# *Semiannual Report Of UST Performance Measures*
# *Mid Fiscal Year 2016 (October 1, 2015 - March 31, 2016)*

## 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) 2016 report?



## How does the UST program's performance at mid FY 2016 compare with its FY 2016 goals and mid FY 2015 performance?

| Mid FY 2016 UST Program Performance | Compare With FY 2016 UST Program Goal | Compare With Mid FY 2015 UST Program Performance |
|---|---|---|
| Completed 4,597 cleanups (including 11 in Indian country) | Complete 8,600 or more cleanups, including 26 or more in Indian country | At mid FY 2015, completed 5,017 cleanups (including 13 in Indian country) |
| 73.1 percent significant operational compliance rate | Achieve a significant operational compliance rate of 71 percent or higher | At mid FY 2015, the significant operational compliance rate was 71.8 percent |
| Confirmed 2,591 releases | Decrease newly-confirmed releases to fewer than 6,615 | At mid FY 2015, confirmed 3,378 releases |
| 13.6 percent of confirmed releases at UST facilities remaining to be cleaned up | Reduce to 13 percent or less the percent of confirmed releases at UST facilities remaining to be cleaned up | At mid FY 2015, reduced to 13.8 percent the percent of confirmed releases at UST facilities remaining to be cleaned up |

## What other highlights are included in the mid FY 2016 report?

- There are 562,751 active USTs (at approximately 202,000 sites) which are regulated by EPA's UST program
- Since the 1984 inception of the UST program, 1,832,048 USTs have been properly closed
- Of the 529,390 releases reported since the beginning of the UST program, 457,344 (or 86.4 percent) have been cleaned up, leaving 72,046 remaining to be cleaned up
- 41,364 on-site inspections at federally-regulated UST facilities were conducted between October 2015 and March 2016; of those:
  - 41,307 were conducted by states, territories, and third-party inspectors
  - 57 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 to 7,000 releases reported each year; the cumulative number of confirmed releases is now over 529,000. 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 18.8 percent in 2010 to 13.6 percent at mid FY 2016. Looking back several more years, the percent of confirmed releases pending cleanup completion was 26.4 percent in 2005.

| Fiscal Year | Confirmed Releases | | Cleanups Remaining | Percent Of Confirmed Releases Pending Cleanup Completion* |
|---|---|---|---|---|
| | Each Year | Cumulative | | |
| Mid 2016 | 2,591 | 529,390 | 72,046 | 13.6% |
| 2015 | 6,830 | 528,521 | 71,861 | 13.6% |
| 2014 | 6,847 | 521,271 | 73,948 | 14.2% |
| 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% |
| ↓ | ↓ | ↓ | ↓ | ↓ |
| 2005 | 7,421 | 452,041 | 119,242 | 26.4% |

*Divide cleanups remaining by cumulative confirmed releases

## 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 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 202-564-0594.

