



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

July 20, 2020

THE ADMINISTRATOR

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 2019 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 Joseph Brazauskas, Associate Administrator for Congressional and Intergovernmental Relations at [Brazaukas.Joseph@epa.gov](mailto:Brazaukas.Joseph@epa.gov) or (202) 564-5189.

Respectfully yours,

A handwritten signature in black ink that reads "Andrew Wheeler". The signature is fluid and cursive, with a long horizontal line extending to the right.

Andrew Wheeler

Enclosure



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

July 20, 2020

THE ADMINISTRATOR

The Honorable Nancy Pelosi  
Speaker of the House  
U.S. House of Representatives  
Washington, D.C. 20515

Dear Madam Speaker:

I am pleased to submit the enclosed report entitled, "FY 2019 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 Joseph Brazauskas, Associate Administrator for Congressional and Intergovernmental Relations at [Brazaukas.Joseph@epa.gov](mailto:Brazaukas.Joseph@epa.gov) or (202) 564-5189.

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Andrew Wheeler

Enclosure

## FISCAL YEAR 2019 REPORT TO CONGRESS SUPERFUND FIVE-YEAR REVIEWS

### PURPOSE:

Consistent with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) section 121(c), Executive Order 12580 and the National Oil and Hazardous Substances Pollution 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. The EPA is also responsible for preparing a report to Congress on these reviews each fiscal year.

### BACKGROUND:

Section 121(c) of 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 the EPA to report to Congress information regarding sites for which the reviews are required. This report fulfills that requirement by providing a site list, information about sites requiring additional work 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) 2019, or other fiscal years, completed in FY 2019;
- Non-federal facility reviews due in FY 2019 or prior fiscal years, pending completion; and
- Federal facility reviews due in FY 2019 or other fiscal years, completed in FY 2019.

For non-federal facility sites, a total of 212 five-year reviews were due in FY 2019. Of the reviews due in FY 2019, 206 are complete, while six remain pending completion. Another six reviews due in other fiscal years were also completed in FY 2019, bringing the total number of non-federal site five-year reviews completed in FY 2019 to **212** (Table 1).

For federal facility NPL sites, a total of 41 sites required five-year reviews in FY 2019. Of the reviews due in FY 2019, all 41 are complete. Four additional reviews due in prior fiscal years were completed, bringing the total number of federal facility NPL site five-year reviews completed in FY 2019 to **45** (Table 1).

In all, the total number of five-year reviews completed in FY 2019 for both non-federal facility and federal facility NPL sites was **257**. Based on the reviews, the EPA has determined that remedies for four sites (or portions of the four sites) were “not protective” and that remedies for 28 sites were “protectiveness deferred” (Table 2). The EPA tracks recommendations to do additional work or study for each of these sites in the Superfund Enterprise Management System (SEMS) and, semiannually, the EPA headquarters monitors the progress in implementing these recommendations to resolve protectiveness-related issues at all sites.

**Table 1: Five-Year Review Completion Status**

<b>Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2019</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 FY19</b>	<b>212</b>	<b>41</b>	<b>253</b>
<b>Total FYRs Completed in FY19</b>	<b>212</b>	<b>45</b>	<b>257</b>
FYRs Due in FY19, Completed in FY19	206	41	247
FYRs Due in other FYs, Completed in FY19	6	4	10
<b>Total FYRs Pending Completion at the end of FY19</b>	<b>6</b>	<b>0</b>	<b>6</b>
FYRs Due in FY19, Pending Completion	6	0	6
FYRs Due in other FYs, Pending Completion	0	0	0

**Table 2: Five-Year Review Protectiveness Determination**

<b>Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2019</b>			
<b>Protectiveness Determination</b>	<b>Number of FYRs</b>		
	<b>Non-FF</b>	<b>FF</b>	<b>Total</b>
Protective	67	7	74
Short-Term Protective	119	18	137
Will Be Protective	8	6	14
Protectiveness Deferred	15	13	28
Not Protective	3	1	4
<b>Total</b>	<b>212</b>	<b>45</b>	<b>257</b>

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 reviews contain detailed information regarding the effectiveness of the site remedy and assessments of whether human and/or ecological exposures are occurring, along with the official protectiveness determination resulting from the review. The attachments to this report contain additional details on the five-year reviews summarized in this report, 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.

Attachments (3)

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<sup>1</sup> As further discussed in the 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 EPA signed the site's record of decision on or after October 17, 1986, (effective date of the Superfund Amendments and Reauthorization Act – SARA) and the remedial action was selected under the Comprehensive Environmental Response Compensation and Liability Act §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 National Priority List 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 remedy's protectiveness.

