



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

THE ADMINISTRATOR

July 10, 2017

The Honorable Mike R. Pence  
President of the Senate  
United States Senate  
Washington, D.C. 20510

Dear Mr. President:

I am pleased to submit the enclosed report titled, "FY 2016 Superfund Five-Year Review Report to Congress," in accordance with the requirements of Section 121(c) of the Comprehensive Environmental Response, Compensation and Liability Act.

If you have questions please contact me, or your staff may contact Troy M. Lyons, Associate Administrator for Congressional and Intergovernmental Relations at Lyons.Troy@epa.gov or (202) 564-4987.

Respectfully yours,

A handwritten signature in black ink, appearing to read "E. Scott Pruitt", with a large, sweeping flourish extending to the right.

E. Scott Pruitt

Enclosure



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

THE ADMINISTRATOR

July 10, 2017

The Honorable Paul Ryan  
Speaker of the House  
U.S. House of Representatives  
Washington, D.C. 20515

Dear Mr. Speaker:

I am pleased to submit the enclosed report entitled, "FY 2016 Superfund Five-Year Review Report to Congress," in accordance with the requirements of Section 121(c) of the Comprehensive Environmental Response, Compensation and Liability Act.

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Enclosure

**FY 2016 REPORT TO CONGRESS  
SUPERFUND FIVE-YEAR REVIEWS**

**PURPOSE:**

Consistent with CERCLA section 121(c), Executive Order 12580 and the National Contingency Plan, the U.S. Environmental Protection Agency (EPA) is responsible for reviewing Superfund remedial actions at least every five years where hazardous substances, pollutants, or contaminants will remain on site above levels that allow for unlimited use and unrestricted exposure. EPA is also responsible for preparing a report to Congress on these reviews.

**BACKGROUND:**

Section 121(c) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, states:

*“If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each 5 years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section 9604 or 9606 of the Title, the President shall take or require such action.”*

CERCLA also requires that EPA report to Congress information regarding these sites for which the reviews are required. This report fulfills that requirement by providing a list of sites, information about sites where additional work is required, and contacts for additional information.

**FINDINGS:**

Tables 1 and 2 provide a summary of five-year reviews conducted for non-Federal facility sites and Federal facility National Priorities List (NPL) sites and respective protectiveness determinations, including the following:

- Non-Federal facility reviews, due in Fiscal Year (FY) 2016 or prior fiscal years, currently completed;
- Non-Federal facility reviews due in FY 2016 or prior fiscal years, pending completion;
- Federal facility reviews due in FY 2016, currently completed; and
- Federal facility reviews due in FY 2016 or prior fiscal years, pending completion.

For non-Federal facility sites, a total of 201 sites required five-year reviews in FY 2016. Of the reviews due in FY 2016, 197 are now complete, while four remain pending completion. Another nine reviews due in prior fiscal years were also completed in FY 2016, bringing the total number of non-Federal site five-year reviews completed in FY 2016 to **206** (Table 1).

For Federal facility NPL sites, a total of 42 sites required five-year reviews in FY 2016. Of the reviews due in FY 2016, 38 are now complete, while four remain pending completion. No additional reviews

due in prior fiscal years were completed, meaning that the total number of Federal facility NPL site five-year reviews completed in FY 2016 is **38** (Table 1).

For non-Federal facility sites, three reviews due in a prior fiscal year remain pending and EPA is working to complete them. For Federal facility NPL sites, one review due in a prior fiscal year is pending. EPA expects that all pending reviews will be completed in the near future (Table 1).

In all, the total number of five-year reviews completed for both non-Federal facility and Federal facility NPL sites was **244**. Based on the reviews, EPA has determined that seven sites (or portions of the sites) were “not protective” and that 39 sites were “protectiveness deferred” (Table 2). Recommendations to do additional work or study for each of these sites are tracked in the Superfund Enterprise Management System (SEMS) and, semi-annually, EPA headquarters monitors the progress in implementing these recommendations to resolve protectiveness-related issues at all sites.

**Table 1: FYR Completion Status**

| <b>Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2016</b> |                       |           |              |
|--|-----------------------|-----------|--------------|
| <b>FYR Completion Status</b>   | <b>Number of FYRs</b> |           |              |
|  | <b>Non-FF</b>         | <b>FF</b> | <b>Total</b> |
| <b>Total FYRs Due in FY16</b>  | <b>201</b>            | <b>42</b> | <b>243</b>   |
| <b>Total FYRs Completed in FY16</b>  | <b>206</b>            | <b>38</b> | <b>244</b>   |
| FYRs Due in FY16, Completed in FY16  | 197                   | 38        | 235          |
| FYRs Due in other FYs, Completed in FY16   | 9                     | 0         | 9            |
| <b>Total FYRs Pending Completion at the end of FY16</b>                                  | <b>7</b>              | <b>5</b>  | <b>12</b>    |
| FYRs Due in FY16, Pending Completion   | 4                     | 4         | 8            |
| FYRs Due in other FYs, Pending Completion  | 3                     | 1         | 4            |

**Table 2: FYR Protectiveness Determination**

| <b>Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2016</b> |                       |           |              |
|--|-----------------------|-----------|--------------|
| <b>Protectiveness Determination<sup>a</sup></b>  | <b>Number of FYRs</b> |           |              |
|  | <b>Non-FF</b>         | <b>FF</b> | <b>Total</b> |
| Protective   | 62                    | 7         | 69           |
| Short-Term Protective  | 94                    | 17        | 111          |
| Will Be Protective   | 15                    | 3         | 18           |
| Protectiveness Deferred  | 28                    | 11        | 39           |
| Not Protective   | 7                     | 0         | 7            |
| <b>Total</b>   | <b>206</b>            | <b>38</b> | <b>244</b>   |

<sup>a</sup> Explanations of terms used in this table are included in Attachment 3.

Summary copies of all five-year reviews, including those contained in this report, can be accessed publicly via the national Superfund web page (<http://www.epa.gov/superfund/search-superfund-five-year-reviews>). These reports contain detailed information regarding the effectiveness of the site remedy and assess whether human and/or ecological exposures are occurring. The information in these reports

includes the protectiveness determinations that are ultimately selected and are reported in the associated table for each site. Additional details on the five-year reviews summarized in this report are provided in the attachments, including a list of statutory, policy and discretionary<sup>1</sup> five-year reviews that were conducted for non-Federal facility sites and Federal facility NPL sites.