## UST Corrective Action Measures for Mid-Year FY 2016 (Data through March 31, 2016)

| Region / State | Active Tanks | Closed Tanks | Confirmed Releases | | Cleanups Initiated | Cleanups Completed | | Cleanups Remaining |
|---|---|---|---|---|---|---|---|---|
| | | | Actions This Year | Cumulative | | Actions This Year | Cumulative | |
| **ONE** | | | | | | | | |
| CT | 6,152 | 27,038 | 55 | 3,196 | 3,159 | 19 | 2,285 | 911 |
| MA | 9,521 | 25,656 | 27 | 6,424 | 6,354 | 60 | 6,116 | 308 |
| ME | 2,596 | 13,567 | 35 | 2,800 | 2,781 | 37 | 2,776 | 24 |
| NH | 2,772 | 12,329 | 15 | 2,641 | 2,641 | 13 | 2,040 | 601 |
| RI | 1,491 | 8,687 | 6 | 1,397 | 1,397 | 9 | 1,243 | 154 |
| VT | 1,912 | 6,184 | 3 | 2,160 | 2,160 | 5 | 1,499 | 661 |
| **Subtotal** | **24,444** | **93,461** | **141** | **18,618** | **18,492** | **143** | **15,959** | **2,659** |
| **TWO** | | | | | | | | |
| NJ | 13,540 | 59,214 | 343 | 15,460 | 14,173 | 325 | 11,103 | 4,357 |
| NY | 23,237 | 105,530 | 48 | 29,665 | 29,611 | 185 | 28,563 | 1,102 |
| PR | 4,489 | 5,796 | 2 | 1,074 | 839 | 5 | 514 | 560 |
| VI | 140 | 282 | 0 | 30 | 32 | 0 | 25 | 5 |
| **Subtotal** | **41,406** | **170,822** | **393** | **46,229** | **44,655** | **515** | **40,205** | **6,024** |
| **THREE** | | | | | | | | |
| DC | 624 | 3,395 | 5 | 944 | 929 | 13 | 847 | 97 |
| DE | 1,177 | 7,451 | 21 | 2,808 | 2,761 | 25 | 2,722 | 86 |
| MD | 7,621 | 36,182 | 45 | 12,264 | 12,090 | 47 | 12,046 | 218 |
| PA | 22,586 | 66,498 | 89 | 16,989 | 16,913 | 270 | 15,144 | 1,845 |
| VA | 18,165 | 62,620 | 70 | 12,553 | 12,452 | 84 | 12,241 | 312 |
| WV | 4,470 | 21,051 | 15 | 3,601 | 3,520 | 69 | 2,984 | 617 |
| **Subtotal** | **54,643** | **197,197** | **245** | **49,159** | **48,665** | **508** | **45,984** | **3,175** |

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 2016 (Data through March 31, 2016)

| Region / State | Active Tanks | Closed Tanks | Confirmed Releases | | Cleanups Initiated | Cleanups Completed | | Cleanups Remaining |
|---|---|---|---|---|---|---|---|---|
| | | | Actions This Year | Cumulative | | Actions This Year | Cumulative | |
| **FOUR** | | | | | | | | |
| AL | 16,606 | 30,702 | 38 | 11,951 | 11,807 | 35 | 10,773 | 1,178 |
| FL | 22,372 | 112,037 | 48 | 27,035 | 19,291 | 343 | 16,043 | 10,992 |
| GA | 29,270 | 50,447 | 121 | 13,785 | 13,635 | 174 | 12,717 | 1,068 |
| KY | 9,723 | 40,520 | 84 | 16,630 | 16,608 | 161 | 15,858 | 772 |
| MS | 8,179 | 23,834 | 56 | 7,772 | 7,599 | 51 | 7,361 | 411 |
| NC | 25,159 | 70,422 | 91 | 26,076 | 23,492 | 216 | 21,834 | 4,242 |
| SC | 11,539 | 33,765 | 55 | 9,948 | 9,778 | 62 | 7,665 | 2,283 |
| TN | 16,391 | 40,549 | 79 | 15,044 | 15,044 | 102 | 14,784 | 260 |
| **Subtotal** | **139,239** | **402,276** | **572** | **128,241** | **117,254** | **1,144** | **107,035** | **21,206** |
| **FIVE** | | | | | | | | |
| IL | 19,138 | 63,759 | 140 | 24,823 | 23,920 | 195 | 18,984 | 5,839 |
| IN | 13,374 | 42,817 | 79 | 9,892 | 9,783 | 157 | 8,300 | 1,592 |
| MI | 17,870 | 71,234 | 65 | 22,807 | 22,435 | 217 | 14,654 | 8,153 |
| MN | 11,709 | 34,043 | 66 | 11,479 | 11,429 | 80 | 11,188 | 291 |
| OH | 21,710 | 47,521 | 188 | 31,248 | 30,825 | 264 | 29,369 | 1,879 |
| WI | 14,336 | 68,764 | 29 | 19,468 | 19,232 | 61 | 18,461 | 1,007 |
| **Subtotal** | **98,137** | **328,138** | **567** | **119,717** | **117,624** | **974** | **100,956** | **18,761** |

