

US EPA ARCHIVE DOCUMENT

Semiannual Report Of UST Performance Measures End Of Fiscal Year 2012 (October 1, 2011 – September 30, 2012)

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) 2012 report?

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

FY 2012 UST Program Performance	FY 2012 UST Program Goal
Missed the FY 2012 goal, but completed 10,927 cleanups (or 97.1 percent), including 47 in Indian country	Complete 11,250 cleanups, including 42 in Indian country
Exceeded the FY 2012 goal by achieving a significant operational compliance rate of 71.4 percent	Achieve a significant operational compliance rate of 66.5 percent
Exceeded the FY 2012 goal by decreasing newly-confirmed releases to 5,674	Decrease newly-confirmed releases to fewer than 8,120

What other highlights are included in the end of FY 2012 report?

- There are 583,508 active USTs (at approximately 214,000 sites) which are regulated by EPA's UST program
- Since the 1984 inception of the UST program, 1,777,339 USTs have been closed
- Of the 507,540 releases reported since the beginning of the UST program, 424,637 (or 83.6 percent) have been cleaned up, leaving 82,903 remaining to be cleaned up
 - LUST Recovery Act money contributed significantly to closing sites beginning in FY 2010 through the present and are included in the UST program's end of year cleanup totals; 2,449 sites have been closed overall using LUST Recovery Act money, 832 of which were closed in FY 2012

- 99,235 on-site inspections at federally-regulated UST facilities were conducted between October 2011 and September 2012; of those:
 - 98,869 were conducted by states, territories, and third-party inspectors
 - 366 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 2012 (Data through September 30, 2012)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
ONE								
CT	6,403	26,636	61	2,870	2,823	92	2,027	843
MA	10,055	24,784	38	6,319	6,289	61	6,000	319
ME	2,838	13,108	27	2,638	2,602	39	2,596	42
NH	3,047	11,708	44	2,545	2,545	71	1,884	661
RI	1,631	8,333	13	1,357	1,357	18	1,149	208
VT	3,189	5,856	10	2,051	2,039	40	1,441	610
Subtotal	27,163	90,425	193	17,780	17,655	321	15,097	2,683
TWO								
NJ	14,693	61,123	239	10,890	10,602	913	7,645	3,245
NY	24,926	94,326	336	28,666	28,633	633	26,976	1,690
PR	4,492	5,764	12	1,063	827	4	496	567
VI	144	278	1	25	24	1	16	9
Subtotal	44,255	161,491	588	40,644	40,086	1,551	35,133	5,511
THREE								
DC	639	3,328	22	889	875	18	788	101
DE	1,278	7,220	45	2,640	2,565	71	2,504	136
MD	8,124	34,962	149	11,771	11,595	210	11,409	362
PA	23,339	64,451	216	15,499	15,398	412	12,998	2,501
VA	18,464	61,287	149	12,030	11,970	196	11,616	414
WV	4,882	20,230	57	3,387	3,319	103	2,643	744
Subtotal	56,726	191,478	638	46,216	45,722	1,010	41,958	4,258

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 2012 (Data through September 30, 2012)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
FOUR								
AL	18,214	30,244	99	11,673	11,546	130	10,389	1,284
FL	22,604	110,304	150	26,594	16,667	642	13,579	13,015
GA	29,315	49,005	221	12,964	12,732	290	11,505	1,459
KY	10,691	38,993	239	15,882	15,843	611	14,412	1,470
MS	8,333	23,408	96	7,374	7,265	91	7,040	334
NC	26,738	68,418	142	25,122	23,037	435	20,487	4,635
SC	11,812	33,045	91	9,624	9,308	212	7,092	2,532
TN	16,411	36,995	143	14,473	14,467	206	14,033	440
Subtotal	144,118	390,412	1,181	123,706	110,865	2,617	98,537	25,169
FIVE								
IL	20,599	67,051	367	25,429	23,794	807	20,584	4,845
IN	13,289	37,942	152	9,427	9,306	204	7,455	1,972
MI	18,807	69,426	140	22,260	21,838	162	13,237	9,023
MN	12,066	32,893	189	10,973	10,827	276	10,487	486
OH	22,313	44,578	615	29,560	29,050	662	27,269	2,291
WI	14,493	67,683	111	19,116	18,931	244	17,837	1,279
Subtotal	101,567	319,573	1,574	116,765	113,746	2,355	96,869	19,896

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 2012 (Data through September 30, 2012)