For additional information on any of the five-year reviews identified in this report, please contact the Office of Superfund Remediation and Technology Innovation at (703) 603-8960, or the Superfund Call Center at (703) 412-9810 or (800) 424-9346.

Attachments (3)

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<sup>1</sup> As further discussed in EPA's Comprehensive Five Year Review Guidance (2001, OSWER 9355.7-03B-P), statutory reviews are carried out if both of the following conditions are true: 1) Upon completion of the remedial action, hazardous substances, pollutants, or contaminants will remain on site; and 2) the Record of Decision (ROD) for the site was signed on or after October 17, 1986, (effective date of the Superfund Amendments and Reauthorization Act – SARA) and the remedial action was selected under CERCLA §121. Policy reviews are carried out for the following types of actions: 1) a pre- or post-SARA remedial action that, upon completion, will not leave hazardous substances, pollutants, or contaminants on site above levels that allow for unlimited use and unrestricted exposure but requires five years or more to complete; 2) a pre-SARA remedial action that leaves hazardous substances, pollutants, or contaminants on site above levels that allow for unlimited use and unrestricted exposures; or 3) a removal-only site on the NPL where a removal action leaves hazardous substances, pollutants, or contaminants on site above levels that allow for unlimited use and unrestricted exposure and where no remedial action has taken or will take place. Regions may also carry out a discretionary review, which is not required by the statute, but may be completed at the Region's discretion to help ensure the protectiveness of the remedy.

**Attachment 1**

**FY 2016 Superfund Five-Year Review Report to Congress  
FYRs at Non-Federal Facility Sites**

| <b>Non-Federal Facility FYRs Completed in FY16</b> |              |   |                 |                       |                        |   |
|--|--------------|---|-----------------|-----------------------|------------------------|---|
| <b>Region</b>                                      | <b>State</b> | <b>Site Name</b>                                    | <b>FYR Type</b> | <b>Date Completed</b> | <b>Fiscal Year Due</b> | <b>Protectiveness Determination<sup>a</sup></b> |
| 01   | CT           | DURHAM MEADOWS                                      | Statutory       | 09/28/2016            | 2016                   | Protective                                      |
| 01   | ME           | EASTERN SURPLUS                                     | Statutory       | 09/28/2016            | 2016                   | Short-Term Protective                           |
| 01   | ME           | CALLAHAN MINING CORP                                | Statutory       | 04/18/2016            | 2016                   | Will be Protective                              |
| 01   | NH           | COAKLEY LANDFILL                                    | Statutory       | 09/26/2016            | 2016                   | Protectiveness Deferred                         |
| 01   | NH           | SAVAGE MUNICIPAL WATER SUPPLY                       | Policy          | 09/14/2016            | 2016                   | Short-Term Protective                           |
| 02   | NJ           | HIGGINS DISPOSAL                                    | Policy          | 05/20/2016            | 2016                   | Protective                                      |
| 02   | NJ           | LANDFILL & DEVELOPMENT CO.                          | Statutory       | 08/05/2016            | 2016                   | Protective                                      |
| 02   | NJ           | LANG PROPERTY                                       | Policy          | 06/30/2016            | 2015                   | Protective                                      |
| 02   | NJ           | MONTGOMERY TOWNSHIP HOUSING DEVELOPMENT             | Policy          | 09/14/2016            | 2015                   | Protective                                      |
| 02   | NJ           | ROCKY HILL MUNICIPAL WELL                           | Policy          | 09/14/2016            | 2015                   | Protective                                      |
| 02   | NJ           | U.S. RADIUM CORP.                                   | Policy          | 05/09/2016            | 2016                   | Protective                                      |
| 02   | NJ           | SYNCON RESINS                                       | Statutory       | 09/20/2016            | 2016                   | Protectiveness Deferred                         |
| 02   | NJ           | UNIVERSAL OIL PRODUCTS (CHEMICAL DIVISION)          | Statutory       | 09/27/2016            | 2016                   | Protectiveness Deferred                         |
| 02   | NJ           | BURNT FLY BOG                                       | Statutory       | 06/24/2016            | 2016                   | Short-Term Protective                           |
| 02   | NJ           | DENZER & SCHAFFER X-RAY CO.                         | Policy          | 09/22/2016            | 2016                   | Short-Term Protective                           |
| 02   | NJ           | DIAMOND ALKALI CO.                                  | Statutory       | 06/23/2016            | 2016                   | Short-Term Protective                           |
| 02   | NJ           | WILLIAMS PROPERTY                                   | Policy          | 09/21/2016            | 2016                   | Short-Term Protective                           |
| 02   | NJ           | VINELAND CHEMICAL CO., INC.                         | Discretionary   | 09/26/2016            | 2016                   | Will be Protective                              |
| 02   | NY           | COMPUTER CIRCUITS                                   | Policy          | 09/15/2016            | 2016                   | Protective                                      |
| 02   | NY           | CORTESE LANDFILL                                    | Statutory       | 09/09/2016            | 2016                   | Protective                                      |
| 02   | NY           | ENDICOTT VILLAGE WELL FIELD                         | Statutory       | 07/22/2016            | 2016                   | Protective                                      |
| 02   | NY           | HOOKER (102ND STREET)                               | Statutory       | 09/26/2016            | 2016                   | Protective                                      |
| 02   | NY           | HOOKER (HYDE PARK)                                  | Statutory       | 08/23/2016            | 2016                   | Protective                                      |
| 02   | NY           | JOHNSTOWN CITY LANDFILL                             | Statutory       | 09/09/2016            | 2016                   | Protective                                      |
| 02   | NY           | JONES SANITATION                                    | Statutory       | 09/09/2016            | 2016                   | Protective                                      |
| 02   | NY           | NIAGARA MOHAWK POWER CORP. (SARATOGA SPRINGS PLANT) | Statutory       | 09/15/2016            | 2016                   | Protective                                      |
| 02   | NY           | ONONDAGA LAKE                                       | Statutory       | 05/20/2016            | 2016                   | Protective                                      |