## Attachment 1

### FY 2019 Superfund Five-Year Review Report to Congress FYRs at Non-Federal Facility Sites

#### Non-Federal Facility FYRs Completed in FY19

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination <sup>a</sup>
01	CT	LINEMASTER SWITCH CORP.	Statutory	09/24/2019	2019	Short-Term Protective
01	MA	BAIRD & MCGUIRE	Statutory	07/29/2019	2019	Short-Term Protective
01	MA	HATHEWAY & PATTERSON	Statutory	09/05/2019	2019	Protective
01	MA	HOCOMONCO POND	Policy	09/19/2019	2019	Short-Term Protective
01	MA	INDUSTRI-PLEX	Statutory	05/23/2019	2019	Short-Term Protective
01	MA	NYANZA CHEMICAL WASTE DUMP	Statutory	05/21/2019	2019	Short-Term Protective
01	MA	ROSE DISPOSAL PIT	Statutory	09/17/2019	2019	Protective
01	MA	SILRESIM CHEMICAL CORP.	Statutory	09/25/2019	2019	Short-Term Protective
01	MA	SUTTON BROOK DISPOSAL AREA	Statutory	05/21/2019	2019	Short-Term Protective
01	MA	W.R. GRACE & CO., INC. (ACTON PLANT)	Statutory	06/17/2019	2019	Short-Term Protective
01	MA	WELLS G&H	Statutory	05/30/2019	2019	Short-Term Protective
01	ME	SACO TANNERY WASTE PITS	Statutory	07/30/2019	2019	Short-Term Protective
01	NH	OTTATI & GOSS/KINGSTON STEEL DRUM	Statutory	09/11/2019	2019	Short-Term Protective
01	NH	SYLVESTER	Policy	08/28/2019	2019	Short-Term Protective
01	NH	TINKHAM GARAGE	Policy	09/30/2019	2019	Short-Term Protective
01	RI	LANDFILL & RESOURCE RECOVERY, INC. (L&RR)	Statutory	09/06/2019	2019	Short-Term Protective
01	VT	BENNINGTON MUNICIPAL SANITARY LANDFILL	Policy	09/10/2019	2019	Protective
01	VT	BFI SANITARY LANDFILL (ROCKINGHAM)	Statutory	09/30/2019	2019	Short-Term Protective
01	VT	ELIZABETH MINE	Statutory	09/24/2019	2019	Short-Term Protective
01	VT	PARKER SANITARY LANDFILL	Statutory	07/31/2019	2019	Short-Term Protective
01	VT	POWNAI TANNERY	Statutory	09/30/2019	2019	Short-Term Protective
01	VT	TANSITOR ELECTRONICS, INC.	Statutory	09/19/2019	2019	Protective
02	NJ	AMERICAN CYANAMID CO	Statutory	09/11/2019	2019	Will be Protective
02	NJ	BROOK INDUSTRIAL PARK	Statutory	06/18/2019	2019	Short-Term Protective
02	NJ	CHEMICAL CONTROL	Statutory	09/18/2019	2019	Protective
02	NJ	CHEMICAL INSECTICIDE CORP.	Statutory	07/30/2019	2019	Protective
02	NJ	CINNAMINSON TOWNSHIP (BLOCK 702) GROUND WATER CONTAMINATION	Statutory	08/13/2019	2019	Protective
02	NJ	COMBE FILL NORTH LANDFILL	Statutory	09/30/2019	2019	Protectiveness Deferred
02	NJ	D'IMPERIO PROPERTY	Policy	08/30/2019	2019	Protective
02	NJ	EWAN PROPERTY	Policy	06/26/2019	2019	Protective
02	NJ	FLORENCE LAND RECONTOURING, INC., LANDFILL	Statutory	09/25/2019	2019	Short-Term Protective
02	NJ	GARDEN STATE CLEANERS CO.	Policy	09/25/2019	2019	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination <sup>a</sup>
02	NJ	GEMS LANDFILL	Policy	07/17/2019	2019	Short-Term Protective
02	NJ	ICELAND COIN LAUNDRY AREA GW PLUME	Policy	05/09/2019	2019	Protective
02	NJ	KIN-BUC LANDFILL	Statutory	04/03/2019	2019	Protective
02	NJ	LONE PINE LANDFILL	Statutory	06/25/2019	2019	Protective
02	NJ	MAYWOOD CHEMICAL CO.	Statutory	08/13/2019	2019	Will be Protective
02	NJ	METALTEC/AEROSYSTEMS	Policy	09/27/2019	2019	Protective
02	NJ	NASCOLITE CORP.	Statutory	09/25/2019	2019	Short-Term Protective
02	NJ	ROEBLING STEEL CO.	Statutory	04/03/2019	2019	Will be Protective
02	NJ	SHARKEY LANDFILL	Statutory	09/30/2019	2019	Short-Term Protective
02	NJ	SOUTH JERSEY CLOTHING CO.	Policy	09/25/2019	2019	Short-Term Protective
02	NJ	WOODLAND ROUTE 532 DUMP	Policy	06/19/2019	2019	Protective
02	NJ	WOODLAND ROUTE 72 DUMP	Policy	06/19/2019	2019	Protective
02	NY	AMERICAN THERMOSTAT CO.	Policy	06/26/2019	2019	Protectiveness Deferred
02	NY	CLAREMONT POLYCHEMICAL	Statutory	08/28/2019	2019	Short-Term Protective
02	NY	CONSOLIDATED IRON AND METAL	Statutory	02/21/2019	2019	Protective
02	NY	CROWN CLEANERS OF WATERTOWN INC.	Statutory	08/22/2019	2019	Short-Term Protective
02	NY	DUPONT /NECCO PARK	Statutory	05/09/2019	2019	Protective
02	NY	HOOKER (S AREA)	Statutory	09/24/2019	2019	Short-Term Protective
02	NY	HUDSON RIVER PCBS	Statutory	04/11/2019	2017	Protectiveness Deferred
02	NY	LOVE CANAL	Policy	04/11/2019	2019	Protective
02	NY	LUDLOW SAND & GRAVEL	Statutory	07/31/2019	2019	Protective
02	NY	MALTA ROCKET FUEL AREA	Statutory	05/01/2019	2019	Short-Term Protective
