

Semiannual Report Of UST Performance Measures End Of Fiscal Year 2010 – As Of September 30, 2010

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 web site www.epa.gov/oust/cat/camarchv.htm under Definitions.

What is in the end of fiscal year (FY) 2010 report?

	Page
UST Corrective Action Measures For End Of Year FY 2010	
Alphabetical By State Within Region	1
National Totals	5
UST National Backlog Graph	6
UST Compliance Measures For End Of Year FY 2010	7
States With More Stringent SOC Requirements	9
Inspection/Delivery Prohibition Actions End Of Year FY 2010	11

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

FY 2010 UST Program Goal	FY 2010 UST Program Performance
Complete 12,250 cleanups, including 30 in Indian country	Missed the FY 2010 goal but completed 11,591 cleanups (94.6 percent), including 62 in Indian country
Achieve a significant operational compliance rate of 65.5 percent	Exceeded the FY 2010 goal by achieving a significant operational compliance rate of 68.6 percent
Decrease newly-confirmed releases to fewer than 9,000	Exceeded the FY 2010 goal by decreasing newly-confirmed releases to 6,328

What other highlights are included in the end of FY 2010 report?

- There are 597,333 active USTs (at approximately 215,000 sites) which are regulated by EPA's UST program
- Since the 1984 inception of the UST program, 1,748,204 USTs have been closed
- Of the 494,997 releases reported since the beginning of the UST program, 401,874 (or 81 percent) have been cleaned up, leaving a backlog of 93,123 remaining to be cleaned up
- 106,725 on-site inspections at federally-regulated UST facilities were conducted between October 2009 and September 2010; of those:
 - 106,353 were conducted by states, territories, and third-party inspectors



- 372 were conducted by EPA and credentialed tribal inspectors in Indian country

Where can I find performance data from previous years?

EPA's web site 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 Matt Young, EPA's Office of Underground Storage Tanks, at young.matthew@epa.gov or 703-603-7143.



UST Corrective Action Measures for End of Year FY 2010 (Cumulative as of September 30, 2010)

Region / State	Number of Active Tanks	Number of Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Backlog	Emergency Responses
			Actions This Year	Cumulative		Actions This Year	Cumulative		
ONE									
CT	4,260	26,682	69	2,741	2,683	54	1,871	870	121
MA	11,321	27,116	27	6,229	6,195	67	5,859	370	5,229
ME	2,923	12,945	54	2,568	2,542	44	2,508	60	593
NH	3,097	11,485	61	2,457	2,454	81	1,747	710	694
RI	1,645	8,224	12	1,336	1,336	25	1,103	233	27
VT	3,165	5,717	18	2,026	2,013	49	1,351	675	316
SUBTOTAL	26,411	92,169	241	17,357	17,223	320	14,439	2,918	6,980
TWO									
NJ	15,500	59,343	120	10,551	9,700	262	6,533	4,018	56
NY	26,366	91,013	532	27,774	27,777	813	25,712	2,062	1,354
PR	4,498	5,731	0	1,042	822	9	495	547	190
VI	144	278	0	24	23	0	13	11	14
SUBTOTAL	46,508	156,365	652	39,391	38,322	1,084	32,753	6,638	1,614
THREE									
DC	655	3,259	11	881	866	55	746	135	269
DE	1,362	7,054	66	2,532	2,429	75	2,344	188	419
MD	8,056	33,965	211	11,436	11,244	274	10,921	515	343
PA	23,830	63,195	182	15,062	14,965	387	12,162	2,900	28
VA	18,954	60,213	224	11,678	11,606	274	11,151	527	63
WV	5,512	19,869	67	3,276	3,134	117	2,422	854	11
SUBTOTAL	58,369	187,555	761	44,865	44,244	1,182	39,746	5,119	1,133

Definitions of confirmed releases, cleanups initiated, and cleanups completed are on OUST's Web site at <http://www.epa.gov/oust/cat/camarchv.htm>.