| Region | State | Site Name   | FYR Type  | Date Completed | Fiscal Year Due | Protectiveness Determination <sup>a</sup> |
|--------|-------|---|-----------|----------------|-----------------|---|
| 02     | NY    | PFOHL BROTHERS LANDFILL                             | Statutory | 06/30/2016     | 2016            | Protective                                |
| 02     | NY    | REYNOLDS METALS CO                                  | Statutory | 08/16/2016     | 2016            | Protective                                |
| 02     | NY    | SMITHTOWN GROUND WATER CONTAMINATION                | Policy    | 06/23/2016     | 2016            | Protective                                |
| 02     | NY    | TRI-CITIES BARREL CO., INC.                         | Policy    | 09/15/2016     | 2016            | Protective                                |
| 02     | NY    | WARWICK LANDFILL                                    | Statutory | 06/20/2016     | 2016            | Protective                                |
| 02     | NY    | APPLIED ENVIRONMENTAL SERVICES                      | Policy    | 08/17/2016     | 2016            | Short-Term Protective                     |
| 02     | NY    | HOOKER CHEMICAL & PLASTICS CORP./RUCO POLYMER CORP. | Statutory | 08/23/2016     | 2016            | Short-Term Protective                     |
| 02     | NY    | JONES CHEMICALS, INC.                               | Policy    | 09/29/2016     | 2016            | Short-Term Protective                     |
| 02     | NY    | ROBINTECH, INC./NATIONAL PIPE CO.                   | Policy    | 09/30/2016     | 2016            | Short-Term Protective                     |
| 02     | NY    | SARNEY FARM   | Policy    | 09/20/2016     | 2016            | Short-Term Protective                     |
| 03     | DE    | STANDARD CHLORINE OF DELAWARE, INC.                 | Statutory | 07/07/2016     | 2016            | Will be Protective                        |
| 03     | MD    | WOODLAWN COUNTY LANDFILL                            | Statutory | 12/15/2015     | 2016            | Protective                                |
| 03     | MD    | LIMESTONE ROAD                                      | Policy    | 01/21/2016     | 2016            | Short-Term Protective                     |
| 03     | MD    | ORDNANCE PRODUCTS, INC.                             | Statutory | 11/23/2015     | 2016            | Short-Term Protective                     |
| 03     | PA    | RESIN DISPOSAL                                      | Statutory | 12/29/2015     | 2016            | Not Protective                            |
| 03     | PA    | NOVAK SANITARY LANDFILL                             | Statutory | 05/16/2016     | 2016            | Protective                                |
| 03     | PA    | REVERE CHEMICAL CO.                                 | Statutory | 09/20/2016     | 2016            | Protective                                |
| 03     | PA    | A.I.W. FRANK/MID-COUNTY MUSTANG                     | Policy    | 03/15/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | BERKS SAND PIT                                      | Policy    | 08/02/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | BUTZ LANDFILL                                       | Statutory | 08/25/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | DELTA QUARRIES & DISPOSAL, INC./STOTLER LANDFILL    | Statutory | 05/04/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | JACKS CREEK/SITKIN SMELTING & REFINING, INC.        | Statutory | 03/25/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | MILL CREEK DUMP                                     | Policy    | 09/16/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | OLD CITY OF YORK LANDFILL                           | Statutory | 02/26/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | PAOLI RAIL YARD                                     | Statutory | 04/28/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | RYELAND ROAD ARSENIC SITE                           | Statutory | 09/21/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | UGI COLUMBIA GAS PLANT                              | Statutory | 05/05/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | VALMONT TCE SITE (FORMER - VALMONT INDUSTRIAL PARK) | Statutory | 08/10/2016     | 2016            | Short-Term Protective                     |

| Region | State | Site Name  | FYR Type  | Date Completed | Fiscal Year Due | Protectiveness Determination <sup>a</sup> |
|--------|-------|--|-----------|----------------|-----------------|---|
| 03     | PA    | WALSH LANDFILL   | Statutory | 05/05/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | WESTINGHOUSE ELECTRIC CORP. (SHARON PLANT)                   | Statutory | 09/21/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | WESTINGHOUSE ELEVATOR CO. PLANT                              | Policy    | 06/15/2016     | 2016            | Short-Term Protective                     |
| 03     | PA    | CRATER RESOURCES, INC./KEYSTONE COKE CO./ALAN WOOD STEEL CO. | Statutory | 09/12/2016     | 2016            | Will be Protective                        |
| 03     | VA    | ARROWHEAD ASSOCIATES, INC./SCOVILL CORP.                     | Statutory | 01/05/2016     | 2015            | Not Protective                            |
| 03     | VA    | KIM-STAN LANDFILL  | Statutory | 12/03/2015     | 2016            | Protective                                |
| 03     | WV    | ORDNANCE WORKS DISPOSAL AREAS                                | Statutory | 09/12/2016     | 2016            | Protective                                |
| 04     | AL    | CIBA-GEIGY CORP. (MCINTOSH PLANT)                            | Statutory | 09/29/2016     | 2016            | Protectiveness Deferred                   |
| 04     | AL    | OLIN CORP. (MCINTOSH PLANT)                                  | Statutory | 09/29/2016     | 2016            | Protectiveness Deferred                   |
| 04     | AL    | INTERSTATE LEAD CO. (ILCO)                                   | Statutory | 09/26/2016     | 2016            | Short-Term Protective                     |
| 04     | AL    | STAUFFER CHEMICAL CO. (COLD CREEK PLANT)                     | Statutory | 08/30/2016     | 2016            | Will be Protective                        |
| 04     | AL    | STAUFFER CHEMICAL CO. (LEMOYNE PLANT)                        | Statutory | 08/30/2016     | 2016            | Will be Protective                        |
| 04     | FL    | AMERICAN CREOSOTE WORKS, INC. (PENSACOLA PLANT)              | Statutory | 09/20/2016     | 2016            | Not Protective                            |
| 04     | FL    | SCHUYLKILL METALS CORP.                                      | Statutory | 08/30/2016     | 2016            | Protective                                |
| 04     | FL    | SYDNEY MINE SLUDGE PONDS                                     | Policy    | 03/23/2016     | 2016            | Protective                                |
| 04     | FL    | WINGATE ROAD MUNICIPAL INCINERATOR DUMP                      | Statutory | 09/14/2016     | 2016            | Protective                                |
| 04     | FL    | ZELLWOOD GROUND WATER CONTAMINATION                          | Statutory | 09/22/2016     | 2016            | Protectiveness Deferred                   |
| 04     | FL    | AIRCO PLATING CO.  | Statutory | 09/22/2016     | 2016            | Short-Term Protective                     |
| 04     | FL    | FLASH CLEANERS   | Policy    | 08/16/2016     | 2016            | Short-Term Protective                     |
| 04     | FL    | FLORIDA STEEL CORP.  | Statutory | 08/16/2016     | 2016            | Short-Term Protective                     |
| 04     | FL    | HOLLINGSWORTH SOLDERLESS TERMINAL                            | Policy    | 08/31/2016     | 2016            | Short-Term Protective                     |
| 04     | FL    | NORMANDY PARK APARTMENTS                                     | Statutory | 08/09/2016     | 2016            | Short-Term Protective                     |
| 04     | FL    | PETROLEUM PRODUCTS CORP.                                     | Statutory | 12/03/2015     | 2016            | Short-Term Protective                     |
| 04     | FL    | PICKETTVILLE ROAD LANDFILL                                   | Statutory | 02/24/2016     | 2016            | Short-Term Protective                     |
| 04     | FL    | CABOT/KOPPERS  | Statutory | 03/30/2016     | 2016            | Will be Protective                        |
| 04     | FL    | HELENA CHEMICAL CO. (TAMPA PLANT)                            | Statutory | 03/10/2016     | 2016            | Will be Protective                        |