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 2016 (Data through March 31, 2016)

| Region / State | Active Tanks | Closed Tanks | Confirmed Releases | | Cleanups Initiated | Cleanups Completed | | Cleanups Remaining |
|---|---|---|---|---|---|---|---|---|
| | | | Actions This Year | Cumulative | | Actions This Year | Cumulative | |
| **SIX** | | | | | | | | |
| AR | 8,775 | 21,736 | 12 | 1,775 | 1,496 | 12 | 1,484 | 291 |
| LA | 10,850 | 35,712 | 53 | 5,142 | 5,142 | 83 | 4,479 | 663 |
| NM | 3,667 | 12,958 | 6 | 2,633 | 2,332 | 14 | 1,793 | 840 |
| OK | 9,902 | 28,235 | 46 | 5,216 | 5,216 | 39 | 4,840 | 376 |
| TX | 50,706 | 121,686 | 124 | 27,504 | 26,578 | 173 | 25,901 | 1,603 |
| **Subtotal** | **83,900** | **220,327** | **241** | **42,270** | **40,764** | **321** | **38,497** | **3,773** |
| **SEVEN** | | | | | | | | |
| IA | 6,708 | 23,432 | 14 | 6,139 | 6,008 | 62 | 5,418 | 721 |
| KS | 6,575 | 21,198 | 25 | 5,218 | 5,110 | 40 | 3,917 | 1,301 |
| MO | 8,911 | 32,187 | 54 | 7,073 | 7,055 | 76 | 6,219 | 854 |
| NE | 6,475 | 15,185 | 36 | 6,507 | 5,565 | 98 | 5,293 | 1,214 |
| **Subtotal** | **28,669** | **92,002** | **129** | **24,937** | **23,738** | **276** | **20,847** | **4,090** |
| **EIGHT** | | | | | | | | |
| CO | 7,225 | 23,290 | 78 | 8,283 | 7,894 | 105 | 7,674 | 609 |
| MT | 3,112 | 11,865 | 3 | 3,062 | 2,932 | 22 | 2,231 | 831 |
| ND | 2,237 | 7,579 | 3 | 881 | 861 | 0 | 838 | 43 |
| SD | 3,071 | 7,121 | 15 | 2,757 | 2,614 | 30 | 2,625 | 132 |
| UT | 3,669 | 13,940 | 27 | 4,925 | 4,863 | 41 | 4,595 | 330 |
| WY | 1,680 | 8,133 | 0 | 2,667 | 2,626 | 37 | 1,922 | 745 |
| **Subtotal** | **20,994** | **71,928** | **126** | **22,575** | **21,790** | **235** | **19,885** | **2,690** |

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 2016 (Data through March 31, 2016)