02	NY	MERCURY REFINING, INC.	Statutory	02/13/2019	2019	Short-Term Protective
02	NY	MOHONK ROAD INDUSTRIAL PLANT	Policy	05/29/2019	2019	Protective
02	NY	NIAGARA COUNTY REFUSE	Statutory	07/18/2019	2019	Protective
02	NY	POLLUTION ABATEMENT SERVICES	Statutory	02/13/2019	2019	Protective
02	NY	PORT WASHINGTON LANDFILL	Statutory	08/28/2019	2019	Protective
02	NY	STANTON CLEANERS AREA GROUND WATER CONTAMINATION	Policy	09/16/2019	2019	Protective
02	PR	FIBERS PUBLIC SUPPLY WELLS	Policy	08/22/2019	2019	Short-Term Protective
02	PR	JUNCOS LANDFILL	Statutory	09/19/2019	2019	Short-Term Protective
02	PR	VEGA ALTA PUBLIC SUPPLY WELLS	Policy	09/23/2019	2019	Protective
02	VI	TUTU WELLFIELD	Policy	09/16/2019	2019	Protectiveness Deferred
03	DE	ARMY CREEK LANDFILL	Statutory	09/05/2019	2019	Short-Term Protective
03	DE	COKER'S SANITATION SERVICE LANDFILLS	Statutory	05/09/2019	2019	Protective
03	DE	DELAWARE CITY PVC PLANT	Policy	08/28/2019	2019	Short-Term Protective
03	DE	DOVER GAS LIGHT CO.	Statutory	07/10/2019	2019	Protective
03	PA	ALADDIN PLATING	Statutory	07/24/2019	2019	Protective
03	PA	BRESLUBE-PENN, INC.	Statutory	04/22/2019	2019	Protectiveness Deferred
03	PA	BRODHEAD CREEK	Statutory	04/30/2019	2019	Short-Term Protective
03	PA	BRUIN LAGOON	Policy	09/09/2019	2019	Short-Term Protective
03	PA	BUTLER MINE TUNNEL	Statutory	06/26/2019	2019	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination <sup>a</sup>
03	PA	CENTRE COUNTY KEPONE	Statutory	08/29/2019	2019	Protective
03	PA	CRAIG FARM DRUM	Statutory	03/22/2019	2019	Protective
03	PA	CROSSLEY FARM	Statutory	09/05/2019	2019	Will be Protective
03	PA	DOUGLASSVILLE DISPOSAL	Statutory	03/27/2019	2019	Short-Term Protective
03	PA	FISCHER & PORTER CO.	Policy	07/24/2019	2019	Protective
03	PA	FOOTE MINERAL CO.	Statutory	09/20/2019	2019	Protective
03	PA	HENDERSON ROAD	Statutory	12/13/2018	2019	Short-Term Protective
03	PA	KIMBERTON	Statutory	04/25/2019	2019	Protective
03	PA	LACKAWANNA REFUSE	Policy	09/09/2019	2019	Protective
03	PA	LORD-SHOPE LANDFILL	Statutory	09/05/2019	2019	Short-Term Protective
03	PA	RAYMARK	Statutory	09/12/2019	2019	Short-Term Protective
03	PA	RIVER ROAD LANDFILL (WASTE MANAGEMENT, INC.)	Statutory	08/29/2019	2019	Short-Term Protective
03	PA	STANLEY KESSLER	Policy	07/31/2019	2019	Short-Term Protective
03	PA	TYSONS DUMP	Statutory	08/12/2019	2019	Short-Term Protective
03	PA	WADE (ABM)	Policy	12/11/2018	2019	Protective
04	AL	AMERICAN BRASS INC.	Statutory	09/30/2019	2019	Short-Term Protective
04	FL	CITY INDUSTRIES, INC.	Policy	07/01/2019	2019	Short-Term Protective
04	FL	COLEMAN-EVANS WOOD PRESERVING CO.	Statutory	07/03/2019	2019	Protective
04	FL	HARRIS CORP. (PALM BAY PLANT)	Policy	04/18/2019	2019	Short-Term Protective
04	FL	KASSAUF-KIMERLING BATTERY DISPOSAL	Statutory	09/10/2019	2019	Short-Term Protective
04	FL	NOCATEE HULL CREOSOTE	Statutory	08/15/2019	2019	Short-Term Protective
04	FL	PIPER AIRCRAFT CORP./VERO BEACH WATER & SEWER DEPARTMENT	Statutory	08/08/2019	2019	Protective
04	FL	SIXTY-SECOND STREET DUMP	Statutory	09/10/2019	2019	Short-Term Protective
04	FL	SOLITRON MICROWAVE	Statutory	07/01/2019	2019	Protective
04	FL	UNITED METALS, INC.	Statutory	09/10/2019	2020	Protective
04	FL	WHITEHOUSE OIL PITS	Statutory	05/07/2019	2019	Protective
04	GA	WOOLFOLK CHEMICAL WORKS, INC.	Statutory	09/30/2019	2019	Not Protective
04	KY	AIRCO	Statutory	09/12/2019	2019	Short-Term Protective
04	KY	B.F. GOODRICH	Statutory	09/12/2019	2019	Short-Term Protective
04	MS	SONFORD PRODUCTS	Statutory	12/19/2018	2017	Will be Protective
04	NC	GENERAL ELECTRIC CO/SHEPHERD FARM	Statutory	09/30/2019	2019	Short-Term Protective
04	NC	NORTH BELMONT PCE	Policy	09/30/2019	2019	Protectiveness Deferred
04	SC	CALHOUN PARK AREA	Statutory	08/15/2019	2019	Short-Term Protective
04	SC	GEIGER (C & M OIL)	Statutory	09/30/2019	2019	Protective
04	SC	HELENA CHEMICAL CO. LANDFILL	Statutory	09/30/2019	2019	Protectiveness Deferred
04	SC	LYMAN DYEING AND FINISHING	Statutory	09/30/2019	2019	Protective
04	SC	MEDLEY FARM DRUM DUMP	Statutory	08/15/2019	2019	Short-Term Protective
04	SC	WAMCHEM, INC.	Policy	09/17/2019	2019	Protectiveness Deferred
04	TN	AMERICAN CREOSOTE WORKS, INC. (JACKSON PLANT)	Statutory	08/06/2019	2019	Short-Term Protective



Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination <sup>a</sup>
04	TN	ROSS METALS INC.	Statutory	09/10/2019	2019	Protective
05	IL	ALCOA PROPERTIES	Statutory	03/26/2019	2019	Short-Term Protective
05	IL	CENTRAL ILLINOIS PUBLIC SERVICE CO.	Statutory	06/24/2019	2019	Short-Term Protective
05	IL	ILADA ENERGY CO.	Statutory	08/28/2019	2019	Short-Term Protective
05	IL	JENNISON-WRIGHT CORPORATION	Statutory	09/30/2019	2019	Short-Term Protective
05	IL	LASALLE ELECTRIC UTILITIES	Statutory	08/20/2019	2019	Short-Term Protective
05	IL	LENZ OIL SERVICE, INC.	Statutory	04/18/2019	2019	Short-Term Protective
05	IL	NL INDUSTRIES/TARACORP LEAD SMELTER	Statutory	04/15/2019	2019	Short-Term Protective
05	IL	TRI-COUNTY LANDFILL CO./WASTE MANAGEMENT OF ILLINOIS, INC.	Statutory	09/11/2019	2019	Short-Term Protective
05	IN	CONRAIL RAIL YARD (ELKHART)	Statutory	07/19/2019	2019	Short-Term Protective
05	IN	FORT WAYNE REDUCTION DUMP	Statutory	08/13/2019	2019	Protective
05	IN	INTERNATIONAL MINERALS (E. PLANT)	Statutory	12/20/2018	2019	Short-Term Protective
05	IN	MIDCO I	Statutory	09/12/2019	2019	Short-Term Protective
05	IN	NORTHSIDE SANITARY LANDFILL, INC	Statutory	04/18/2019	2019	Short-Term Protective
05	IN	WAYNE WASTE OIL	Statutory	01/29/2019	2019	Short-Term Protective
05	MI	BENDIX CORP./ALLIED AUTOMOTIVE	Statutory	08/20/2019	2019	Short-Term Protective
05	MI	BUTTERWORTH #2 LANDFILL	Statutory	09/30/2019	2019	Short-Term Protective
05	MI	CANNELTON INDUSTRIES, INC.	Statutory	09/12/2019	2019	Short-Term Protective
05	MI	FOLKERTSMA REFUSE	Statutory	11/15/2018	2019	Short-Term Protective
05	MI	H. BROWN CO., INC.	Statutory	09/18/2019	2019	Short-Term Protective
05	MI	HEDBLUM INDUSTRIES	Policy	09/30/2019	2019	Short-Term Protective
05	MI	LIQUID DISPOSAL, INC.	Statutory	09/12/2019	2018	Short-Term Protective
05	MI	METAMORA LANDFILL	Statutory	09/18/2019	2019	Short-Term Protective
05	MI	NORTH BRONSON INDUSTRIAL SUBAREAS	Statutory	09/30/2019	2019	Short-Term Protective
05	MI	ORGANIC CHEMICALS, INC.	Statutory	09/30/2019	2019	Short-Term Protective
05	MI	PARSONS CHEMICAL WORKS, INC.	Statutory	09/30/2019	2019	Short-Term Protective
05	MI	SHIAWASSEE RIVER	Statutory	08/22/2019	2019	Not Protective
05	MI	SPRINGFIELD TOWNSHIP DUMP	Statutory	08/13/2019	2019	Short-Term Protective
05	MI	TAR LAKE	Statutory	08/26/2019	2019	Short-Term Protective
05	MN	DAKHUE SANITARY LANDFILL	Statutory	01/29/2019	2019	Short-Term Protective
05	MN	FMC CORP. (FRIDLEY PLANT)	Statutory	09/16/2019	2019	Protectiveness Deferred
05	MN	OAKDALE DUMP	Policy	09/18/2019	2019	Short-Term Protective
05	MN	SOUTH MINNEAPOLIS RESIDENTIAL SOIL CONTAMINATION	Statutory	05/15/2019	2019	Short-Term Protective
05	OH	ALLIED CHEMICAL & IRONTON COKE	Statutory	09/10/2019	2019	Short-Term Protective
05	OH	BIG D CAMPGROUND	Statutory	09/30/2019	2019	Short-Term Protective
05	OH	COSHOCTON LANDFILL	Statutory	11/21/2018	2019	Short-Term Protective