| Region | State | Site Name                                  | FYR Type  | Date Completed | Fiscal Year Due | Protectiveness Determination <sup>a</sup> |
|--------|-------|--|-----------|----------------|-----------------|---|
| 04     | FL    | REEVES SOUTHEASTERN GALVANIZING CORP.      | Policy    | 09/27/2016     | 2016            | Will be Protective                        |
| 04     | GA    | CEDARTOWN INDUSTRIES, INC.                 | Statutory | 09/27/2016     | 2016            | Short-Term Protective                     |
| 04     | GA    | CEDARTOWN MUNICIPAL LANDFILL               | Statutory | 09/27/2016     | 2016            | Short-Term Protective                     |
| 04     | GA    | DIAMOND SHAMROCK CORP. LANDFILL            | Policy    | 09/26/2016     | 2016            | Short-Term Protective                     |
| 04     | GA    | FIRESTONE TIRE & RUBBER CO. (ALBANY PLANT) | Statutory | 09/26/2016     | 2016            | Short-Term Protective                     |
| 04     | GA    | HERCULES 009 LANDFILL                      | Statutory | 09/06/2016     | 2016            | Short-Term Protective                     |
| 04     | KY    | NATIONAL SOUTHWIRE ALUMINUM CO.            | Statutory | 09/26/2016     | 2016            | Protective                                |
| 04     | KY    | GREEN RIVER DISPOSAL, INC.                 | Statutory | 09/29/2016     | 2016            | Short-Term Protective                     |
| 04     | KY    | SMITH'S FARM                               | Statutory | 09/22/2016     | 2016            | Short-Term Protective                     |
| 04     | MS    | FLOWOOD SITE                               | Statutory | 08/31/2016     | 2016            | Short-Term Protective                     |
| 04     | NC    | FCX, INC. (STATESVILLE PLANT)              | Policy    | 08/18/2016     | 2016            | Protective                                |
| 04     | NC    | FLANDERS FILTERS INC                       | Policy    | 09/26/2016     | 2016            | Protective                                |
| 04     | NC    | BARBER ORCHARD                             | Policy    | 09/21/2016     | 2016            | Protectiveness Deferred                   |
| 04     | NC    | CAPE FEAR WOOD PRESERVING                  | Policy    | 09/22/2016     | 2016            | Short-Term Protective                     |
| 04     | NC    | CELANESE CORP. (SHELBY FIBER OPERATIONS)   | Statutory | 08/18/2016     | 2016            | Short-Term Protective                     |
| 04     | NC    | JADCO-HUGHES FACILITY                      | Policy    | 09/26/2016     | 2016            | Short-Term Protective                     |
| 04     | SC    | GOLDEN STRIP SEPTIC TANK SERVICE           | Statutory | 09/29/2016     | 2016            | Protective                                |
| 04     | SC    | ROCK HILL CHEMICAL CO.                     | Policy    | 09/29/2016     | 2016            | Protective                                |
| 04     | SC    | BREWER GOLD MINE                           | Statutory | 09/21/2016     | 2016            | Short-Term Protective                     |
| 04     | SC    | SHURON INC.                                | Statutory | 09/22/2016     | 2016            | Short-Term Protective                     |
| 04     | TN    | MURRAY-OHIO DUMP                           | Statutory | 09/29/2016     | 2016            | Protectiveness Deferred                   |
| 04     | TN    | TENNESSEE PRODUCTS                         | Statutory | 09/26/2016     | 2016            | Short-Term Protective                     |
| 04     | TN    | VELSICOL CHEMICAL CORP. (HARDEMAN COUNTY)  | Statutory | 03/31/2016     | 2016            | Will be Protective                        |
| 05     | IN    | LITTLE MISSISSINAWA RIVER                  | Statutory | 10/05/2015     | 2016            | Protectiveness Deferred                   |
| 05     | IN    | AMERICAN CHEMICAL SERVICE, INC.            | Statutory | 03/14/2016     | 2016            | Short-Term Protective                     |
| 05     | IN    | HIMCO DUMP                                 | Statutory | 03/01/2016     | 2016            | Short-Term Protective                     |
| 05     | IN    | LAKE SANDY JO (M&M LANDFILL)               | Policy    | 07/14/2016     | 2016            | Short-Term Protective                     |