UST Corrective Action Measures for End of Year FY 2010 (Cumulative as of September 30, 2010)

Region / State	Number of Active Tanks	Number of Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Backlog	Emergency Responses
			Actions This Year	Cumulative		Actions This Year	Cumulative		
FOUR									
AL	18,495	29,833	69	11,467	11,359	106	10,144	1,323	467
FL	23,472	108,421	318	26,273	15,973	684	12,308	13,965	204
GA	29,487	48,050	223	12,542	12,295	314	10,849	1,693	2
KY	11,465	37,984	341	14,616	14,584	403	12,671	1,945	202
MS	8,550	23,060	123	7,154	7,054	115	6,836	318	131
NC	27,252	67,488	268	24,823	22,908	503	19,588	5,235	671
SC	11,846	32,765	120	9,439	9,151	284	6,642	2,797	99
TN	16,526	36,545	195	14,157	14,139	189	13,656	501	69
SUBTOTAL	147,093	384,146	1,657	120,471	107,463	2,598	92,694	27,777	1,845
FIVE									
IL	21,664	65,522	370	24,728	23,165	859	18,948	5,780	1,890
IN	13,494	37,424	277	9,226	8,844	312	7,047	2,179	304
MI	19,273	68,555	164	21,979	21,543	232	12,887	9,092	82
MN	12,519	32,163	205	10,621	10,417	280	9,964	657	702
OH	22,797	43,658	386	28,403	27,615	716	25,913	2,490	417
WI	14,833	66,896	101	18,904	18,597	274	16,871	2,033	387
SUBTOTAL	104,580	314,218	1,503	113,861	110,181	2,673	91,630	22,231	3,782

UST Corrective Action Measures for End of Year FY 2010 (Cumulative as of September 30, 2010)

Region / State	Number of Active Tanks	Number of Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Backlog	Emergency Responses
			Actions This Year	Cumulative		Actions This Year	Cumulative		
SIX									
AR	9,137	20,869	39	1,492	1,182	38	1,194	298	26
LA	11,902	32,991	204	4,102	4,102	304	3,028	1,074	850
NM	3,907	12,535	23	2,565	1,888	43	1,828	737	87
OK	10,617	26,493	96	4,816	4,800	155	4,475	341	150
TX	52,266	116,248	246	26,059	24,968	601	23,731	2,328	596
SUBTOTAL	87,829	209,136	608	39,034	36,940	1,141	34,256	4,778	1,709
SEVEN									
IA	7,643	22,324	46	6,033	5,696	135	4,776	1,257	250
KS	6,836	20,245	33	4,950	4,850	85	3,472	1,478	123
MO	9,533	30,600	117	6,601	6,545	177	5,559	1,042	389
NE	6,767	14,624	37	6,186	4,847	125	4,547	1,639	14
SUBTOTAL	30,779	87,793	233	23,770	21,938	522	18,354	5,416	776
EIGHT									
CO	7,759	21,816	239	7,460	7,320	217	6,672	788	43
MT	3,147	12,498	8	3,003	2,813	36	1,959	1,044	47
ND	2,121	7,137	4	838	825	7	827	11	5
SD	2,983	7,032	13	2,486	2,435	43	2,430	56	23
UT	3,927	13,188	79	4,542	4,486	74	4,118	424	6
WY	1,839	7,991	3	2,630	2,006	34	1,323	1,307	73
SUBTOTAL	21,776	69,662	346	20,959	19,885	411	17,329	3,630	197

Definitions of confirmed releases, cleanups initiated, and cleanups completed are on OUST's Web site at <http://www.epa.gov/oust/cat/camarchv.htm>.

UST Corrective Action Measures for End of Year FY 2010 (Cumulative as of September 30, 2010)

Region / State	Number of Active Tanks	Number of Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Backlog	Emergency Responses
			Actions This Year	Cumulative		Actions This Year	Cumulative		
NINE									
AS	16	52	0	8	7	0	7	1	1
AZ	7,047	20,976	29	8,552	8,068	153	7,711	841	0
CA	38,243	127,942	128	43,422	43,414	1179	33,995	9,427	0
CNMI	67	29	1	11	10	1	10	1	0
GU	257	445	1	139	138	3	116	23	0
HI	1,600	5,384	26	2,019	1,977	32	1,794	225	0
NV	3,803	7,036	1	2,461	2,460	10	2,300	161	52
SUBTOTAL	51,033	161,864	186	56,612	56,074	1,378	45,933	10,679	53
TEN									
AK	1,159	6,474	12	2,313	2,248	46	1,871	442	47
ID	3,414	10,594	19	1,443	1,411	31	1,307	136	12
OR	5,828	26,122	51	7,231	6,993	89	6,124	1,107	56
WA	9,886	36,401	33	6,475	6,410	54	4,518	1,957	39
SUBTOTAL	20,287	79,591	115	17,462	17,062	220	13,820	3,642	154