| Region / State | Active Tanks | Closed Tanks | Confirmed Releases | | Cleanups Initiated | Cleanups Completed | | Cleanups Remaining |
|---|---|---|---|---|---|---|---|---|
| | | | Actions This Year | Cumulative | | Actions This Year | Cumulative | |
| **NINE** | | | | | | | | |
| AS | 5 | 63 | 0 | 8 | 7 | 0 | 7 | 1 |
| AZ | 6,474 | 22,011 | 50 | 8,907 | 8,284 | 27 | 8,131 | 776 |
| CA | 36,824 | 132,008 | 40 | 44,172 | 42,552 | 349 | 39,770 | 4,402 |
| GU | 246 | 482 | 0 | 140 | 140 | 0 | 120 | 20 |
| HI | 1,541 | 5,569 | 7 | 2,111 | 2,063 | 7 | 1,969 | 142 |
| MP | 64 | 72 | 1 | 15 | 15 | 0 | 14 | 1 |
| NV | 3,769 | 7,596 | 20 | 2,555 | 2,555 | 11 | 2,396 | 159 |
| **Subtotal** | **48,923** | **167,801** | **118** | **57,908** | **55,616** | **394** | **52,407** | **5,501** |
| **TEN** | | | | | | | | |
| AK | 984 | 6,757 | 7 | 2,426 | 2,393 | 13 | 2,111 | 315 |
| ID | 3,259 | 11,309 | 4 | 1,492 | 1,467 | 10 | 1,404 | 88 |
| OR | 5,526 | 26,597 | 30 | 7,507 | 7,320 | 20 | 6,650 | 857 |
| WA | 10,101 | 37,253 | 14 | 6,910 | 6,424 | 33 | 4,285 | 2,625 |
| **Subtotal** | **19,870** | **81,916** | **55** | **18,335** | **17,604** | **76** | **14,450** | **3,885** |

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

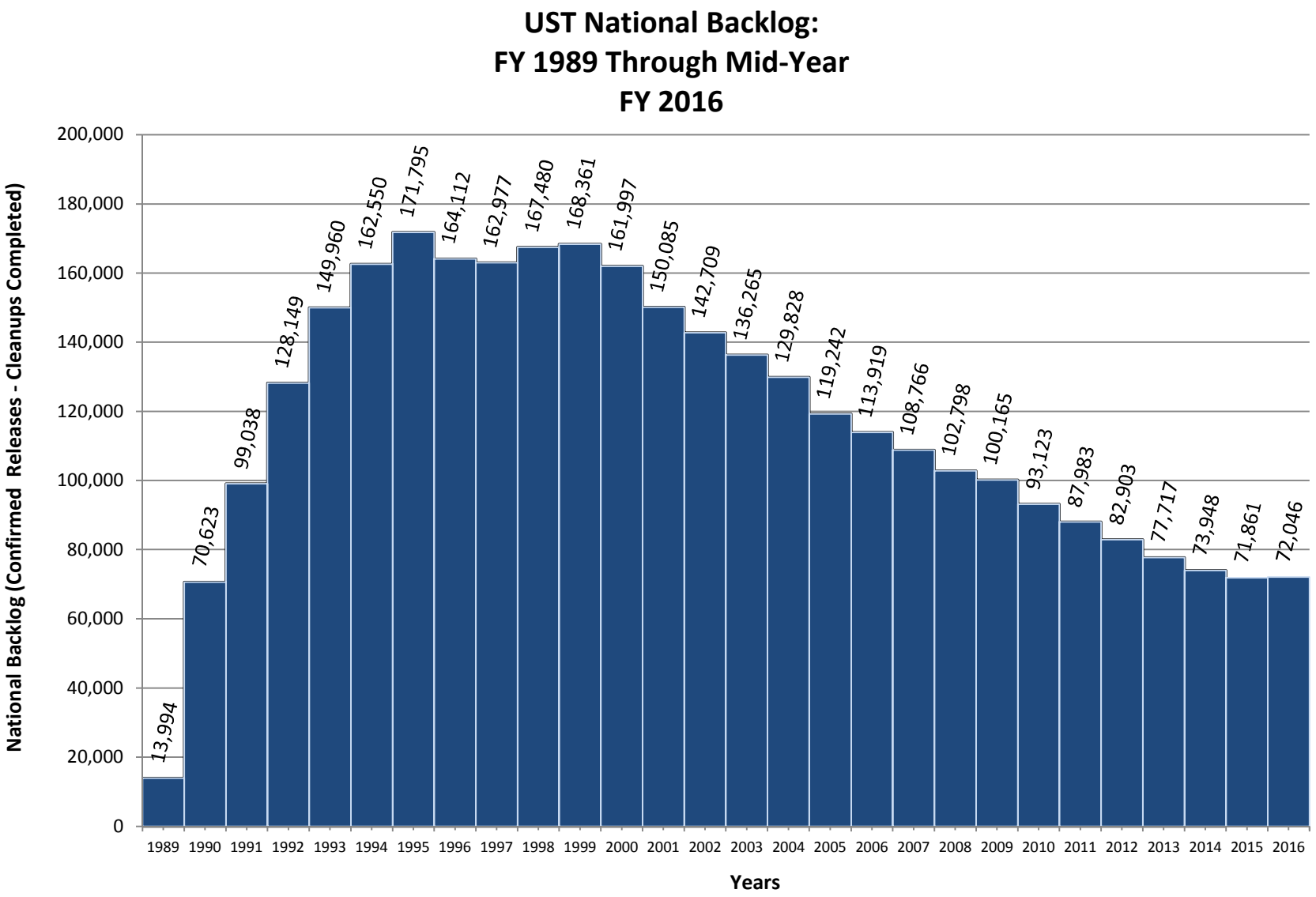
## UST Corrective Action Measures for Mid-Year FY 2016 (Data through March 31, 2016)