| Region | State | Site Name  | FYR Type      | Date Completed | Fiscal Year Due | Protectiveness Determination <sup>a</sup> |
|--------|-------|--|---------------|----------------|-----------------|---|
| 05     | IN    | PRESTOLITE BATTERY DIVISION                        | Statutory     | 09/21/2016     | 2016            | Short-Term Protective                     |
| 05     | IN    | WASTE, INC., LANDFILL                              | Statutory     | 06/02/2016     | 2016            | Short-Term Protective                     |
| 05     | MI    | LOWER ECORSE CREEK DUMP                            | Statutory     | 01/28/2016     | 2016            | Protective                                |
| 05     | MI    | CHARLEVOIX MUNICIPAL WELL                          | Discretionary | 09/06/2016     | 2016            | Protectiveness Deferred                   |
| 05     | MI    | AUTO ION CHEMICALS, INC.                           | Statutory     | 08/30/2016     | 2016            | Short-Term Protective                     |
| 05     | MI    | CLARE WATER SUPPLY                                 | Statutory     | 09/16/2016     | 2016            | Short-Term Protective                     |
| 05     | MI    | ELECTROVOICE                                       | Statutory     | 06/30/2016     | 2016            | Short-Term Protective                     |
| 05     | MI    | G&H LANDFILL                                       | Statutory     | 04/22/2016     | 2016            | Short-Term Protective                     |
| 05     | MI    | J & L LANDFILL                                     | Statutory     | 05/16/2016     | 2016            | Short-Term Protective                     |
| 05     | MI    | MASON COUNTY LANDFILL                              | Statutory     | 01/15/2016     | 2016            | Short-Term Protective                     |
| 05     | MI    | WASH KING LAUNDRY                                  | Policy        | 09/14/2016     | 2016            | Short-Term Protective                     |
| 05     | MN    | EAST BETHEL DEMOLITION LANDFILL                    | Statutory     | 08/26/2016     | 2016            | Protective                                |
| 05     | MN    | LEHILLIER/MANKATO                                  | Policy        | 06/24/2016     | 2016            | Short-Term Protective                     |
| 05     | MN    | MACGILLIS & GIBBS CO./BELL LUMBER & POLE CO.       | Statutory     | 06/24/2016     | 2016            | Short-Term Protective                     |
| 05     | MN    | PERHAM ARSENIC SITE                                | Statutory     | 08/04/2016     | 2016            | Short-Term Protective                     |
| 05     | MN    | REILLY TAR & CHEMICAL CORP. (ST. LOUIS PARK PLANT) | Statutory     | 06/14/2016     | 2016            | Short-Term Protective                     |
| 05     | MN    | SOUTH ANDOVER SITE                                 | Statutory     | 06/03/2016     | 2016            | Short-Term Protective                     |
| 05     | OH    | FORD RD IND LDFL                                   | Statutory     | 08/19/2016     | 2016            | Protective                                |
| 05     | OH    | PRISTINE, INC.                                     | Statutory     | 08/04/2016     | 2016            | Protective                                |
| 05     | OH    | UNITED SCRAP LEAD CO., INC.                        | Statutory     | 04/14/2016     | 2016            | Protective                                |
| 05     | OH    | COPLEY SQUARE PLAZA                                | Statutory     | 08/10/2016     | 2016            | Protectiveness Deferred                   |
| 05     | OH    | INDUSTRIAL EXCESS LANDFILL                         | Statutory     | 05/06/2016     | 2016            | Protectiveness Deferred                   |
| 05     | OH    | OLD MILL   | Policy        | 09/26/2016     | 2016            | Short-Term Protective                     |
| 05     | OH    | SOUTH POINT PLANT                                  | Statutory     | 04/14/2016     | 2016            | Short-Term Protective                     |
| 05     | OH    | ZANESVILLE WELL FIELD                              | Policy        | 05/13/2016     | 2016            | Short-Term Protective                     |
| 05     | WI    | JANESVILLE ASH BEDS                                | Statutory     | 07/25/2016     | 2016            | Protective                                |
| 05     | WI    | JANESVILLE OLD LANDFILL                            | Statutory     | 07/25/2016     | 2016            | Protective                                |
| 05     | WI    | TOMAH ARMORY                                       | Statutory     | 08/11/2016     | 2016            | Protective                                |

| Region | State | Site Name                                   | FYR Type  | Date Completed | Fiscal Year Due | Protectiveness Determination <sup>a</sup> |
|--------|-------|---|-----------|----------------|-----------------|---|
| 05     | WI    | HAGEN FARM                                  | Statutory | 07/26/2016     | 2016            | Short-Term Protective                     |
| 05     | WI    | HUNTS DISPOSAL LANDFILL                     | Statutory | 09/21/2016     | 2016            | Short-Term Protective                     |
| 05     | WI    | N.W. MAUTHE CO., INC.                       | Statutory | 04/21/2016     | 2016            | Short-Term Protective                     |
| 05     | WI    | RIPON CITY LANDFILL                         | Statutory | 07/06/2016     | 2016            | Short-Term Protective                     |
| 06     | AR    | ARKWOOD, INC.                               | Statutory | 09/30/2016     | 2016            | Short-Term Protective                     |
| 06     | AR    | MIDLAND PRODUCTS                            | Policy    | 09/27/2016     | 2016            | Short-Term Protective                     |
| 06     | AR    | POPILE, INC.                                | Statutory | 09/27/2016     | 2016            | Short-Term Protective                     |
| 06     | LA    | COMBUSTION, INC.                            | Statutory | 01/14/2016     | 2016            | Protective                                |
| 06     | LA    | DUTCHTOWN TREATMENT PLANT                   | Statutory | 07/21/2016     | 2016            | Protective                                |
| 06     | LA    | BAYOU BONFOUCA                              | Statutory | 08/12/2016     | 2016            | Short-Term Protective                     |
| 06     | LA    | PETRO-PROCESSORS OF LOUISIANA, INC.         | Policy    | 03/11/2016     | 2016            | Short-Term Protective                     |
| 06     | NM    | GRIGGS & WALNUT GROUND WATER PLUME          | Statutory | 09/29/2016     | 2016            | Protectiveness Deferred                   |
| 06     | NM    | HOMESTAKE MINING CO.                        | Policy    | 07/28/2016     | 2016            | Short-Term Protective                     |
| 06     | NM    | OUACHITA NEVADA WOOD TREATER                | Statutory | 08/19/2016     | 2016            | Short-Term Protective                     |
| 06     | OK    | COMPASS INDUSTRIES (AVERY DRIVE)            | Statutory | 03/25/2016     | 2016            | Protective                                |
| 06     | OK    | TENTH STREET DUMP/JUNKYARD                  | Statutory | 06/15/2016     | 2016            | Protective                                |
| 06     | TX    | CRYSTAL CITY AIRPORT                        | Statutory | 07/08/2016     | 2016            | Protective                                |
| 06     | TX    | ALCOA (POINT COMFORT)/LAVACA BAY            | Statutory | 07/08/2016     | 2016            | Protectiveness Deferred                   |
| 06     | TX    | ODESSA CHROMIUM #1                          | Policy    | 09/30/2016     | 2016            | Protectiveness Deferred                   |
| 06     | TX    | GULFCO MARINE MAINTENANCE                   | Statutory | 09/21/2016     | 2016            | Short-Term Protective                     |
| 06     | TX    | KOPPERS CO., INC. (TEXARKANA PLANT)         | Statutory | 09/27/2016     | 2016            | Short-Term Protective                     |
| 06     | TX    | PETRO-CHEMICAL SYSTEMS, INC. (TURTLE BAYOU) | Statutory | 08/19/2016     | 2016            | Short-Term Protective                     |
| 06     | TX    | SIKES DISPOSAL PITS                         | Policy    | 09/19/2016     | 2016            | Short-Term Protective                     |
| 06     | TX    | TRIANGLE CHEMICAL CO.                       | Policy    | 09/21/2016     | 2016            | Short-Term Protective                     |
| 07     | IA    | RAILROAD AVENUE GROUNDWATER CONTAMINATION   | Policy    | 09/14/2016     | 2016            | Protective                                |
| 07     | IA    | MIDWEST MANUFACTURING/NORTH FARM            | Statutory | 03/18/2016     | 2016            | Protectiveness Deferred                   |
| 07     | IA    | RALSTON                                     | Statutory | 06/29/2016     | 2016            | Protectiveness Deferred                   |