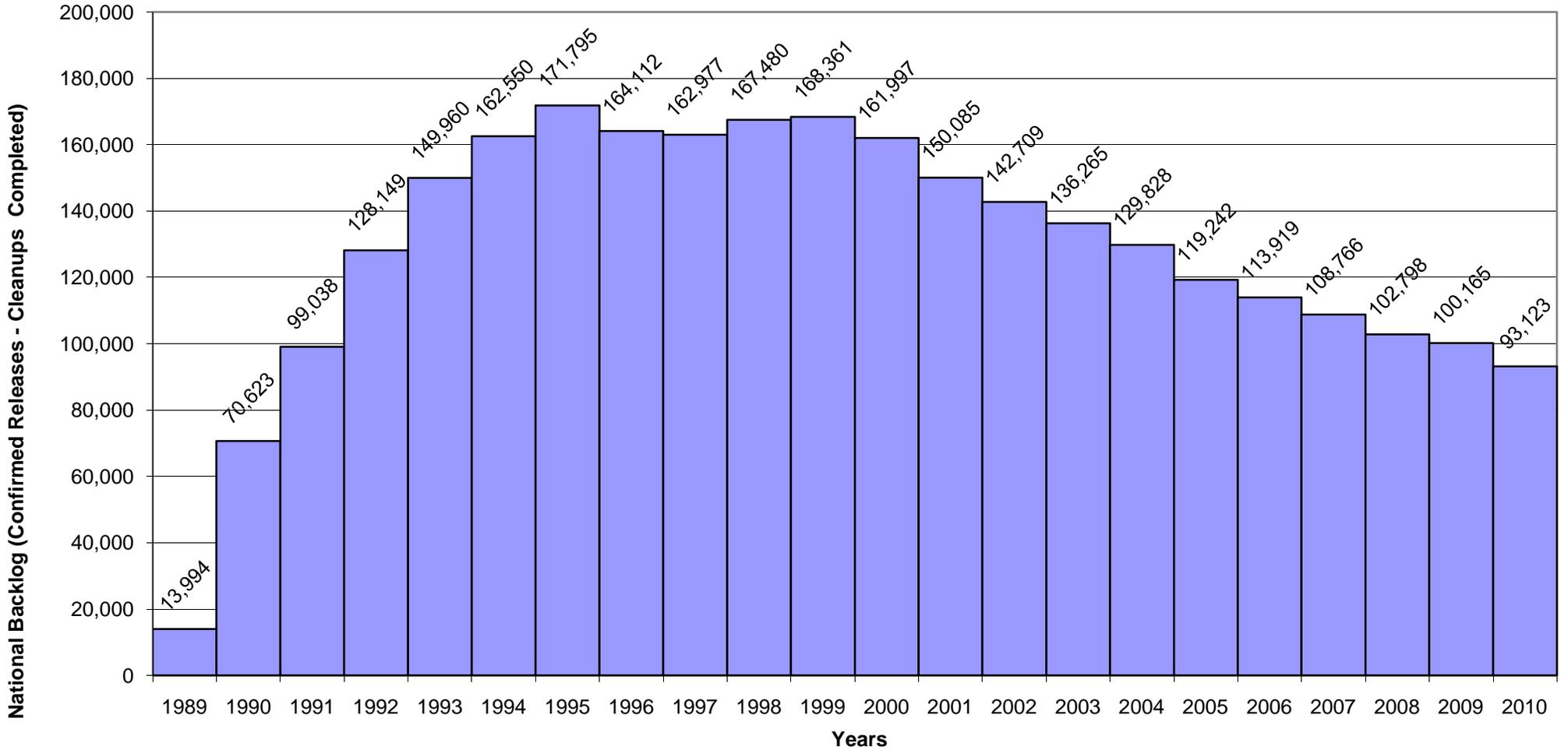
Definitions of confirmed releases, cleanups initiated, and cleanups completed are on OUST's Web site at <http://www.epa.gov/oust/cat/camarchv.htm>.

