

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
SOLID WASTE AND EMERGENCY
RESPONSE

DEC 23 2002

MEMORANDUM

SUBJECT: FY 2002 End-of-Year Activity Report

FROM: Cliff Rothenstein, Director
Office of Underground Storage Tanks

A handwritten signature in black ink, appearing to read "Cliff Rothenstein", written over the typed name.

TO: UST Regional Division Directors, Regions 1 - 10

The FY 2002 End-of-Year activities report for underground storage tanks shows both improvements made and challenges needing to be addressed for both compliance and cleanup activities. As a result of improved leak detection and prevention measures, there has been a 54 percent drop in the number of new releases reported in the last three years. However, one of the biggest challenges we face is that the number of cleanups completed dropped 28 percent this year. This downward trend began three year ago, leaving us with a national cleanup backlog of 143,000 releases remaining to be cleaned up.

Two years ago we started collecting information on significant operational compliance for release prevention and release detection for the approximately 698,000 active tanks nationwide. The rate for significant operational compliance for release prevention (spill, overfill, and corrosion requirements) is 81 percent and for release detection requirements is 74 percent nationally. These two measures are likely to fluctuate as we fine tune the definitions. We have been working with an EPA-State work group to improve these two important measures with the goal of having more consistent definitions so that the states are reporting comparable data. We appreciate your support in this endeavor and look forward to more consistent data in FY 2003.

I am attaching the FY 2002 End-of-Year activity report for the UST program for regions, states and Indian Country. Attachment 1 presents the results of the corrective action and leak detection/upgrading compliance measures data through September 2002. Attachment 2 provides a series of charts and graphs illustrating national and regional corrective action trends over time.

We appreciate the continued involvement of the regions in ensuring the data submitted to OUST is of good quality.

Attachments

cc: w/attachments:

Marianne Horinko, OSWER
Barry Breen, OSWER
Devereaux Barnes, OSWER
OUST Staff
UST Regional Branch Chiefs 1 - 10
UST Regional Program Managers 1 - 10
Victor Zambrano, OCFO (2732)
Susan Janowick, OSWER/ARMS (5103)
Doug Disrud, OSWER/ARMS (5103)
Eric Burman, OSWER/ARMS (5103)
Lorna Washington, OSWER/ARMS (5103)
Tad Gallion, OMB

Attachment 1

UST Corrective Action Measures for End of Year FY2002 (as of September 30, 2002)

| Region/State | Active Tanks | Closed Tanks | Confirmed Releases | Cleanups Initiated | Cleanups Completed | Cleanup Backlog | Emergency Responses |
|--------------|--------------|--------------|--------------------|--------------------|--------------------|-----------------|---------------------|
| ONE | | | | | | | |
| CT | 12,660 | 18,638 | 2,289 | 2,245 | 1,459 | 830 | 105 |
| MA | 11,673 | 21,239 | 5,817 | 5,608 | 4,070 | 1,747 | 4,739 |
| ME | 3,696 | 11,721 | 1,968 | 1,950 | 1,891 | 77 | 343 |
| NH | 3,036 | 10,473 | 2,062 | 2,101 | 1,222 | 840 | 396 |
| RI | 1,746 | 6,977 | 1,168 | 1,167 | 875 | 293 | 26 |
| VT | 2,951 | 5,035 | 1,873 | 1,873 | 1,037 | 836 | 247 |
| SUBTOTAL | 35,762 | 74,083 | 15,177 | 14,944 | 10,554 | 4,623 | 5,856 |
| TWO | | | | | | | |
| NJ | 21,253 | 49,757 | 8,948 | 8,022 | 5,207 | 3,741 | 51 |
| NY | 32,749 | 65,118 | 18,277 | 17,729 | 15,193 | 3,084 | 321 |
| PR | 4,679 | 4,954 | 964 | 798 | 273 | 691 | 158 |
| VI | 124 | 278 | 14 | 14 | 0 | 14 | 16 |
| SUBTOTAL | 58,805 | 120,107 | 28,203 | 26,563 | 20,673 | 7,530 | 546 |
| THREE | | | | | | | |
| DC | 726 | 2,915 | 720 | 720 | 473 | 247 | 215 |
| DE | 1,655 | 6,448 | 2,471 | 2,113 | 1,716 | 755 | 374 |
| MD | 9,253 | 26,614 | 11,659 | 10,012 | 8,404 | 3,255 | 320 |
| PA | 28,095 | 55,438 | 12,454 | 12,267 | 8,488 | 3,966 | 27 |
| VA | 29,728 | 46,457 | 9,552 | 9,407 | 8,518 | 1,034 | 63 |
| WV | 6,501 | 17,736 | 2,673 | 2,237 | 1,365 | 1,308 | 9 |
| SUBTOTAL | 75,958 | 155,608 | 39,529 | 36,756 | 28,964 | 10,565 | 1,008 |
| FOUR | | | | | | | |
| AL | 18,385 | 27,746 | 10,489 | 10,401 | 8,637 | 1,852 | 257 |
| FL | 32,352 | 87,705 | 24,895 | 13,878 | 6,206 | 18,689 | 204 |
| GA | 30,496 | 39,091 | 9,806 | 1,744 | 5,858 | 3,948 | 9 |
| KY | 13,954 | 32,905 | 12,204 | 12,196 | 9,516 | 2,688 | 147 |
| MS | 9,159 | 21,062 | 6,177 | 5,980 | 5,786 | 391 | 108 |
| NC | 31,322 | 60,869 | 21,750 | 20,456 | 14,927 | 6,823 | 469 |
| SC | 12,508 | 30,474 | 8,265 | 7,873 | 4,438 | 3,827 | 90 |
| TN | 16,831 | 31,217 | 11,993 | 11,337 | 10,647 | 1,346 | 66 |
| SUBTOTAL | 165,007 | 331,069 | 105,579 | 83,865 | 66,015 | 39,564 | 1,350 |