| Region | State | Site Name   | FYR Type  | Date Completed | Fiscal Year Due | Protectiveness Determination <sup>a</sup> |
|--------|-------|---|-----------|----------------|-----------------|---|
| 07     | IA    | ELECTRO-COATINGS, INC.  | Policy    | 09/20/2016     | 2015            | Short-Term Protective                     |
| 07     | IA    | PEOPLES NATURAL GAS CO.   | Statutory | 12/11/2015     | 2015            | Short-Term Protective                     |
| 07     | KS    | DOEPKE DISPOSAL (HOLLIDAY)                                      | Statutory | 12/11/2015     | 2016            | Protective                                |
| 07     | KS    | CHEMICAL COMMODITIES, INC.                                      | Statutory | 09/27/2016     | 2016            | Protectiveness Deferred                   |
| 07     | KS    | OBEE ROAD   | Statutory | 12/16/2015     | 2015            | Protectiveness Deferred                   |
| 07     | KS    | STROTHER FIELD INDUSTRIAL PARK                                  | Statutory | 09/27/2016     | 2016            | Protectiveness Deferred                   |
| 07     | MO    | ST. LOUIS AIRPORT/HAZELWOOD INTERIM STORAGE/FUTURA COATINGS CO. | Statutory | 05/17/2016     | 2016            | Will Be Protective                        |
| 07     | NE    | HASTINGS GROUND WATER CONTAMINATION                             | Statutory | 09/27/2016     | 2016            | Protectiveness Deferred                   |
| 07     | NE    | OGALLALA GROUND WATER CONTAMINATION                             | Policy    | 09/22/2016     | 2016            | Protectiveness Deferred                   |
| 08     | CO    | BRODERICK WOOD PRODUCTS   | Statutory | 09/29/2016     | 2016            | Not Protective                            |
| 08     | CO    | MARSHALL LANDFILL   | Policy    | 09/27/2016     | 2016            | Protective                                |
| 08     | CO    | SMELTERTOWN SITE  | Statutory | 12/29/2015     | 2015            | Protective                                |
| 08     | MT    | SILVER BOW CREEK/BUTTE AREA                                     | Statutory | 08/30/2016     | 2016            | Protectiveness Deferred                   |
| 08     | MT    | EAST HELENA SITE  | Statutory | 09/26/2016     | 2016            | Will be Protective                        |
| 08     | MT    | MILLTOWN RESERVOIR SEDIMENTS                                    | Statutory | 09/29/2016     | 2016            | Will be Protective                        |
| 08     | ND    | MINOT LANDFILL  | Statutory | 09/27/2016     | 2016            | Protective                                |
| 08     | UT    | KENNECOTT (SOUTH ZONE)  | Statutory | 05/06/2016     | 2015            | Not Protective                            |
| 08     | UT    | OGDEN RAILROAD YARD   | Statutory | 09/29/2016     | 2016            | Protective                                |
| 08     | UT    | PETROCHEM RECYCLING CORP./EKOTEK PLANT                          | Statutory | 09/23/2016     | 2016            | Protective                                |
| 08     | UT    | UTAH POWER & LIGHT/AMERICAN BARREL CO.                          | Policy    | 09/23/2016     | 2016            | Protective                                |
| 09     | AZ    | HASSAYAMPA LANDFILL   | Statutory | 09/26/2016     | 2016            | Protective                                |
| 09     | AZ    | INDIAN BEND WASH AREA   | Policy    | 09/29/2016     | 2016            | Protectiveness Deferred                   |
| 09     | AZ    | MOTOROLA, INC. (52ND STREET PLANT)                              | Statutory | 09/27/2016     | 2016            | Protectiveness Deferred                   |
| 09     | CA    | SAN GABRIEL VALLEY (AREA 1)                                     | Statutory | 09/30/2016     | 2016            | Not Protective                            |
| 09     | CA    | UNITED HECKATHORN CO.   | Statutory | 08/08/2016     | 2016            | Not Protective                            |
| 09     | CA    | ATLAS ASBESTOS MINE   | Statutory | 09/21/2016     | 2016            | Protective                                |
| 09     | CA    | COALINGA ASBESTOS MINE  | Statutory | 09/21/2016     | 2016            | Protective                                |
| 09     | CA    | INTEL CORP. (SANTA CLARA III)                                   | Policy    | 08/04/2016     | 2016            | Protective                                |
| 09     | CA    | PACIFIC COAST PIPE LINES  | Policy    | 08/22/2016     | 2016            | Protective                                |

| Region | State | Site Name  | FYR Type  | Date Completed | Fiscal Year Due | Protectiveness Determination <sup>a</sup> |
|--------|-------|--|-----------|----------------|-----------------|---|
| 09     | CA    | WESTINGHOUSE ELECTRIC CORP. (SUNNYVALE PLANT)      | Statutory | 08/23/2016     | 2016            | Protective                                |
| 09     | CA    | AEROJET GENERAL CORP.                              | Policy    | 09/22/2016     | 2016            | Protectiveness Deferred                   |
| 09     | CA    | SAN GABRIEL VALLEY (AREA 4)                        | Statutory | 09/29/2016     | 2016            | Protectiveness Deferred                   |
| 09     | CA    | SELMA TREATING CO.                                 | Statutory | 09/19/2016     | 2016            | Protectiveness Deferred                   |
| 09     | CA    | BROWN & BRYANT, INC. (ARVIN PLANT)                 | Statutory | 09/08/2016     | 2016            | Short-Term Protective                     |
| 09     | CA    | COAST WOOD PRESERVING                              | Statutory | 09/15/2016     | 2016            | Short-Term Protective                     |
| 09     | CA    | PURITY OIL SALES, INC.                             | Statutory | 09/22/2016     | 2016            | Short-Term Protective                     |
| 09     | CA    | STRINGFELLOW                                       | Statutory | 09/15/2016     | 2016            | Short-Term Protective                     |
| 09     | CA    | LAVA CAP MINE                                      | Statutory | 08/25/2016     | 2016            | Will be Protective                        |
| 10     | ID    | BUNKER HILL MINING & METALLURGICAL COMPLEX         | Statutory | 11/16/2015     | 2016            | Will be Protective                        |
| 10     | OR    | MCCORMICK & BAXTER CREOSOTING CO. (PORTLAND PLANT) | Statutory | 09/28/2016     | 2016            | Short-Term Protective                     |
| 10     | OR    | NORTHWEST PIPE & CASING/HALL PROCESS COMPANY       | Statutory | 09/28/2016     | 2016            | Short-Term Protective                     |
| 10     | WA    | SPOKANE JUNKYARD/ASSOCIATED PROPERTIES             | Policy    | 09/20/2016     | 2016            | Protective                                |
| 10     | WA    | OESER CO.  | Statutory | 09/02/2016     | 2016            | Short-Term Protective                     |