Region / State	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
SIX								
AR	8,996	21,181	36	1,575	1,295	33	1,294	281
LA	11,481	33,734	218	4,553	4,553	309	3,664	889
NM	3,809	12,719	23	2,607	1,930	43	1,905	702
OK	10,301	27,111	69	4,946	4,930	69	4,536	410
TX	51,246	118,145	276	26,586	25,678	366	24,797	1,789
Subtotal	85,833	212,890	622	40,267	38,386	820	36,196	4,071
SEVEN								
IA	6,854	23,087	47	6,152	5,864	128	5,072	1,080
KS	6,682	20,620	49	5,047	4,934	99	3,687	1,360
MO	9,343	31,132	115	6,738	6,721	130	5,800	938
NE	6,645	14,839	55	6,290	5,108	130	4,809	1,481
Subtotal	29,524	89,678	266	24,227	22,627	487	19,368	4,859
EIGHT								
CO	7,531	22,233	153	7,819	7,564	183	7,088	731
MT	3,140	12,574	20	2,981	2,855	50	2,033	948
ND	2,207	7,387	1	855	843	2	815	40
SD	2,936	7,117	21	2,654	2,525	16	2,496	158
UT	3,772	13,500	70	4,687	4,593	93	4,285	402
WY	1,793	8,011	6	2,627	2,122	95	1,567	1,060
Subtotal	21,379	70,822	271	21,623	20,502	439	18,284	3,339

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 2012 (Data through September 30, 2012)

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	104	0	16	14	0	14	2
AZ	6,989	21,213	70	8,666	8,176	80	7,894	772
CA	37,782	129,302	85	43,876	40,768	892	36,173	7,703
GU	258	452	0	139	139	0	117	22
HI	1,579	5,441	10	2,043	2,015	20	1,894	149
MP	67	29	0	11	10	0	10	1
NV	3,818	7,361	26	2,503	2,503	16	2,335	168
Subtotal	50,509	163,902	191	57,254	53,625	1,008	48,437	8,817
TEN								
AK	1,038	6,641	12	2,351	2,334	46	1,970	381
ID	3,477	10,700	10	1,463	1,439	20	1,340	123
OR	5,794	26,287	56	7,322	7,157	99	6,362	960
WA	9,581	37,033	57	6,597	6,228	107	4,060	2,537
Subtotal	19,890	80,661	135	17,733	17,158	272	13,732	4,001

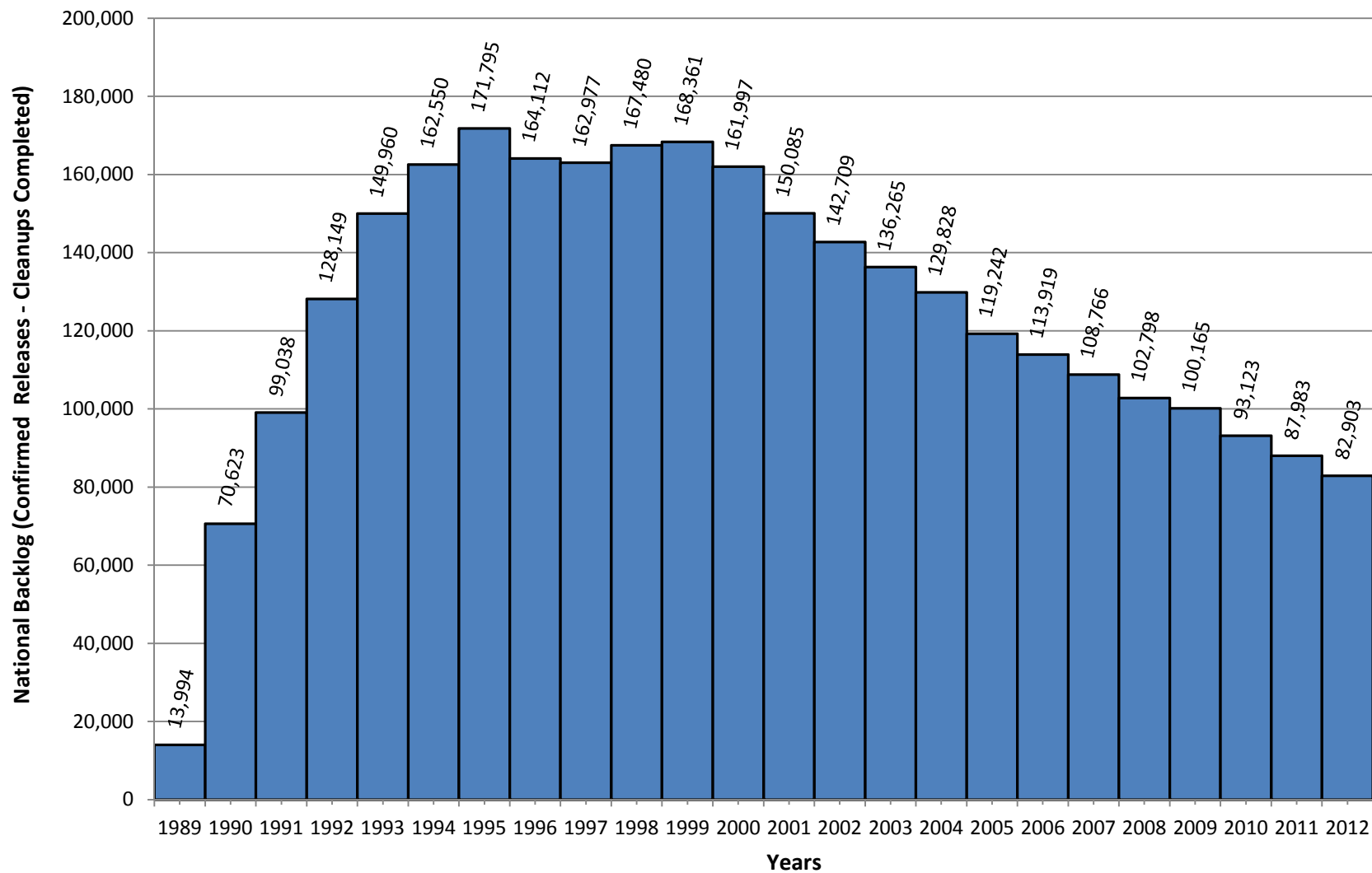
Definition of confirmed releases, cleanups initiated, and cleanups completed are on EPA's website at www.epa.gov/oust/cat/PMDefinitions.pdf