Attachment 1

UST Corrective Action Measures for End of Year FY2002 (as of September 30, 2002)

| Region/State | Active Tanks | Closed Tanks | Confirmed Releases | Cleanups Initiated | Cleanups Completed | Cleanup Backlog | Emergency Responses |
|-----------------|----------------|----------------|--------------------|--------------------|--------------------|-----------------|---------------------|
| FIVE | | | | | | | |
| IL | 23,906 | 59,721 | 21,113 | 19,660 | 11,929 | 9,184 | 1,657 |
| IN | 14,588 | 33,751 | 7,654 | 6,576 | 3,789 | 3,865 | 211 |
| MI | 23,433 | 63,421 | 19,676 | 19,230 | 10,796 | 8,880 | 68 |
| MN | 13,778 | 28,016 | 9,035 | 8,335 | 7,493 | 1,542 | 367 |
| OH | 27,605 | 37,781 | 22,438 | 22,014 | 18,224 | 4,214 | 417 |
| WI | 17,011 | 62,934 | 17,725 | 16,835 | 13,185 | 4,540 | 253 |
| SUBTOTAL | 120,321 | 285,624 | 97,641 | 92,650 | 65,416 | 32,225 | 2,973 |
| SIX | | | | | | | |
| AR | 9,840 | 19,187 | 1,144 | 868 | 781 | 363 | 12 |
| LA | 16,898 | 27,343 | 2,546 | 1,805 | 1,454 | 1,092 | 404 |
| NM | 4,251 | 11,974 | 2,377 | 1,628 | 1,392 | 985 | 71 |
| OK | 11,937 | 23,462 | 3,815 | 3,815 | 3,142 | 673 | 63 |
| TX | 60,171 | 104,503 | 23,231 | 22,553 | 17,105 | 6,126 | 468 |
| SUBTOTAL | 103,097 | 186,469 | 33,113 | 30,669 | 23,874 | 9,239 | 1,018 |
| SEVEN | | | | | | | |
| IA | 8,053 | 21,293 | 5,630 | 5,445 | 3,299 | 2,331 | 0 |
| KS | 8,822 | 17,645 | 4,415 | 4,195 | 2,357 | 2,058 | 112 |
| MO | 10,660 | 27,019 | 5,775 | 5,566 | 4,413 | 1,362 | 308 |
| NE | 6,997 | 13,751 | 5,798 | 2,963 | 2,660 | 3,138 | 10 |
| SUBTOTAL | 34,532 | 79,708 | 21,618 | 18,169 | 12,729 | 8,889 | 430 |
| EIGHT | | | | | | | |
| CO | 8,145 | 20,177 | 5,959 | 5,502 | 4,651 | 1,308 | 36 |
| MT | 3,605 | 12,763 | 2,982 | 2,259 | 1,805 | 1,177 | 47 |
| ND | 2,270 | 6,968 | 812 | 826 | 766 | 46 | 3 |
| SD | 3,173 | 6,274 | 2,263 | 2,181 | 1,840 | 423 | 20 |
| UT | 4,160 | 12,231 | 3,952 | 3,713 | 3,344 | 608 | 4 |
| WY | 2,074 | 7,638 | 1,968 | 1,174 | 522 | 1,446 | 61 |
| SUBTOTAL | 23,427 | 66,051 | 17,936 | 15,655 | 12,928 | 5,008 | 171 |

Attachment 1

UST Corrective Action Measures for End of Year FY2002 (as of September 30, 2002)