| 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 | 156 | 28 | 0 | 7 | 7 | 0 | 6 | 1 |
| REGION 3 | N/A[1] | N/A[1] | N/A[1] | N/A[1] | N/A[1] | N/A[1] | N/A[1] | 0 |
| REGION 4 | 68 | 77 | 0 | 16 | 16 | 0 | 10 | 6 |
| REGION 5 | 444 | 1,052 | 1 | 251 | 223 | 0 | 179 | 72 |
| REGION 6 | 369 | 311 | 0 | 67 | 67 | 0 | 65 | 2 |
| REGION 7 | 79 | 96 | 0 | 22 | 22 | 0 | 13 | 9 |
| REGION 8 | 530 | 2,120 | 1 | 541 | 536 | 9 | 421 | 120 |
| REGION 9 | 482 | 1,354 | 2 | 305 | 223 | 2 | 243 | 62 |
| REGION 10 | 385 | 1,136 | 0 | 191 | 191 | 0 | 181 | 10 |
| **SUBTOTAL** | **2,526** | **6,180** | **4** | **1,401** | **1,286** | **11** | **1,119** | **282** |

| | Active Tanks | Closed Tanks | Confirmed Releases | | Cleanups Initiated | Cleanups Completed | | Cleanups Remaining |
|---|---|---|---|---|---|---|---|---|
| | | | Actions This Year | Cumulative | | Actions This Year | Cumulative | |
| **NATIONAL TOTAL** | **562,751** | **1,832,048** | **2,591** | **529,390** | **507,488** | **4,597** | **457,344** | **72,046** |

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.pd

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


UST National Backlog:
FY 1989 Through Mid-Year
FY 2016
National Backlog (Confirmed Releases - Cleanups Completed)
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
13,994
70,623
99,038
128,149
149,960
162,550
171,795
164,112
162,977
167,480
168,361
161,997
150,085
142,709
136,265
129,828
119,242
113,919
108,766
102,798
100,165
93,123
87,983
82,903
77,717
73,948
71,861
72,046
1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016
Years

## UST Compliance Measures
## for Mid-Year FY 2016 (April 1, 2015 - March 31, 2016)

| 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] | 87% | 87% | 81% |
| MA | 88% | 33% | 32% |
| ME | 83% | 80% | 77% |
| NH | 61% | 61% | 44% |
| RI[1] | 76% | 81% | 65% |
| VT[1] | 83% | 80% | 78% |
| **SUBTOTAL** | **83%** | **61%** | **56%** |
| **TWO** | | | |
| NJ | 95% | 96% | 91% |
| NY | 88% | 78% | 74% |
| PR | 78% | 76% | 73% |
| VI | 100% | 81% | 81% |
| **SUBTOTAL** | **89%** | **83%** | **79%** |
| **THREE** | | | |
| DC | 84% | 92% | 79% |
| DE | 97% | 98% | 96% |
| MD | 82% | 87% | 74% |
| PA | 87% | 84% | 76% |
| VA | 87% | 78% | 71% |
| WV | 85% | 85% | 77% |
| **SUBTOTAL** | **86%** | **83%** | **75%** |