UST Corrective Action Measures for End of Year FY 2012 (Data through September 30, 2012)

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	9	5	0	1	1	0	1	0
REGION 2	132	28	0	6	5	0	5	1
REGION 3	0	0	0	0	0	0	0	0
REGION 4	63	68	0	14	14	0	13	1
REGION 5	461	1,015	8	238	223	6	170	68
REGION 6	308	277	2	66	65	3	62	4
REGION 7	91	93	1	21	21	2	15	6
REGION 8	538	1,976	2	521	514	20	377	144
REGION 9	577	1,518	1	276	222	10	214	62
REGION 10	365	1,027	1	182	177	6	169	13
SUBTOTAL	2,544	6,007	15	1,325	1,242	47	1,026	299
	Active Tanks	Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Remaining
			Actions This Year	Cumulative		Actions This Year	Cumulative	
NATIONAL TOTAL	583,508	1,777,339	5,674	507,540	481,614	10,927	424,637	82,903

Definition 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 2012



UST Compliance Measures
for End of Year FY 2012 (October 1, 2011 - September 30, 2012)

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	86%	82%	78%
MA	90%	33%	32%
ME	69%	67%	66%
NH	69%	73%	51%
RI ¹	87%	76%	68%
VT ¹	79%	83%	74%
SUBTOTAL	83%	61%	56%
TWO			
NJ	95%	95%	90%
NY	87%	78%	73%
PR	56%	33%	22%
VI	94%	90%	90%
SUBTOTAL	87%	79%	73%
THREE			
DC	94%	94%	88%
DE	76%	85%	70%
MD	73%	89%	67%
PA	93%	89%	83%
VA	83%	73%	65%
WV	82%	78%	70%
SUBTOTAL	86%	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	91%	79%	74%
FL	98%	82%	81%
GA	82%	70%	66%
KY	77%	81%	67%
MS	80%	80%	71%
NC	84%	78%	74%
SC	87%	86%	78%
TN	88%	87%	80%
SUBTOTAL	87%	79%	74%
FIVE			
IL ¹	86%	72%	59%
IN	83%	91%	69%
MI ¹	85%	60%	55%
MN	81%	83%	76%
OH	89%	72%	68%
WI ¹	88%	84%	76%
SUBTOTAL	86%	75%	66%
SIX			
AR	66%	72%	53%
LA	84%	82%	74%
NM	81%	84%	71%
OK	82%	83%	73%
TX	92%	85%	83%
SUBTOTAL	86%	83%	77%