| Region/State | Active Tanks | Closed Tanks | Confirmed Releases | Cleanups Initiated | Cleanups Completed | Cleanup Backlog | Emergency Responses |
|---|----------------|------------------|--------------------|--------------------|--------------------|-----------------|---------------------|
| NINE | | | | | | | |
| AZ | 8,750 | 19,244 | 7,953 | 5,463 | 5,422 | 2,531 | 2 |
| CA | 42,707 | 114,321 | 38,908 | 38,908 | 23,230 | 15,678 | 0 |
| HI | 1,925 | 4,804 | 1,702 | 1,605 | 1,310 | 392 | 0 |
| NV | 3,649 | 6,498 | 2,384 | 2,384 | 2,083 | 301 | 52 |
| CNMI | 73 | 15 | 7 | 7 | 0 | 7 | 0 |
| GU | 280 | 391 | 132 | 132 | 108 | 24 | 0 |
| AS | 17 | 45 | 5 | 5 | 0 | 5 | 1 |
| SUBTOTAL | 57,401 | 145,318 | 51,091 | 48,504 | 32,153 | 18,938 | 55 |
| TEN | | | | | | | |
| AK | 1,149 | 6,087 | 2,265 | 2,093 | 1,145 | 1,120 | 95 |
| ID | 3,498 | 9,092 | 1,279 | 1,246 | 1,059 | 220 | 12 |
| OR | 6,866 | 25,457 | 6,616 | 6,193 | 4,675 | 1,941 | 56 |
| WA | 9,458 | 35,513 | 6,217 | 5,808 | 3,844 | 2,373 | 37 |
| SUBTOTAL | 20,971 | 76,149 | 16,377 | 15,340 | 10,723 | 5,654 | 200 |
| REGIONAL CORRECTIVE ACTIONS FOR INDIAN COUNTRY | | | | | | | |
| REGION 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 |
| REGION 2 | 179 | 21 | 6 | 1 | 0 | 6 | 2 |
| REGION 3 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| REGION 4 | 61 | 49 | 11 | 11 | 2 | 9 | 0 |
| REGION 5 | 391 | 969 | 184 | 181 | 106 | 78 | 0 |
| REGION 6 | 276 | 172 | 32 | 31 | 28 | 4 | 1 |
| REGION 7 | 88 | 90 | 19 | 14 | 7 | 12 | 0 |
| REGION 8 | 577 | 1,991 | 461 | 407 | 226 | 235 | 5 |
| REGION 9 | 735 | 1,128 | 189 | 139 | 109 | 80 | 0 |
| REGION 10 | 374 | 794 | 141 | 130 | 95 | 46 | 0 |
| SUBTOTAL | 2,685 | 5,216 | 1,043 | 914 | 573 | 470 | 8 |
| | Active Tanks | Closed Tanks | Confirmed Releases | Cleanups Initiated | Cleanups Completed | Cleanup Backlog | Emergency Responses |
| National Total | 697,966 | 1,525,402 | 427,307 | 384,029 | 284,602 | 142,705 | 13,615 |

US EPA ARCHIVE DOCUMENT

UST Leak Detection and Upgrading Compliance Measures for End of Year FY2002 (as of 9/30/02)

| Region/State | % in Significant Operational Compliance with Release Prevention | % in Significant Operational Compliance with Leak Detection Regulations | Region/State | % in Significant Operational Compliance with Release Prevention | % in Significant Operational Compliance with Leak Detection Regulations |
|--------------|---|---|--------------|---|---|
| ONE | | | FIVE | | |
| CT | 89% | 81% | IL | 38% | 31% |
| ME | 96% | 66% | IN | 63% | 45% |
| MA | 84% | 43% | MI | 74% | 54% |
| NH | 67% | 44% | MN | 91% | 71% |
| RI | 89% | 37% | OH | 92% | 90% |
| VT | 100% | 36% | WI | 100% | 94% |
| SUBTOTAL | 87% | 58% | SUBTOTAL | 75% | 64% |
| TWO | | | SIX | | |
| NJ | 59% | 71% | AR | 61% | 68% |
| NY | 77% | 76% | LA | data not available | data not available |
| PR | 80% | 86% | NM | 99% | 90% |
| VI | 85% | 69% | OK | 95% | 95% |
| SUBTOTAL | 71% | 75% | TX | 80% | 78% |
| THREE | | | SUBTOTAL | 81% | 80% |
| DC | 76% | 76% | SEVEN | | |
| DE | 56% | 58% | IA | 72% | 65% |
| MD | 80% | 78% | KS | 92% | 70% |
| PA | 76% | 63% | MO | 87% | 87% |
| VA | 71% | 59% | NE | 77% | 74% |
| WV | 59% | 52% | SUBTOTAL | 83% | 75% |
| SUBTOTAL | 73% | 62% | EIGHT | | |
| FOUR | | | CO | 95% | 95% |
| AL | 81% | 80% | MT | 98% | 69% |
| FL | 93% | 95% | ND | 78% | 71% |
| GA | data not available | data not available | SD | data not available | data not available |
| KY | 88% | 87% | UT | 78% | 64% |
| MS | 78% | 93% | WY | 98% | 83% |
| NC | 83% | 78% | SUBTOTAL | 90% | 80% |
| SC | 98% | 75% | | | |
| TN | 85% | 82% | | | |
| SUBTOTAL | 87% | 85% | | | |

UST Leak Detection and Upgrading Compliance Measures for End of Year FY2002 (as of 9/30/02)

| Region/State | % in Significant Operational Compliance with Release Prevention | % in Significant Operational Compliance with Leak Detection Regulations |
|--------------|---|---|
| NINE | | |
| AZ | 90% | 70% |
| CA | 94% | 91% |
| HI | 98% | 83% |
| NV | 88% | 81% |
| CNMI | 75% | 75% |
| GU | 73% | 79% |
| AS | 85% | 85% |
| SUBTOTAL | 93% | 87% |
| TEN | | |
| AK | 56% | 54% |
| ID | 69% | 64% |
| OR | 54% | 38% |
| WA | 76% | 57% |
| SUBTOTAL | 67% | 52% |

| Region/State | % in Significant Operational Compliance with Release Prevention | % in Significant Operational Compliance with Leak Detection Regulations |
|--|---|---|
| LD Compliance Measures for Indian Country | | |
| REGION 1 | data not available | data not available |
| REGION 2 | data not available | data not available |
| REGION 3 | N/A | N/A |
| REGION 4 | data not available | data not available |
| REGION 5 | 88% | 100% |
| REGION 6 | data not available | data not available |
| REGION 7 | 40% | 40% |
| REGION 8 | 70% | 79% |
| REGION 9 | 56% | 53% |
| REGION 10 | 67% | 67% |
| SUBTOTAL | 67% | 70% |
| | | |
| | | |
| | | |
| NATIONAL TOTAL | 81% | 74% |

These compliance rates indicate the percentage of facilities recently inspected that were found to be in significant operational compliance with the federal UST regulations. There may be some variety in the reporting by the states. For example, some states may have reported based on more stringent state requirements. Also, some states may have targeted non-complying facilities, so the facilities they inspected are not necessarily representative of all the facilities in their state. Please keep these variations in mind when reviewing the data. Nevertheless, these percentages can be used as baselines for future reporting periods.