| 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 | 94% | 81% | 80% |
| GA | 87% | 73% | 68% |
| KY | 73% | 77% | 60% |
| MS | 70% | 60% | 49% |
| NC | 75% | 72% | 63% |
| SC | 79% | 80% | 67% |
| TN | 90% | 88% | 80% |
| **SUBTOTAL** | **84%** | **76%** | **69%** |
| **FIVE** | | | |
| IL[1] | 79% | 72% | 65% |
| IN | 90% | 91% | 89% |
| MI[1] | 86% | 71% | 65% |
| MN | DNA[2] | DNA[2] | DNA[2] |
| OH | 87% | 67% | 62% |
| WI[1] | 92% | 88% | 83% |
| **SUBTOTAL** | **86%** | **76%** | **71%** |
| **SIX** | | | |
| AR | 69% | 72% | 57% |
| LA | 80% | 81% | 72% |
| NM | 79% | 81% | 67% |
| OK | 79% | 87% | 74% |
| TX | 96% | 96% | 94% |
| **SUBTOTAL** | **88%** | **90%** | **84%** |

These compliance rates indicate the percent of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 4/1/15 through 3/31/16. 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.

## UST Compliance Measures
## for Mid-Year FY 2016 (April 1, 2015 - March 31, 2016)

| 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% | 82% | 68% |
| KS | 55% | 89% | 50% |
| MO[1] | 78% | 92% | 72% |
| NE[1] | 76% | 68% | 60% |
| **SUBTOTAL** | **73%** | **84%** | **64%** |
| **EIGHT** | | | |
| CO | 87% | 86% | 85% |
| MT | 84% | 94% | 82% |
| ND | 90% | 90% | 84% |
| SD | 76% | 82% | 67% |
| UT | 93% | 91% | 86% |
| WY | 96% | 98% | 94% |
| **SUBTOTAL** | **87%** | **89%** | **83%** |
| **NINE** | | | |
| AS | 100% | 57% | 57% |
| AZ | 98% | 95% | 90% |
| CA | 84% | 75% | 66% |
| GU | 100% | 95% | 95% |
| HI | 99% | 94% | 93% |
| MP | 88% | 94% | 88% |
| NV | 94% | 89% | 86% |
| **SUBTOTAL** | **87%** | **86%** | **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 | 82% | 81% | 75% |
| ID[1] | 82% | 80% | 62% |
| OR | 92% | 92% | 87% |
| WA | 91% | 85% | 80% |
| **SUBTOTAL** | **89%** | **86%** | **79%** |
| **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 | 91% | 27% | 27% |
| REGION 5 | 86% | 83% | 75% |
| REGION 6 | 95% | 84% | 81% |
| REGION 7 | DNA[2] | DNA[2] | DNA[2] |
| REGION 8 | 76% | 82% | 69% |
| REGION 9 | 88% | 81% | 75% |
| REGION 10 | 90% | 88% | 80% |
| **SUBTOTAL** | **87%** | **82%** | **74%** |
| **NATIONAL TOTAL** | | | |
| **TOTAL** | **85.6%** | **80.4%** | **73.1%** |

These compliance rates indicate the percentage of recently-inspected facilities in significant operational compliance (SOC) with federal UST requirements from 4/1/15 through 3/31/16. 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. 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 EPAct 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.
    - 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.