<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>
05	OH	FIELDS BROOK	Statutory	06/25/2019	2019	Short-Term Protective
05	OH	LASKIN/POPLAR OIL CO.	Statutory	06/03/2019	2019	Short-Term Protective
05	OH	SKINNER LANDFILL	Statutory	03/27/2019	2019	Will be Protective
05	OH	VAN DALE JUNKYARD	Statutory	02/22/2019	2019	Protectiveness Deferred
05	WI	ALGOMA MUNICIPAL LANDFILL	Statutory	04/11/2019	2019	Protective
05	WI	ASHLAND/NORTHERN STATES POWER LAKEFRONT	Statutory	08/12/2019	2019	Will be Protective
05	WI	HECHIMOVICH SANITARY LANDFILL	Statutory	06/10/2019	2019	Short-Term Protective
05	WI	MID-STATE DISPOSAL, INC. LANDFILL	Statutory	07/23/2019	2019	Protective
05	WI	MUSKEGO SANITARY LANDFILL	Statutory	07/10/2019	2019	Short-Term Protective
05	WI	SCRAP PROCESSING CO., INC.	Statutory	06/14/2019	2019	Protective
06	AR	SOUTH 8TH STREET LANDFILL	Statutory	08/27/2019	2019	Protective
06	AR	VERTAC, INC.	Statutory	03/04/2019	2019	Protectiveness Deferred
06	LA	CENTRAL WOOD PRESERVING CO.	Statutory	03/13/2019	2019	Protective
06	LA	MADISONVILLE CREOSOTE WORKS	Statutory	04/02/2019	2019	Protective
06	NM	GRANTS CHLORINATED SOLVENTS	Statutory	05/13/2019	2018	Protective
06	OK	MOSLEY ROAD SANITARY LANDFILL	Statutory	08/12/2019	2019	Protective
06	OK	TULSA FUEL AND MANUFACTURING	Statutory	08/29/2019	2019	Protective
06	TX	GARLAND CREOSOTING	Statutory	09/24/2019	2019	Short-Term Protective
06	TX	MALONE SERVICE CO - SWAN LAKE PLANT	Statutory	09/09/2019	2019	Short-Term Protective
06	TX	PESES CHEMICAL CO.	Statutory	05/01/2019	2019	Protective
06	TX	STATE ROAD 114 GROUNDWATER PLUME	Statutory	09/26/2019	2019	Short-Term Protective
07	IA	CHEMPLEX CO.	Statutory	05/24/2019	2019	Protective
07	IA	MCGRAW EDISON	Policy	07/16/2019	2019	Short-Term Protective
07	IA	VOGEL PAINT & WAX CO.	Statutory	09/10/2019	2019	Short-Term Protective
07	IA	WHITE FARM EQUIPMENT CO. DUMP	Statutory	02/28/2019	2019	Protective
07	KS	57TH AND NORTH BROADWAY STREETS SITE	Statutory	08/27/2019	2019	Short-Term Protective
07	KS	PESTER REFINERY CO.	Statutory	05/15/2019	2019	Short-Term Protective
07	MO	BEE CEE MANUFACTURING CO.	Statutory	06/18/2019	2019	Short-Term Protective
07	MO	LEE CHEMICAL	Statutory	07/29/2019	2019	Short-Term Protective
07	MO	MISSOURI ELECTRIC WORKS	Statutory	07/24/2019	2019	Protective
07	MO	NEWTON COUNTY WELLS	Policy	04/04/2019	2019	Short-Term Protective
07	MO	QUALITY PLATING	Statutory	09/03/2019	2019	Short-Term Protective
07	MO	WHEELING DISPOSAL SERVICE CO., INC., LANDFILL	Statutory	05/23/2019	2019	Protective
07	NE	GARVEY ELEVATOR	Statutory	09/25/2019	2019	Short-Term Protective
07	NE	NEBRASKA ORDNANCE PLANT (FORMER)	Statutory	06/28/2019	2019	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination <sup>a</sup>