These compliance rates indicate the percentage of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 10/1/11 through 9/30/12. According to EPA guidelines, states are allowed to report based on requirements more stringent than the federal SOC requirements. States identified with footnote 1 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 End of Year FY 2012 (October 1, 2011 - September 30, 2012)

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	86%	81%	71%
KS	58%	92%	55%
MO ¹	71%	87%	64%
NE	82%	77%	69%
SUBTOTAL	72%	85%	66%
EIGHT			
CO	87%	84%	78%
MT	98%	96%	95%
ND	87%	87%	79%
SD	75%	77%	65%
UT	88%	88%	81%
WY	96%	96%	92%
SUBTOTAL	88%	87%	81%
NINE			
AS	DNA ²	DNA ²	DNA ²
AZ	86%	85%	75%
CA	86%	74%	68%
GU	92%	73%	73%
HI	99%	95%	94%
MP	96%	96%	96%
NV	79%	72%	63%
SUBTOTAL	86%	76%	69%

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	84%	80%	72%
ID ¹	84%	79%	74%
OR	92%	90%	86%
WA	82%	74%	64%
SUBTOTAL	85%	80%	72%
INDIAN COUNTRY			
REGION 1	DNA ²	DNA ²	DNA ²
REGION 2	DNA ²	DNA ²	DNA ²
REGION 3	N/A ³	N/A ³	N/A ³
REGION 4	83%	83%	66%
REGION 5	96%	67%	67%
REGION 6	94%	83%	83%
REGION 7	100%	75%	75%
REGION 8	90%	92%	82%
REGION 9	89%	84%	79%
REGION 10	92%	90%	88%
SUBTOTAL	92%	93%	79%
NATIONAL TOTAL			
TOTAL	85.5%	78.9%	71.4%

These compliance rates indicate the percentage of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 10/1/11 through 9/30/12. According to EPA guidelines, states are allowed to report based on requirements more stringent than the federal SOC requirements. States identified with footnote ¹ 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. No inspections performed this reporting period.

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 3-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 Energy Policy Act 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.

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 protection 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 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 (National Fire Prevention Association standard 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: Deferral

- No exclusion or deferral for release detection 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 2012 (October 1, 2011 - September 30, 2012)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
ONE		
CT	695	6
MA	1,257	0
ME	1,672	0
NH	389	4
RI	193	1
VT	350	2
SUBTOTAL	4,556	13
TWO		
NJ	1,490	107
NY	3,027	1
PR	663	0
VI	24	0
SUBTOTAL	5,204	108
THREE		
DC	52	0
DE	121	17
MD	956	13
PA	3,499	53
VA	2,143	7
WV	598	3
SUBTOTAL	7,369	93

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
FOUR		
AL	3,371	223
FL	6,627	447
GA	3,495	593
KY	1,767	76
MS	972	72
NC	3,027	53
SC	3,985	551
TN	2,628	66
SUBTOTAL	25,872	2,081
FIVE		
IL	2,870	443
IN	1,494	6
MI	2,356	121
MN	1,539	5
OH	2,970	26
WI	3,292	168
SUBTOTAL	14,521	769
SIX		
AR	1,307	132
LA	1,450	40
NM	687	0
OK	3,477	71
TX	7,565	0
SUBTOTAL	14,486	243

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 2012 (October 1, 2011 - September 30, 2012)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
SEVEN		
IA	515	17
KS	1,383	47
MO	1,802	3
NE	693	0
SUBTOTAL	4,393	67
EIGHT		
CO	1,597	39
MT	408	2
ND	374	0
SD	402	0
UT	930	4
WY	478	7
SUBTOTAL	4,189	52
NINE		
AS	0	0
AZ	572	1
CA	13,825	154
GU	40	0
HI	383	0
MP	39	0
NV	1,131	7
SUBTOTAL	15,990	162

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
TEN		
AK	171	10
ID	459	0
OR	455	56
WA	1,204	0
SUBTOTAL	2,289	66
INDIAN COUNTRY		
REGION 1	0	0
REGION 2	0	0
REGION 3	N/A ²	N/A ²
REGION 4	6	0
REGION 5	72	0
REGION 6	36	0
REGION 7	4	0
REGION 8	77	0
REGION 9	117	0
REGION 10	54	0
SUBTOTAL	366	0
NATIONAL TOTAL		
TOTAL	99,235	3,654

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.