US EPA ARCHIVE DOCUMENT

FY 2002 Corrective Action Trends Analysis

This attachment contains seven charts that provide an analysis of FY 2002 end-of-year regional and national corrective action performance. The analysis is performed on biannual data reported by the Regions for two of the three LUST measures—confirmed releases, and cleanups completed—as well as the UST national cleanup backlog (confirmed releases minus cleanups completed). The charts have been provided so that the Regions may gain a better understanding of their end-of-year cleanup program performance as it compares with past end-of-year periods, other regions and national performance. The attachment contains:

Charts 1-3: Report on National and Regional Cumulative Program Totals Through FY 2002.

- Chart 1: *National Cumulative UST Corrective Action Activity: Cumulative from FY 1991 thru FY 2002.*
- Chart 2: *National UST Cleanups Initiated and Completed as a Percentage of Confirmed Releases.*
- Chart 3: *UST Cleanup Activity by EPA Region: Cumulative from FY 1992 thru FY 2002.*

Charts 4-6: Report on National and Regional Cumulative Program Totals Through FY 2002.

- Chart 4: *National End-of-Year Totals for UST Confirmed Releases and Cleanups Completed: FY 2002 Compared with Recent and Historical Averages.*
- Chart 5: *End-of-Year FY 2002 UST Confirmed Releases by EPA Region Compared with Recent and Historical Averages.*
- Chart 6: *End-of-Year FY 2002 UST Cleanups Completed by EPA Region Compared with Recent and Historical Averages.*

Chart 7: UST National Backlog: FY1990 Thru FY 2002.