UST Corrective Action Measures for End of Year FY 2010 (Cumulative as of September 30, 2010)

Region / State	Number of Active Tanks	Number of Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Backlog	Emergency Responses
			Actions This Year	Cumulative		Actions This Year	Cumulative		
REGIONAL CORRECTIVE ACTIONS FOR INDIAN COUNTRY									
REGION 1	7	5	0	0	0	0	0	0	0
REGION 2	132	28	0	6	2	0	5	1	0
REGION 3	0	0	0	0	0	0	0	0	0
REGION 4	64	61	0	14	14	1	12	2	2
REGION 5	482	999	4	225	213	4	158	67	0
REGION 6	307	265	2	57	55	1	51	6	1
REGION 7	91	93	0	20	21	1	12	8	0
REGION 8	552	1,956	10	463	435	37	331	132	5
REGION 9	701	1,291	6	252	214	12	194	58	0
REGION 10	332	1,007	4	178	174	6	157	21	3
SUBTOTAL	2,668	5,705	26	1,215	1,128	62	920	295	11
NATIONAL TOTAL									
	Number of Active Tanks	Number of Closed Tanks	Confirmed Releases		Cleanups Initiated	Cleanups Completed		Cleanups Backlog	Emergency Responses
			Actions This Year	Cumulative		Actions This Year	Cumulative		
NATIONAL TOTAL	597,333	1,748,204	6,328	494,997	470,460	11,591	401,874	93,123	18,254

Definitions of confirmed releases, cleanups initiated, and cleanups completed are on OUST's Web site at <http://www.epa.gov/oust/cat/camarchv.htm>.

UST National Backlog: FY 1989 Thru End Of Year FY 2010



**UST Compliance Measures
for End of Year FY 2010 (as of September 30, 2010)**

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	82%	72%	67%
MA	76%	61%	50%
ME	81%	68%	62%
NH	68%	73%	51%
*RI	82%	72%	61%
*VT	82%	83%	77%
SUBTOTAL	78%	68%	58%
TWO			
NJ	93%	93%	88%
NY	87%	79%	75%
PR	48%	38%	35%
VI	88%	88%	75%
SUBTOTAL	85%	79%	75%
THREE			
DC	90%	78%	78%
DE	72%	75%	61%
MD	97%	98%	95%
PA	92%	87%	81%
VA	78%	67%	59%
WV	69%	68%	58%
SUBTOTAL	86%	80%	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%	81%	75%
FL	97%	77%	76%
GA	81%	70%	65%
KY	64%	66%	49%
MS	75%	74%	61%
NC	77%	76%	70%
SC	85%	86%	77%
TN	85%	85%	76%
SUBTOTAL	83%	77%	70%
FIVE			
*IL	73%	71%	55%
IN	77%	83%	71%
*MI	80%	55%	49%
MN	71%	77%	66%
OH	87%	66%	63%
*WI	88%	83%	75%
SUBTOTAL	80%	71%	62%
SIX			
AR	60%	70%	50%
LA	74%	76%	**DNA
NM	66%	79%	57%
OK	84%	86%	76%
TX	80%	78%	72%
SUBTOTAL	77%	78%	69%

These compliance rates indicate the percentage of recently-inspected facilities found to be in significant operational compliance (SOC) with federal UST requirements from 10/1/09 through 9/30/10. In accordance with EPA guidelines, states are allowed to report based on requirements more stringent than the federal SOC requirements. Connecticut, Illinois, Michigan, Rhode Island, Vermont, and Wisconsin indicated they had done so, as described in the following section. 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.

* States reporting based on requirements more stringent than the federal SOC requirements

** DNA = Data Not Available N/A = Not Applicable

**UST Compliance Measures
for End of Year FY 2010 (as of September 30, 2010)**

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%	67%	63%
KS	64%	92%	57%
MO	86%	97%	84%
NE	72%	60%	50%
SUBTOTAL	77%	80%	65%
EIGHT			
CO	85%	77%	69%
MT	91%	92%	84%
ND	90%	91%	84%
SD	75%	78%	66%
UT	86%	81%	72%
WY	96%	97%	93%
SUBTOTAL	86%	83%	75%
NINE			
AS	100%	100%	100%
AZ	91%	93%	88%
CA	78%	85%	70%
CNMI	97%	100%	95%
GU	89%	93%	90%
HI	98%	91%	90%
NV	88%	84%	75%
SUBTOTAL	81%	86%	74%

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	83%	76%	67%
ID	77%	63%	50%
OR	92%	90%	85%
WA	78%	66%	58%
SUBTOTAL	82%	73%	65%
INDIAN COUNTRY			
REGION 1	50%	100%	50%
REGION 2	**DNA	**DNA	**DNA
REGION 3	**NA	**NA	**NA
REGION 4	90%	70%	70%
REGION 5	47%	50%	28%
REGION 6	92%	82%	82%
REGION 7	73%	73%	66%
REGION 8	91%	86%	80%
REGION 9	89%	82%	75%
REGION 10	75%	75%	61%
SUBTOTAL	80%	76%	67%
NATIONAL TOTAL			
TOTAL	81.3%	77.1%	68.6%

These compliance rates indicate the percentage of recently-inspected facilities found to be in significant operational compliance (SOC) with federal UST requirements from 10/1/09 through 9/30/10. In accordance with EPA guidelines, states are allowed to report based on requirements more stringent than the federal SOC requirements. Connecticut, Illinois, Michigan, Rhode Island, Vermont, and Wisconsin indicated they had done so, as described in the following section. 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.