07	NE	OMAHA LEAD	Statutory	08/26/2019	2019	Protectiveness Deferred
08	CO	VASQUEZ BOULEVARD AND I-70	Statutory	09/25/2019	2019	Protective
08	MT	UPPER TENMILE CREEK MINING AREA	Statutory	08/19/2019	2022	Protectiveness Deferred
08	UT	KENNECOTT (NORTH ZONE)	Discretionary	08/19/2019	2019	Protectiveness Deferred
08	UT	MIDVALE SLAG	Statutory	04/08/2019	2019	Protective
08	UT	MURRAY SMELTER	Statutory	08/14/2019	2019	Short-Term Protective
08	UT	PALLAS YARD	Discretionary	09/30/2019	2019	Protective
08	UT	SHARON STEEL CORP. (MIDVALE TAILINGS)	Statutory	08/28/2019	2019	Protective
08	WY	MYSTERY BRIDGE RD/U.S. HIGHWAY 20	Statutory	07/18/2019	2019	Protective
09	CA	ADVANCED MICRO DEVICES, INC.	Policy	09/18/2019	2019	Short-Term Protective
09	CA	ADVANCED MICRO DEVICES, INC. (BUILDING 915)	Statutory	09/18/2019	2019	Short-Term Protective
09	CA	FAIRCHILD SEMICONDUCTOR CORP. (MOUNTAIN VIEW PLANT)	Statutory	09/30/2019	2019	Short-Term Protective
09	CA	FAIRCHILD SEMICONDUCTOR CORP. (SOUTH SAN JOSE PLANT)	Statutory	09/12/2019	2019	Short-Term Protective
09	CA	INDUSTRIAL WASTE PROCESSING	Statutory	09/19/2019	2019	Not Protective
09	CA	INTEL CORP. (MOUNTAIN VIEW PLANT)	Statutory	09/30/2019	2019	Short-Term Protective
09	CA	MONTROSE CHEMICAL CORP.	Statutory	09/11/2019	2019	Short-Term Protective
09	CA	RAYTHEON CORP.	Statutory	09/30/2019	2019	Short-Term Protective
09	CA	SPECTRA-PHYSICS, INC.	Statutory	09/04/2019	2019	Short-Term Protective
09	CA	TELEDYNE SEMICONDUCTOR	Statutory	09/04/2019	2019	Short-Term Protective
09	CA	TRW MICROWAVE, INC (BUILDING 825)	Statutory	09/18/2019	2019	Short-Term Protective
09	CA	VALLEY WOOD PRESERVING, INC.	Statutory	09/18/2019	2019	Short-Term Protective
09	CA	WASTE DISPOSAL, INC.	Statutory	09/12/2019	2019	Protective
10	AK	ARCTIC SURPLUS	Statutory	12/11/2018	2019	Protective
10	ID	ST. MARIES CREOSOTE	Statutory	07/23/2019	2019	Protectiveness Deferred
10	OR	JOSEPH FOREST PRODUCTS	Statutory	09/24/2019	2019	Short-Term Protective
10	WA	AMERICAN CROSSARM & CONDUIT CO.	Statutory	09/17/2019	2019	Short-Term Protective
10	WA	COLBERT LANDFILL	Statutory	09/26/2019	2019	Short-Term Protective
10	WA	MIDNITE MINE	Statutory	04/15/2019	2019	Will be Protective
10	WA	PACIFIC SOUND RESOURCES	Statutory	09/24/2019	2019	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>
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<b>Region</b>	<b>State</b>	<b>Site Name</b>	<b>FYR Type</b>	<b>Fiscal Year Due</b>
05	OH	BUCKEYE RECLAMATION	Statutory	2019
05	WI	FOX RIVER NRDA/PCB RELEASES	Statutory	2019
05	MI	K&L AVENUE LANDFILL	Statutory	2019
05	IN	MIDCO II	Statutory	2019
05	WI	SHEBOYGAN HARBOR & RIVER	Statutory	2019
05	IL	WOODSTOCK MUNICIPAL LANDFILL	Statutory	2019