Chart 1: National UST Corrective Action Activity

Total corrective action cumulative over time from FY1992 - FY2002

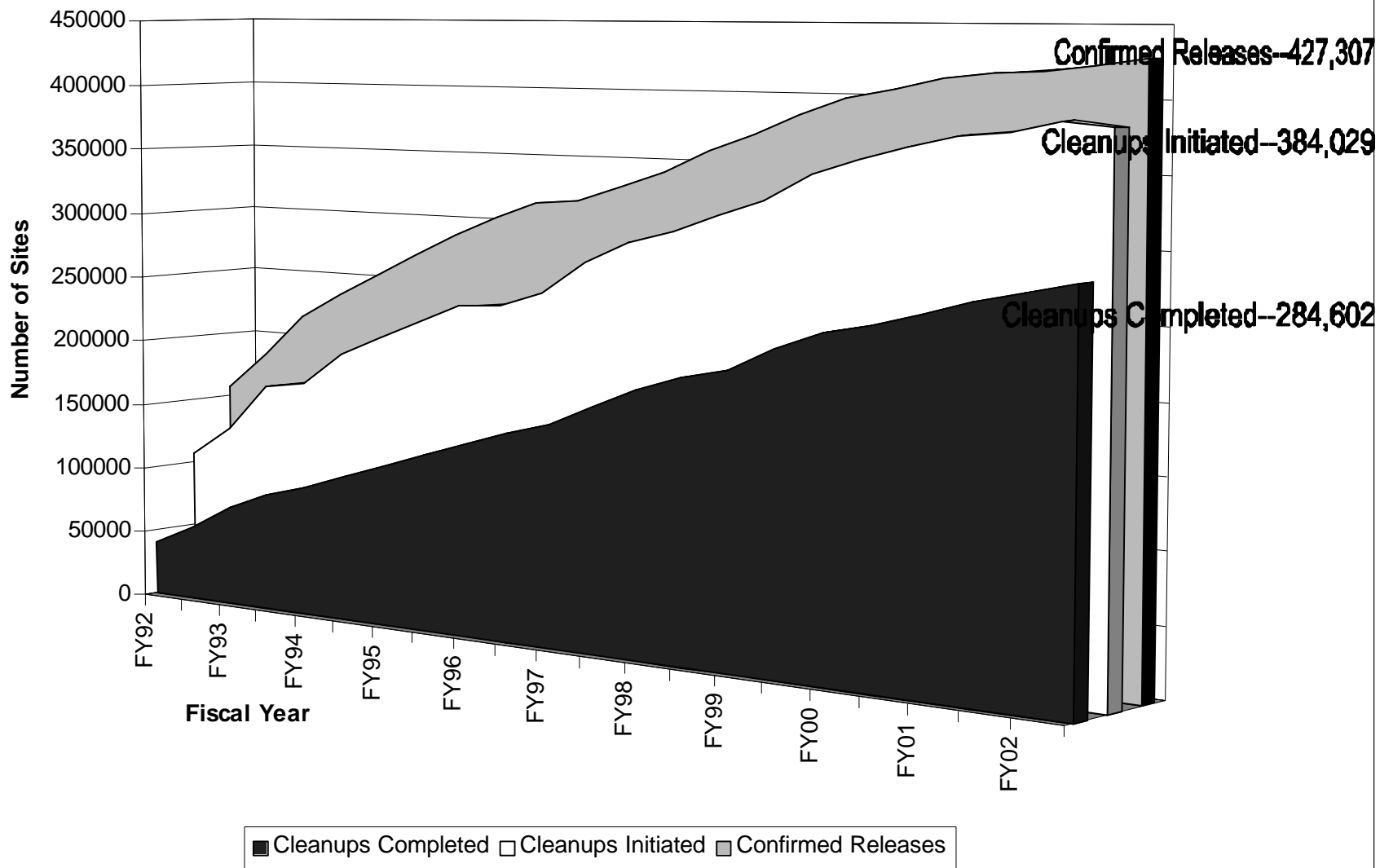