* States reporting based on requirements more stringent than the federal SOC requirements

** DNA = Data Not Available N/A = Not Applicable

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.

ILLINOIS

Release Detection: Testing

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

MICHIGAN

Release Detection

- Inventory control is required when using an automatic tank gauge (ATG).

OKLAHOMA

Release Prevention: Spill Prevention

- Ball floats not allowed as overflow prevention for any tank installed after 2001.

Release Prevention: Operation and Maintenance of Cathodic Protection

- Requires the previous 12 months of cathodic protection 60-day rectifier readings to be available for review.

Release Prevention: Operation and Maintenance

- Monthly monitoring records not allowed to declare a lined tank is tight.

Release Detection: Testing

- Failed testing results must be submitted to the state within 7 days.
- Automatic tank gauges (ATGs) that cannot detect a 0.1 gallon per hour leak rate monthly are required to have monthly inventory reconciliation in addition to ATG test.
- Statistical inventory control (SIR) cannot be used as sole method or release detection for piping.
- Annual function test of all mechanical and electronic line leak detectors, as well as dispenser and tank sump sensors, is required by simulating a leak.
- Monthly alarm history and sensor status reports must be printed if used with interstitial monitoring in lieu of annual line test.

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 overflow 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 End of Year FY 2010 (as of September 30, 2010)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
ONE		
CT	1,071	1
MA	3,564	0
ME	1,148	2
NH	633	84
RI	169	1
VT	379	0
SUBTOTAL	6,964	88
TWO		
NJ	1,882	67
NY	4,934	0
PR	1,187	0
VI	23	0
SUBTOTAL	8,026	67
THREE		
DC	51	105
DE	187	1
MD	1,170	18
PA	3,108	78
VA	2,088	0
WV	711	2
SUBTOTAL	7,315	204

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
FOUR		
AL	2,928	194
FL	8,509	0
GA	4,594	533
KY	1,904	0
MS	1,185	12
NC	3,456	103
SC	3,761	358
TN	2,596	114
SUBTOTAL	28,933	1,314
FIVE		
IL	3,347	497
IN	1,943	0
MI	3,013	159
MN	1,753	14
OH	3,922	0
WI	5,331	212
SUBTOTAL	19,309	882
SIX		
AR	1,703	273
LA	1,567	17
NM	793	0
OK	4,160	366
TX	1,367	2,696
SUBTOTAL	9,590	3,352

The inspection and enforcement action reporting period is from 10/1/09 through 9/30/10. Not all states fully implement delivery prohibition at this time, and some states prohibit deliveries primarily for registration violations.

* DNA = Data Not Available N/A = Not Applicable

**Inspection/Delivery Prohibition Actions
for End of Year FY 2010 (as of September 30, 2010)**

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
SEVEN		
IA	529	18
KS	870	496
MO	1,091	3
NE	892	0
SUBTOTAL	3,382	517
EIGHT		
CO	1,858	4
MT	260	0
ND	307	1
SD	447	0
UT	1,236	24
WY	417	5
SUBTOTAL	4,525	34
NINE		
AS	6	2
AZ	715	0
CA	13,444	142
CNMI	36	0
GU	55	0
HI	342	0
NV	934	0
SUBTOTAL	15,532	144

Region / State	Number of On-Site Inspections Conducted	Number of Delivery Prohibition Actions
TEN		
AK	357	130
ID	763	0
OR	577	61
WA	1,080	0
SUBTOTAL	2,777	191
INDIAN COUNTRY		
REGION 1	2	0
REGION 2	0	0
REGION 3	*N/A	*N/A
REGION 4	10	0
REGION 5	68	0
REGION 6	39	0
REGION 7	15	0
REGION 8	77	0
REGION 9	108	0
REGION 10	53	0
SUBTOTAL	372	0
NATIONAL TOTAL		
TOTAL	106,725	6,793

The inspection and enforcement action reporting period is from 10/1/09 through 9/30/10. Not all states fully implement delivery prohibition at this time, and some states prohibit deliveries primarily for registration violations.

* DNA = Data Not Available N/A = Not Applicable