## Attachment 2

### FY 2019 Superfund Five-Year Review Report to Congress FYRs at Federal Facility Sites

#### Federal Facility FYRs Completed in FY19

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination <sup>a</sup>
01	MA	NAVAL WEAPONS INDUSTRIAL RESERVE PLANT	Statutory	09/25/2019	2019	Short-Term Protective
01	NH	PEASE AIR FORCE BASE	Statutory	09/25/2019	2019	Short-Term Protective
01	MA	SOUTH WEYMOUTH NAVAL AIR STATION	Statutory	07/11/2019	2019	Will be Protective
02	NJ	FEDERAL AVIATION ADMINISTRATION TECHNICAL CENTER (USDOT)	Statutory	09/11/2019	2019	Will be Protective
03	MD	ABERDEEN PROVING GROUND (EDGEWOOD AREA)	Statutory	12/11/2018	2019	Protectiveness Deferred <sup>c</sup>
03	MD	ABERDEEN PROVING GROUND (MICHAELSVILLE LANDFILL)	Statutory	07/31/2019	2019	Short-Term Protective
03	MD	CURTIS BAY COAST GUARD YARD	Statutory	06/26/2019	2019	Short-Term Protective
03	DE	DOVER AIR FORCE BASE	Statutory	10/15/2018	2019	Protectiveness Deferred <sup>b</sup>
03	MD	FORT DETRICK AREA B GROUND WATER	Statutory	06/25/2019	2019	Protectiveness Deferred <sup>c</sup>
03	VA	NAVAL AMPHIBIOUS BASE LITTLE CREEK	Statutory	03/25/2019	2019	Short-Term Protective
03	VA	NAVAL SURFACE WARFARE CENTER - DAHLGREN	Statutory	12/20/2018	2019	Protective
03	PA	NAVY SHIPS PARTS CONTROL CENTER	Statutory	02/07/2019	2019	Protective
03	VA	NORFOLK NAVAL BASE (SEWELLS POINT NAVAL COMPLEX)	Statutory	04/04/2019	2019	Short-Term Protective
03	MD	PATUXENT RIVER NAVAL AIR STATION	Statutory	04/23/2019	2019	Short-Term Protective
04	KY	PADUCAH GASEOUS DIFFUSION PLANT (USDOE)	Statutory	09/30/2019	2019	Protectiveness Deferred <sup>b</sup>
04	SC	SAVANNAH RIVER SITE (USDOE)	Statutory	11/05/2018	2019	Short-Term Protective
04	SC	SAVANNAH RIVER SITE (USDOE)	Statutory	09/24/2019	2019	Protective
05	IL	JOLIET ARMY AMMUNITION PLANT (LOAD-ASSEMBLY-PACKING AREA)	Statutory	09/13/2019	2019	Protectiveness Deferred <sup>c</sup>
05	IL	JOLIET ARMY AMMUNITION PLANT (MANUFACTURING AREA)	Statutory	09/13/2019	2019	Protectiveness Deferred <sup>c</sup>
05	MN	NAVAL INDUSTRIAL RESERVE ORDNANCE PLANT	Statutory	11/07/2018	2019	Protective <sup>b</sup>
05	MN	NEW BRIGHTON/ARDEN HILLS/TCAAP (USARMY)	Statutory	08/19/2019	2019	Short-Term Protective
06	TX	AIR FORCE PLANT #4 (GENERAL DYNAMICS)	Statutory	09/19/2019	2019	Short-Term Protective
06	TX	LONGHORN ARMY AMMUNITION PLANT	Statutory	09/23/2019	2019	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination <sup>a</sup>
07	IA	IOWA ARMY AMMUNITION PLANT	Statutory	03/25/2019	2019	Will be Protective
08	UT	HILL AIR FORCE BASE	Statutory	04/03/2019	2019	Protectiveness Deferred <sup>c</sup>
09	GU	ANDERSEN AIR FORCE BASE	Statutory	09/24/2019	2019	Protectiveness Deferred <sup>c</sup>
09	CA	CAMP PENDLETON MARINE CORPS BASE	Policy	07/03/2019	2019	Will be Protective
09	CA	CASTLE AIR FORCE BASE (6 AREAS)	Statutory	03/21/2019	2019	Short-Term Protective
09	CA	EDWARDS AIR FORCE BASE	Statutory	09/18/2019	2019	Protective
09	CA	EL TORO MARINE CORPS AIR STATION	Statutory	09/27/2019	2019	Short-Term Protective
09	CA	HUNTERS POINT NAVAL SHIPYARD	Statutory	09/27/2019	2019	Will be Protective
09	CA	LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE)	Statutory	09/03/2019	2019	Protectiveness Deferred <sup>c</sup>
09	CA	MARCH AIR FORCE BASE	Statutory	08/22/2019	2019	Protectiveness Deferred
09	CA	MCCLELLAN AIR FORCE BASE (GROUND WATER CONTAMINATION)	Statutory	09/27/2019	2019	Protectiveness Deferred
09	HI	PEARL HARBOR NAVAL COMPLEX	Statutory	09/24/2019	2019	Will be Protective
09	CA	SHARPE ARMY DEPOT	Statutory	09/30/2019	2019	Short-Term Protective
10	WA	BANGOR NAVAL SUBMARINE BASE	Statutory	09/30/2019	2016	Protectiveness Deferred <sup>c</sup>
10	WA	BANGOR ORDNANCE DISPOSAL (USNAVY)	Policy	09/30/2019	2016	Protectiveness Deferred <sup>c</sup>
10	WA	BONNEVILLE POWER ADMINISTRATION ROSS COMPLEX (USDOE)	Statutory	03/21/2019	2019	Protective
10	AK	ELMENDORF AIR FORCE BASE	Statutory	03/13/2019	2019	Short-Term Protective
10	WA	JACKSON PARK HOUSING COMPLEX (USNAVY)	Statutory	09/30/2019	2016	Not Protective <sup>c</sup>
10	WA	NAVAL AIR STATION, WHIDBEY ISLAND (AULT FIELD)	Statutory	09/23/2019	2019	Short-Term Protective
10	WA	NAVAL AIR STATION, WHIDBEY ISLAND (SEAPLANE BASE)	Statutory	09/23/2019	2019	Protective
10	WA	OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)	Statutory	09/19/2019	2019	Short-Term Protective
10	OR	UMATILLA ARMY DEPOT (LAGOONS)	Statutory	09/30/2019	2015	Short-Term Protective <sup>b</sup>