Chart 2: National UST Cleanups Initiated and Completed as a Percentage of Confirmed Releases

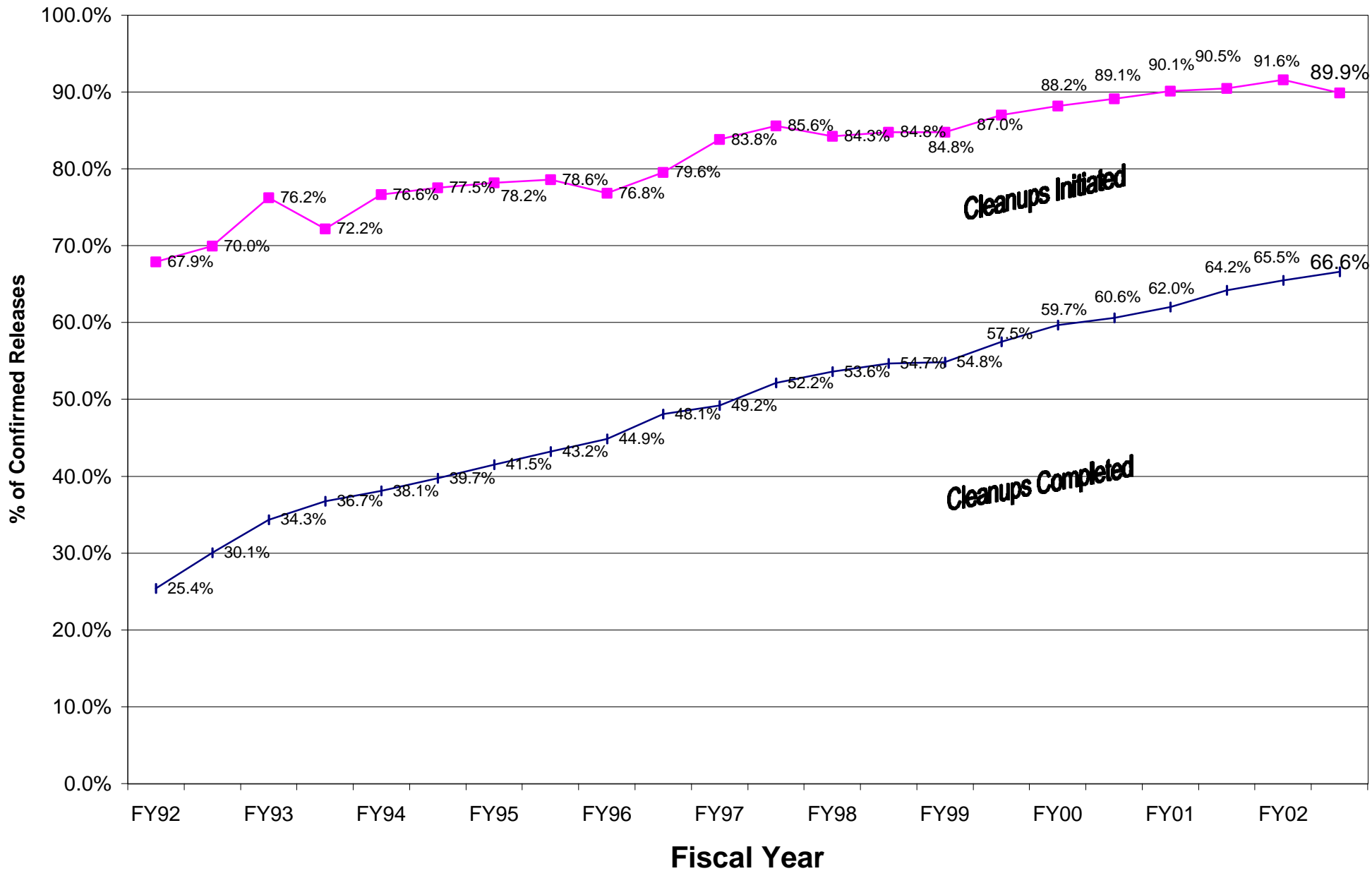
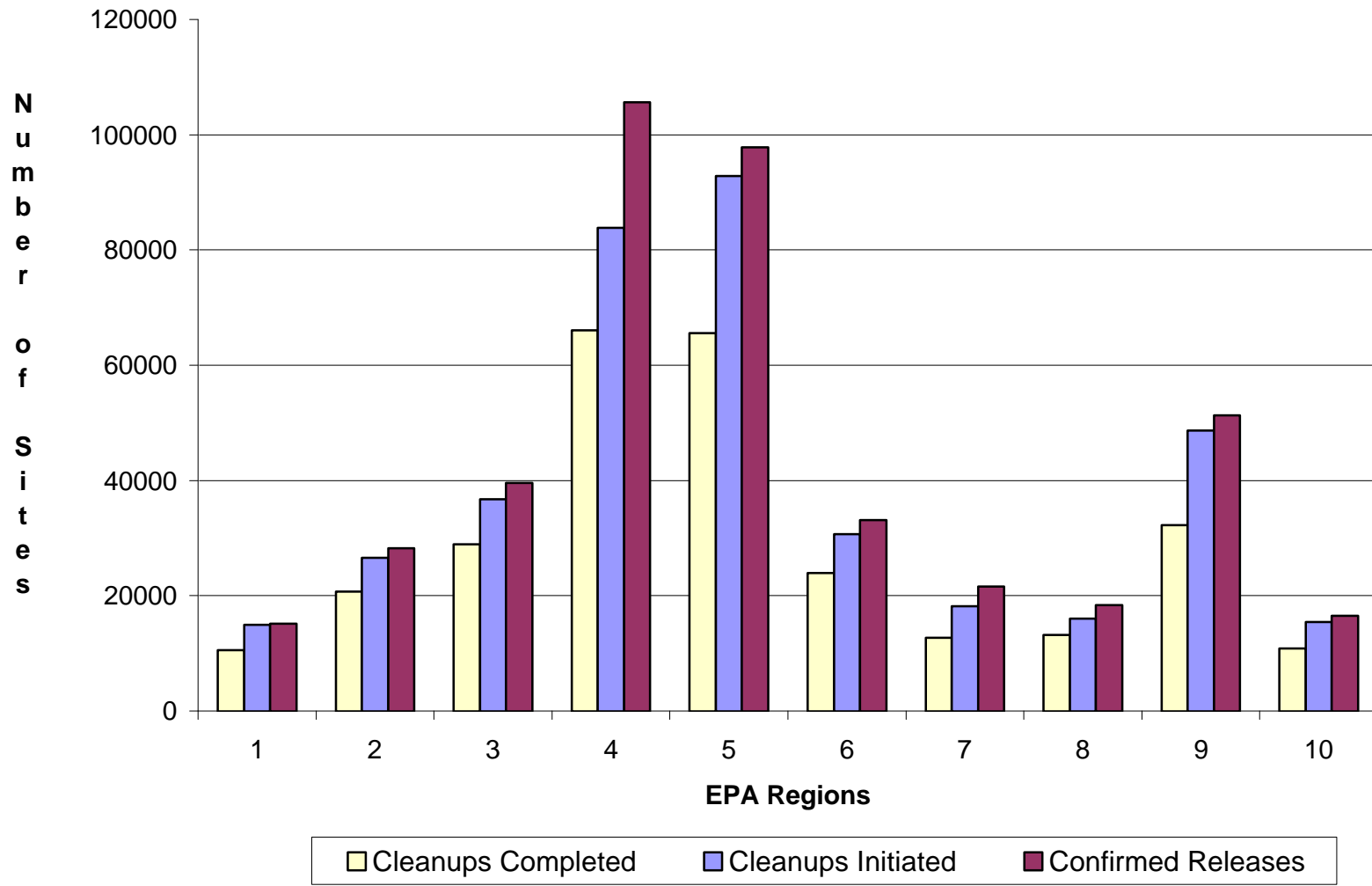