<sup>a</sup> Explanations of terms used in this table are included in Attachment 3.

| <b>Non-Federal Facility FYRs Not Yet Complete</b> |       |                                 |           |                 |
|---|-------|---------------------------------|-----------|-----------------|
| Region  | State | Site Name                       | FYR Type  | Fiscal Year Due |
| 04  | KY    | AIRCO                           | Statutory | 2016            |
| 04  | KY    | B.F. GOODRICH                   | Statutory | 2016            |
| 08  | CO    | ASARCO, INC. (GLOBE PLANT)      | Statutory | 2014            |
| 08  | CO    | CENTRAL CITY, CLEAR CREEK       | Statutory | 2014            |
| 08  | MT    | MONTANA POLE AND TREATING       | Statutory | 2016            |
| 08  | MT    | UPPER TENMILE CREEK MINING AREA | Statutory | 2013            |
| 10  | OR    | UNITED CHROME PRODUCTS, INC.    | Policy    | 2016            |

**Attachment 2**

**FY 2016 Superfund Five-Year Review Report to Congress  
FYRs at Federal Facility Sites**

| <b>Federal Facility FYRs Completed in FY16</b> |              |   |                 |                       |                        |   |
|--|--------------|---|-----------------|-----------------------|------------------------|---|
| <b>Region</b>                                  | <b>State</b> | <b>Site Name</b>  | <b>FYR Type</b> | <b>Date Completed</b> | <b>Fiscal Year Due</b> | <b>Protectiveness Determination<sup>a</sup></b> |
| 01   | MA           | FORT DEVENS-SUDBURY TRAINING ANNEX                                  | Statutory       | 09/26/2016            | 2016                   | Short-Term Protective                           |
| 01   | MA           | MATERIALS TECHNOLOGY LABORATORY (USARMY)                            | Statutory       | 03/28/2016            | 2016                   | Protectiveness Deferred                         |
| 02   | NJ           | NAVAL AIR ENGINEERING CENTER  | Statutory       | 07/26/2016            | 2016                   | Protective                                      |
| 02   | NJ           | PICATINNY ARSENAL (USARMY)  | Statutory       | 08/24/2016            | 2016                   | Short-term Protective                           |
| 02   | NY           | SENECA ARMY DEPOT   | Statutory       | 08/30/2016            | 2016                   | Protective                                      |
| 02   | NY           | BROOKHAVEN NATIONAL LABORATORY (USDOE)                              | Statutory       | 08/09/2016            | 2016                   | Will be protective                              |
| 03   | MD           | FORT GEORGE G. MEADE  | Statutory       | 09/30/2016            | 2016                   | Protective                                      |
| 03   | MD           | ANDREWS AIR FORCE BASE  | Statutory       | 05/17/2016            | 2016                   | Protectiveness Deferred <sup>c</sup>            |
| 03   | MD           | BRANDYWINE DRMO   | Statutory       | 05/24/2016            | 2016                   | Short-Term Protective <sup>d</sup>              |
| 03   | VA           | NORFOLK NAVAL SHIPYARD  | Statutory       | 08/10/2016            | 2016                   | Short-Term Protective                           |
| 03   | VA           | LANGLEY AIR FORCE BASE/NASA LANGLEY RESEARCH CENTER                 | Statutory       | 09/29/2016            | 2016                   | Will be Protective                              |
| 03   | WV           | WEST VIRGINIA ORDNANCE (USARMY)                                     | Statutory       | 09/23/2016            | 2016                   | Short-Term Protective                           |
| 04   | FL           | JACKSONVILLE NAVAL AIR STATION                                      | Statutory       | 03/01/2016            | 2016                   | Short-Term Protective                           |
| 04   | FL           | WHITING FIELD NAVAL AIR STATION                                     | Statutory       | 09/29/2016            | 2016                   | Protectiveness Deferred                         |
| 04   | GA           | MARINE CORPS LOGISTICS BASE   | Statutory       | 09/26/2016            | 2016                   | Short-Term Protective                           |
| 04   | GA           | ROBINS AIR FORCE BASE (LANDFILL #4/SLUDGE LAGOON)                   | Statutory       | 06/28/2016            | 2016                   | Short-Term Protective                           |
| 04   | SC           | SAVANNAH RIVER SITE (USDOE)   | Statutory       | 10/21/2015            | 2016                   | Short-Term Protective                           |
| 05   | IL           | SANGAMO ELECTRIC DUMP/CRAB ORCHARD NATIONAL WILDLIFE REFUGE (USDOI) | Statutory       | 06/30/2016            | 2016                   | Short-Term Protective                           |
| 05   | OH           | FEED MATERIALS PRODUCTION CENTER (USDOE)                            | Statutory       | 09/09/2016            | 2016                   | Short-Term Protective                           |
| 05   | OH           | MOUND PLANT (USDOE)   | Statutory       | 09/16/2016            | 2016                   | Short-Term Protective                           |
| 05   | OH           | WRIGHT-PATTERSON AIR FORCE BASE                                     | Statutory       | 12/09/2015            | 2016                   | Protectiveness Deferred <sup>b</sup>            |
| 06   | LA           | LOUISIANA ARMY AMMUNITION PLANT                                     | Statutory       | 09/19/2016            | 2016                   | Protective                                      |
| 06   | TX           | LONE STAR ARMY AMMUNITION PLANT                                     | Statutory       | 09/30/2016            | 2016                   | Protectiveness Deferred <sup>c</sup>            |
| 07   | IA           | IOWA ARMY AMMUNITION PLANT  | Statutory       | 03/10/2016            | 2016                   | Short-Term Protective                           |

