53%
RI ¹	82%	69%	65%
VT ¹	86%	84%	81%
SUBTOTAL	81%	54%	49%
TWO			
NJ	95%	94%	91%
NY	86%	78%	71%
PR	63%	53%	49%
VI	75%	87%	75%
SUBTOTAL	86%	81%	75%
THREE			
DC	91%	83%	77%
DE	82%	85%	79%
MD	77%	90%	71%
PA	93%	89%	83%
VA	87%	77%	71%
WV	80%	80%	70%
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	92%	78%	74%
FL	98%	75%	75%
GA	80%	70%	64%
KY	74%	73%	61%
MS	81%	78%	69%
NC	83%	80%	75%
SC	86%	85%	76%
TN	91%	88%	81%
SUBTOTAL	86%	78%	72%
FIVE			
IL ¹	75%	72%	63%
IN	82%	92%	78%
MI ¹	78%	62%	55%
MN	86%	86%	82%
OH	88%	71%	67%
WI ¹	DNA ²	DNA ²	DNA ²
SUBTOTAL	82%	75%	67%
SIX			
AR	70%	74%	58%
LA	83%	81%	74%
NM	73%	81%	64%
OK	83%	89%	76%
TX	94%	85%	83%
SUBTOTAL	88%	83%	77%

These compliance rates indicate the percent of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 10/1/12 through 9/30/13. 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.

**UST Compliance Measures
for End of Year FY 2013 (October 1, 2012 - September 30, 2013)**

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	88%	85%	78%
KS ¹	59%	92%	55%
MO ¹	83%	95%	79%
NE	77%	69%	60%
SUBTOTAL	77%	86%	69%
EIGHT			
CO	82%	78%	76%
MT	98%	97%	95%
ND	93%	92%	90%
SD	75%	78%	64%
UT	90%	89%	82%
WY	98%	98%	96%
SUBTOTAL	87%	86%	81%
NINE			
AS	DNA ²	DNA ²	DNA ²
AZ	91%	91%	83%
CA	86%	72%	66%
GU	100%	90%	90%
HI	99%	96%	96%
MP	100%	96%	96%
NV	88%	85%	77%
SUBTOTAL	87%	76%	70%

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	82%	81%	73%
ID ¹	78%	77%	57%
OR	94%	89%	85%
WA	82%	78%	68%
SUBTOTAL	85%	81%	71%
INDIAN COUNTRY			
REGION 1	100%	75%	75%
REGION 2	DNA ²	DNA ²	DNA ²
REGION 3	N/A ³	N/A ³	N/A ³
REGION 4	100%	0%	0%
REGION 5	82%	68%	66%
REGION 6	93%	98%	93%
REGION 7	73%	53%	46%
REGION 8	91%	79%	74%
REGION 9	87%	74%	64%
REGION 10	89%	87%	84%
SUBTOTAL	88%	76%	71%
NATIONAL TOTAL			
TOTAL	85.2%	78.6%	71.6%

These compliance rates indicate the percentage of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 10/1/12 through 9/30/13. 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 EPAAct 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 End of Year FY 2013 (October 1, 2012 - September 30, 2013)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
ONE		
CT	1,016	8
MA	2151	0
ME	1,164	0
NH	552	0
RI	210	2
VT	357	0
SUBTOTAL	5,450	10
TWO		
NJ	1,236	77
NY	3,025	0
PR	606	0
VI	24	0
SUBTOTAL	4,891	77
THREE		
DC	88	0
DE	182	2
MD	1,085	18
PA	3,393	21
VA	2,280	4
WV	599	4
SUBTOTAL	7,627	49

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
FOUR		
AL	3,356	242
FL	5,406	0
GA	2,503	1381
KY	2,018	170
MS	962	58
NC	3,153	81
SC	3,760	449
TN	2,815	186
SUBTOTAL	23,973	2,567
FIVE		
IL	3,587	694
IN	1,513	1
MI	2,626	139
MN	1,583	32
OH	2,757	0
WI	DNA ¹	DNA ¹
SUBTOTAL	12,066	866
SIX		
AR	1,127	80
LA	1,663	7
NM	509	1
OK	3,284	55
TX	8,055	5,306
SUBTOTAL	14,638	5,449

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

¹ DNA = Data Not Available.

**Inspection/Delivery Prohibition Actions
for End of Year FY 2013 (October 1, 2012 - September 30, 2013)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
SEVEN		
IA	2,006	0
KS	1,172	39
MO	986	0
NE	774	0
SUBTOTAL	4,938	39
EIGHT		
CO	1,581	43
MT	531	0
ND	252	0
SD	366	0
UT	912	3
WY	511	2
SUBTOTAL	4,153	48
NINE		
AS	DNA ¹	DNA ¹
AZ	968	2
CA	12,583	143
GU	99	0
HI	315	0
MP	28	0
NV	1,156	22
SUBTOTAL	15,149	167

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
TEN		
AK	157	14
ID	353	0
OR	711	74
WA	1,353	4
SUBTOTAL	2,574	92
INDIAN COUNTRY		
REGION 1	4	0
REGION 2	0	0
REGION 3	N/A ²	N/A ²
REGION 4	3	0
REGION 5	100	0
REGION 6	45	0
REGION 7	15	0
REGION 8	57	0
REGION 9	84	0
REGION 10	60	0
SUBTOTAL	368	0
NATIONAL TOTAL		
TOTAL	95,827	9,364

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

¹ DNA = Data Not Available.

² N/A = Not Applicable. EPA Region 3 does not have any federally recognized tribes.