Chart 3: UST Cleanup Activity by EPA Region
Cumulative From FY1992 thru FY2002



**Chart 4: National End-of-Year Totals for UST Confirmed Releases and Cleanups Completed:
FY 2002 Compared with Recent and Historical Averages**

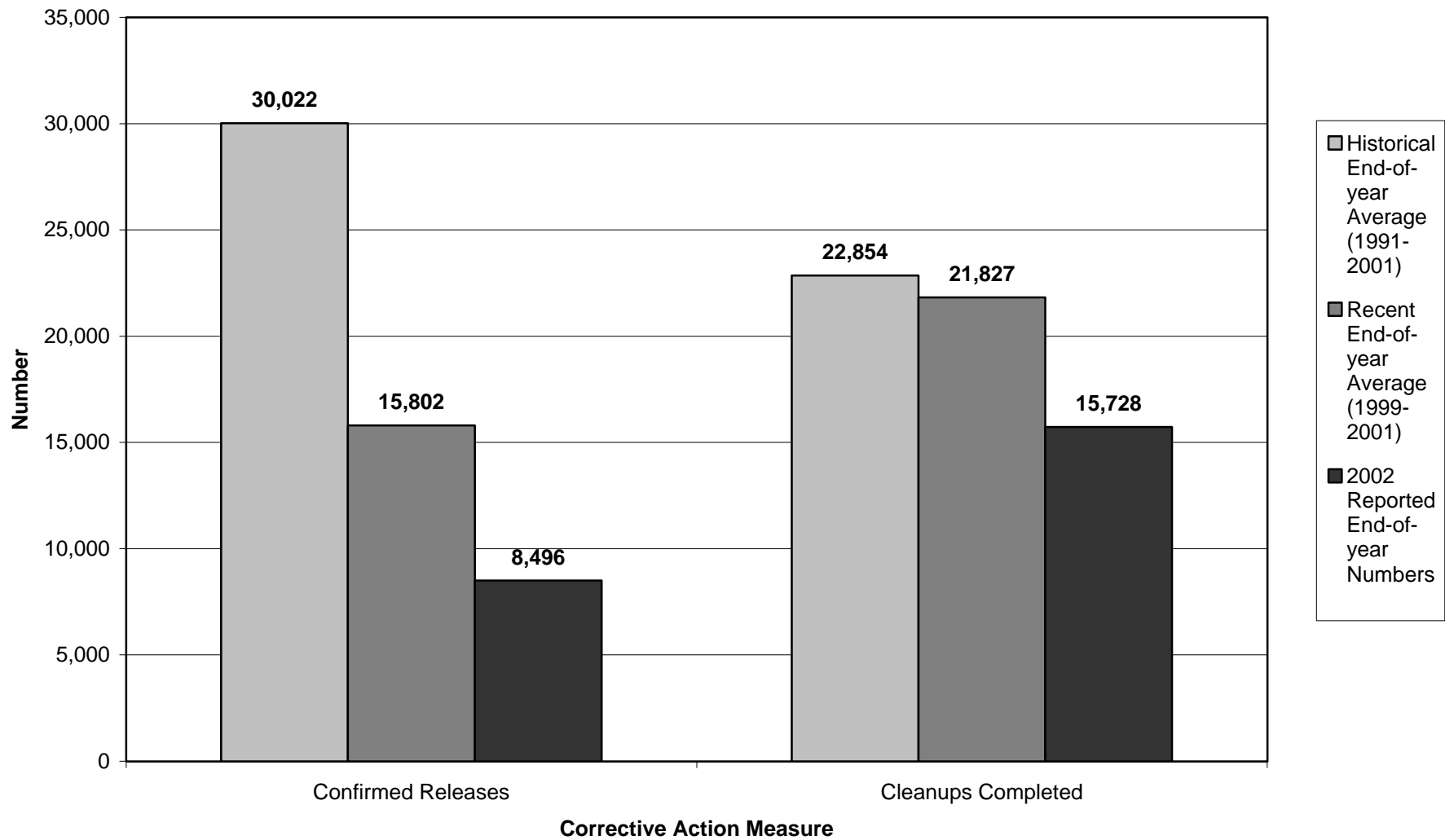


Chart 5: End-of-Year FY 2002 UST Confirmed Releases by EPA Region Compared with Recent and Historical End-of-Year Averages