    - 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):
    - 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 2016 (October 1, 2015 - March 31, 2016)**

| Region / State | Number of On-Site Inspections Conducted | Number of Delivery Prohibition Actions |
|---|---|---|
| **ONE** | | |
| CT | 253 | 15 |
| MA | 839 | 0 |
| ME | 262 | 0 |
| NH | 134 | 23 |
| RI | 112 | 1 |
| VT | 79 | 0 |
| **SUBTOTAL** | **1,679** | **39** |
| **TWO** | | |
| NJ | 647 | 43 |
| NY | 996 | 0 |
| PR | 276 | 1 |
| VI | 11 | 0 |
| **SUBTOTAL** | **1,930** | **44** |
| **THREE** | | |
| DC | 28 | 0 |
| DE | 70 | 1 |
| MD | 366 | 5 |
| PA | 1,668 | 9 |
| VA | 907 | 6 |
| WV | 145 | 3 |
| **SUBTOTAL** | **3,184** | **24** |

| Region / State | Number of On-Site Inspections Conducted | Number of Delivery Prohibition Actions |
|---|---|---|
| **FOUR** | | |
| AL | 1,297 | 113 |
| FL | 2,219 | 0 |
| GA | 1,720 | 468 |
| KY | 977 | 53 |
| MS | 504 | 36 |
| NC | 1,605 | 81 |
| SC | 1,666 | 170 |
| TN | 1,153 | 34 |
| **SUBTOTAL** | **11,141** | **955** |
| **FIVE** | | |
| IL | 1,436 | 470 |
| IN | 797 | 1 |
| MI | 1,267 | 145 |
| MN | DNA[1] | DNA[1] |
| OH | 1,356 | 0 |
| WI | 1,342 | 128 |
| **SUBTOTAL** | **6,198** | **744** |
| **SIX** | | |
| AR | 508 | 42 |
| LA | 713 | 15 |
| NM | 334 | 8 |
| OK | 1,655 | 29 |
| TX | 2,652 | 333 |
| **SUBTOTAL** | **5,862** | **427** |

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 Mid-Year FY 2016 (October 1, 2015 - March 31, 2016)**

| Region / State | Number of On-Site Inspections Conducted | Number of Delivery Prohibition Actions |
|---|---|---|
| **SEVEN** | | |
| IA | 232 | 1 |
| KS | 596 | 2 |
| MO | 527 | 0 |
| NE | 539 | 0 |
| **SUBTOTAL** | **1,894** | **3** |
| **EIGHT** | | |
| CO | 600 | 11 |
| MT | 187 | 8 |
| ND | 14 | 0 |
| SD | 147 | 0 |
| UT | 304 | 0 |
| WY | 106 | 0 |
| **SUBTOTAL** | **1,358** | **19** |
| **NINE** | | |
| AS | 3 | 0 |
| AZ | 245 | 4 |
| CA | 6,176 | 82 |
| GU | 37 | 0 |
| HI | 86 | 0 |
| MP | 16 | 0 |
| NV | 453 | 0 |
| **SUBTOTAL** | **7,016** | **86** |

| Region / State | Number of On-Site Inspections Conducted | Number of Delivery Prohibition Actions |
|---|---|---|
| **TEN** | | |
| AK | 29 | 14 |
| ID | 141 | 0 |
| OR | 194 | 24 |
| WA | 681 | 0 |
| **SUBTOTAL** | **1,045** | **38** |
| **INDIAN COUNTRY** | | |
| REGION 1 | 0 | 0 |
| REGION 2 | 0 | 0 |
| REGION 3 | N/A[1] | N/A[1] |
| REGION 4 | 3 | 0 |
| REGION 5 | 22 | 0 |
| REGION 6 | 8 | 0 |
| REGION 7 | 0 | 0 |
| REGION 8 | 0 | 0 |
| REGION 9 | 22 | 0 |
| REGION 10 | 2 | 0 |
| **SUBTOTAL** | **57** | **0** |
| **NATIONAL TOTAL** | | |
| **TOTAL** | **41,364** | **2,379** |

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

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