| Region | State | Site Name  | FYR Type  | Date Completed | Fiscal Year Due | Protectiveness Determination <sup>a</sup> |
|--------|-------|--|-----------|----------------|-----------------|---|
| 07     | MO    | WELDON SPRING QUARRY/PLANT/PITS (USDOE/ARMY)               | Statutory | 09/30/2016     | 2016            | Short-Term Protective <sup>b</sup>        |
| 08     | CO    | ROCKY MOUNTAIN ARSENAL (USARMY)                            | Statutory | 09/28/2016     | 2016            | Protectiveness Deferred <sup>b</sup>      |
| 09     | AZ    | WILLIAMS AIR FORCE BASE                                    | Statutory | 09/30/2016     | 2016            | Protectiveness Deferred <sup>b</sup>      |
| 09     | CA    | ALAMEDA NAVAL AIR STATION                                  | Policy    | 09/29/2016     | 2016            | Protective                                |
| 09     | CA    | EDWARDS AIR FORCE BASE                                     | Statutory | 09/22/2016     | 2016            | Protective                                |
| 09     | CA    | LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE)             | Statutory | 08/10/2016     | 2016            | Protective                                |
| 09     | CA    | CONCORD NAVAL WEAPONS STATION                              | Statutory | 09/21/2016     | 2016            | Short-Term Protective                     |
| 09     | CA    | GEORGE AIR FORCE BASE                                      | Statutory | 09/30/2016     | 2016            | Short-Term Protective                     |
| 09     | CA    | CONCORD NAVAL WEAPONS STATION                              | Statutory | 09/30/2016     | 2016            | Protectiveness Deferred                   |
| 09     | CA    | LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE)             | Statutory | 09/21/2016     | 2016            | Protectiveness Deferred                   |
| 09     | CA    | RIVERBANK ARMY AMMUNITION PLANT                            | Statutory | 09/29/2016     | 2016            | Protectiveness Deferred <sup>b</sup>      |
| 10     | AK    | FORT WAINWRIGHT  | Statutory | 09/29/2016     | 2016            | Protectiveness Deferred <sup>b</sup>      |
| 10     | ID    | IDAHO NATIONAL ENGINEERING LABORATORY (USDOE)              | Statutory | 02/08/2016     | 2016            | Will be Protective                        |
| 10     | WA    | NAVAL UNDERSEA WARFARE ENGINEERING STATION (4 WASTE AREAS) | Statutory | 02/11/2016     | 2016            | Short-Term Protective                     |

<sup>a</sup> Explanations of terms used in this table are included in Attachment 3.

<sup>b</sup> EPA did not concur on the draft FYR report as provided by the federal agency and issued an independent finding of the protectiveness of the remedy.

- Region 5, Wright Patterson Air Force Base, EPA issued an independent finding of protectiveness deferred because additional information is needed to make a final protectiveness determination.
- Region 7, Weldon Spring Quarry/Plant/Pits Site, EPA issued an independent finding of short term protectiveness and in order for the remedy to be protective in the long term, institutional controls need to be in place for the groundwater.
- Region 8, Rocky Mountain Arsenal, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding ecological risks at the site.
- Region 9, Riverbank Army Ammunition Plant, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding offsite contaminated groundwater.
- Region 9, Williams Air Force Base, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding the potential presence of perfluorinated compounds source area.
- Region 10, Ft Wainwright, EPA issued an independent finding of protectiveness deferred because additional information is needed regarding human health exposure through the vapor intrusion and drinking water pathways. The Army needs to collect additional data regarding the potential presence of 1,4 dioxane and the per-and poly fluoroalkyl substances (PFAS) in the groundwater.

<sup>c</sup> EPA did not receive a FYR report and issued an independent finding of the protectiveness of the remedy.

- Region 3, Andrews Air Force Base, EPA issued an independent finding of protectiveness deferred because there was not enough information to determine the protectiveness of the remedies.

- Region 6, Lone Star Army Ammunition Site, EPA issued an independent finding of protectiveness deferred because additional information is needed on the institutional controls and the restoration of the groundwater.

<sup>d</sup>Region 3, Brandywine DRMO Yard, EPA received a draft report from the Air Force. Because the report was not finalized by the statutory due date, EPA issued an independent finding of short term protectiveness which concurred with the Air Force's determination of protectiveness.

| <b>Federal Facility FYRs Not Yet Complete</b> |              |                                       |                 |                        |
|---|--------------|---------------------------------------|-----------------|------------------------|
| <b>Region</b>                                 | <b>State</b> | <b>Site Name</b>                      | <b>FYR Type</b> | <b>Fiscal Year Due</b> |
| 10  | ID           | MOUNTAIN HOME AIR FORCE BASE          | Policy          | 2016                   |
| 10  | OR           | UMATILLA ARMY DEPOT (LAGOONS)         | Statutory       | 2015                   |
| 10  | WA           | BANGOR NAVAL SUBMARINE BASE           | Statutory       | 2016                   |
| 10  | WA           | BANGOR ORDNANCE DISPOSAL (USNAVY)     | Policy          | 2016                   |
| 10  | WA           | JACKSON PARK HOUSING COMPLEX (USNAVY) | Statutory       | 2016                   |



### Attachment 3

#### FY 2016 Superfund Five-Year Review Report to Congress Explanation of Terms Used in Attachments 1 and 2

For all sites that require a five-year review, a separate protectiveness determination is generally made for each portion or operable unit (OU) of the site. The determination that is considered "least protective" is used as the general determination for the review in this report. For example, if one operable unit is protective but another operable unit has protectiveness deferred, the determination for the entire review will be protectiveness deferred.

**Protective:** The remedy is protective of human health and the environment in the short- and long-term.

**Short-Term Protective:** The remedy is protective of human health and the environment in the short-term. This statement is generally used when the remedy is currently protective but requires further actions or institutional controls to remain protective in the long-term.

**Will Be Protective:** The remedy is expected to be protective of human health and the environment upon completion, and in the interim, exposure pathways that could result in unacceptable risks are being controlled. This statement is generally used for remedies that are under construction.

**Protectiveness Deferred:** The determination cannot be made until further information is obtained. Generally, reviews that include this determination identify both the actions and timeframe necessary to obtain the information, so that a protectiveness determination can be made through a future addendum to the five-year review report.

**Not Protective:** The remedy is not protective of human health and/or the environment. For example, a new exposure pathway may be identified or a remedy may not be able to meet a new cleanup level. Generally, reviews that include this determination identify actions that need to be taken to ensure protectiveness.