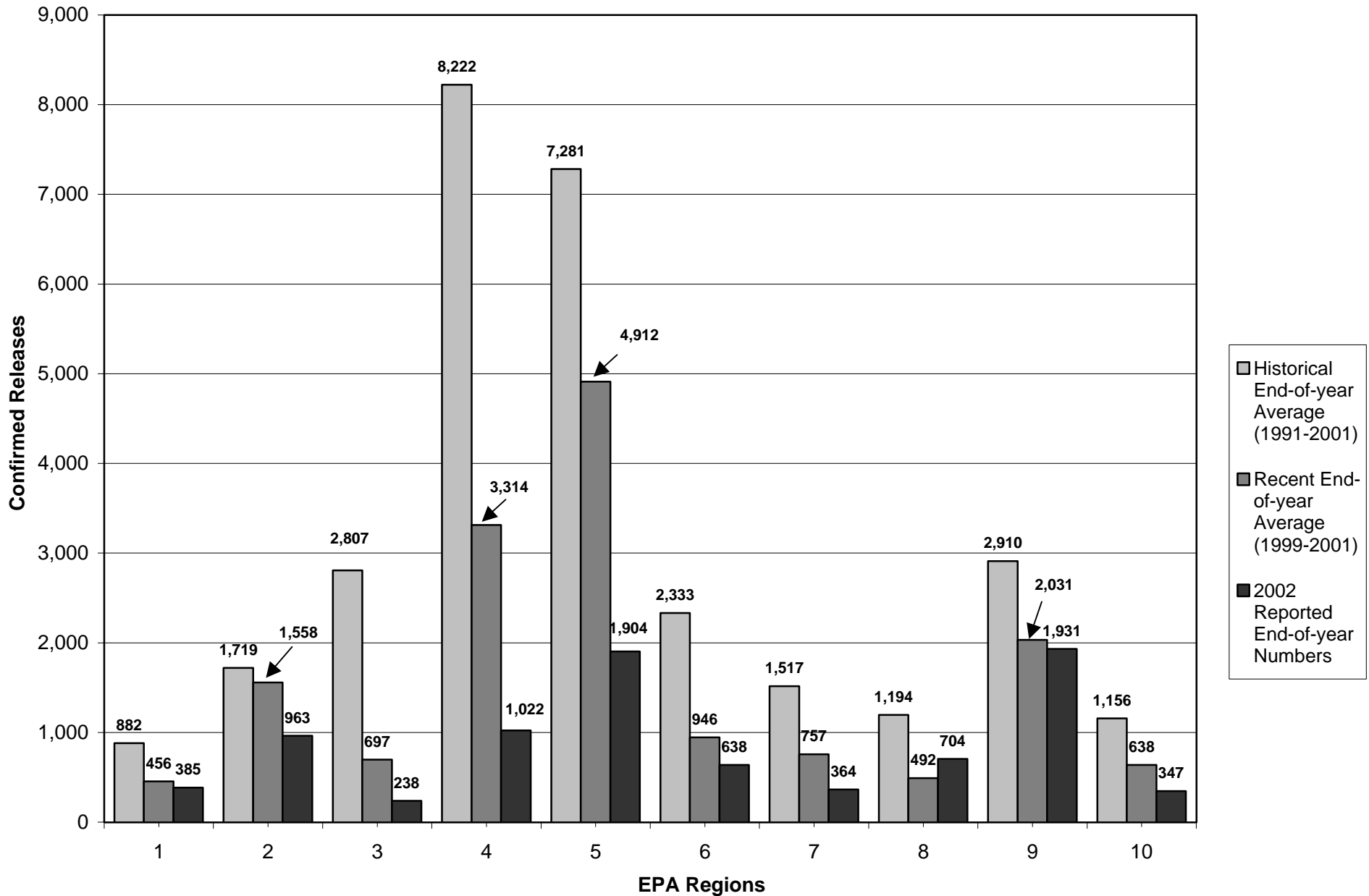


Chart 6: End-of-Year FY 2002 UST Cleanups Completed by EPA Region Compared with Recent and Historical End-of-Year Averages

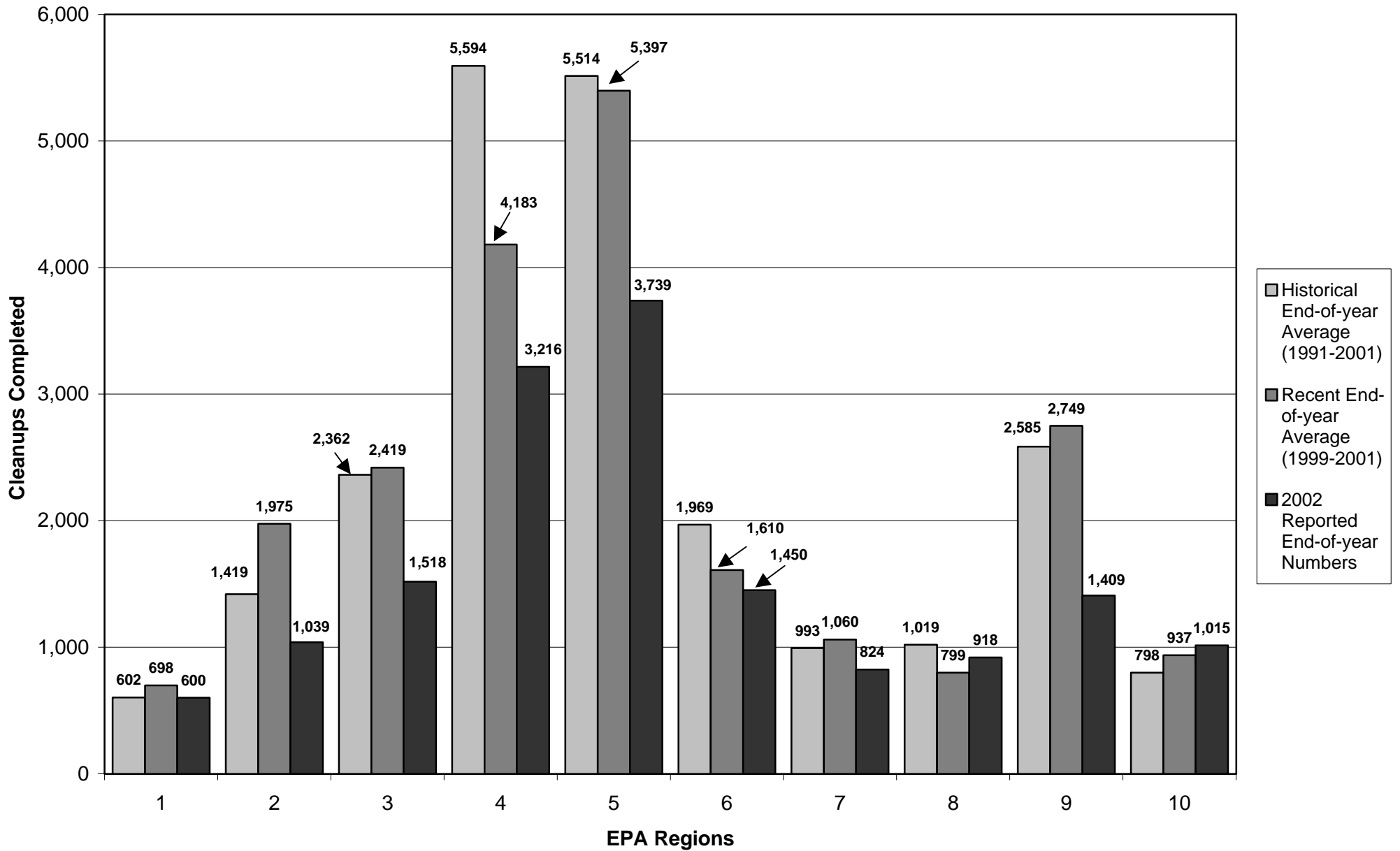


Chart 7: State of the National Cleanup Backlog: End-of-Year 1990-2002