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

<sup>b</sup> The EPA did not receive a final report by the statutory due date but concurred on the protectiveness determination made by the federal agency in the draft FYR report.

- Region 3, Dover Air Force Base, the EPA concurred with the Air Force's protectiveness determination of "protectiveness deferred."
- Region 4, Paducah Gaseous Diffusion Plant (USDOE), the EPA concurred with the Department of Energy's protectiveness determination of "protectiveness deferred."
- Region 5, Naval Industrial Reserve Ordnance Plant, the EPA concurred with the Army's protectiveness determination of "protective."

- Region 10, Umatilla Army Depot (Lagoons), the EPA concurred with the Army’s protectiveness determination of “short-term protective”.

° The 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 3, Aberdeen Proving Ground (Edgewood Area), the EPA issued an independent finding of “protectiveness deferred” due to the late submission of the report by the Army.
- Region 3, Fort Detrick Area B Groundwater, the EPA issued an independent finding of “protectiveness deferred” due to the submission of a late report by the Army.
- Region 5, Joliet Army Ammunition Plant (Load-Assembly-Packing Area) Sites, the EPA issued an independent finding of “protectiveness deferred” due to the late submission of the report by the Army.
- Region 5, Joliet Army Ammunition Plant (Manufacturing Area) Site, the EPA issued an independent finding of “protectiveness deferred” due to the late submission of the report by the Army.
- Region 8, Hill Air Force Base, the EPA issued an independent finding of “protectiveness deferred” due to the incomplete investigation of the vapor intrusion exposure pathway.
- Region 9, Andersen Air Force Base, the EPA issued an independent finding of “protectiveness deferred” due to missing information on land use controls.
- Region 9, Lawrence Livermore NATL Lab (Site 300) (USDOE), the EPA issued an independent finding of “protectiveness deferred” until the vapor intrusion exposure pathway study has been completed.
- Region 10, Bangor Naval Submarine Base and Bangor Ordnance Disposal (USNAVY), the EPA issued an independent finding of “protectiveness deferred” due to a new exposure pathway from consumption of shellfish that may contain munition compounds and a lack of stormwater data.
- Region 10, Bangor Ordnance Disposal (USNAVY), the EPA issued an independent finding of “protectiveness deferred” due to a new exposure pathway from consumption of shell fish that may contain munition compounds and a lack of storm water data.
- Region 10, Jackson Park Housing Complex (USNAVY), the EPA issued an independent finding of “not protective” due to carcinogenic PAHs in soil above the Record of Decision cleanup level.

### Attachment 3

#### FY 2019 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 OU is protective but another OU 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 both 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 at a later time and documented 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 is achieved.