



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

June 6, 2019

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 2018 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 any questions please contact me, or your staff may contact Travis Voyles, Deputy Associate Administrator for Congressional Affairs, at Voyles.Travis@epa.gov or (202) 564-6399.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew Wheeler", with a long horizontal flourish extending to the right.

Andrew R. Wheeler

Enclosure



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

June 6, 2019

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 2018 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 any questions please contact me, or your staff may contact Travis Voyles, Deputy Associate Administrator for Congressional Affairs, at Voyles.Travis@epa.gov or (202) 564-6399.

Sincerely,

A handwritten signature in black ink that reads "Andrew R. Wheeler".

Andrew R. Wheeler

Enclosure

FISCAL YEAR 2018 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. 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 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) 2018, prior or later fiscal years, currently completed;
- Non-Federal facility reviews due in FY 2018 or prior fiscal years, pending completion;
- Federal facility reviews due in FY 2018, currently completed; and
- Federal facility reviews due in FY 2018 or prior fiscal years, pending completion.

For non-Federal facility sites, a total of 209 five-year reviews were due in FY 2018. Of the reviews due in FY 2018, 207 are now complete, while two remain pending completion. Another 11 reviews due in prior or later fiscal years were also completed in FY 2018, bringing the total number of non-Federal site five-year reviews completed in FY 2018 to **218** (Table 1).

For Federal facility NPL sites, a total of 33 sites required five-year reviews in FY 2018. Of the reviews due in FY 2018, all 33 are now complete. One additional review due in a prior fiscal year was

completed, bringing the total number of Federal facility NPL site five-year reviews completed in FY 2018 to **34** (Table 1).

For non-Federal facility sites, two reviews due in a prior fiscal year remain pending and EPA is working to complete them. For Federal facility NPL sites, four reviews due in prior fiscal years are 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 **252**. Based on the reviews, EPA has determined that seven sites (or portions of the sites) were “not protective” and that 27 sites were “protectiveness deferred” (Table 2). EPA tracks recommendations to do additional work or study for each of these sites in the Superfund Enterprise Management System (SEMS) and, semiannually, EPA headquarters monitors the progress in implementing these recommendations to resolve protectiveness-related issues at all sites.

Table 1: Five-Year Review Completion Status

Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2018			
FYR Completion Status	Number of FYRs		
	Non-FF	FF	Total
Total FYRs Due in FY18	209	33	242
Total FYRs Completed in FY18	218	34	252
FYRs Due in FY18, Completed in FY18	207	33	240
FYRs Due in other FYs, Completed in FY18	11	1	12
Total FYRs Pending Completion at the end of FY18	4	4	8
FYRs Due in FY18, Pending Completion	2	0	2
FYRs Due in other FYs, Pending Completion	2	4	6

Table 2: Five-Year Review Protectiveness Determination

Non-Federal Facility (non-FF) and Federal Facility (FF) FYRs Completed in FY 2018			
Protectiveness Determination	Number of FYRs		
	Non-FF	FF	Total
Protective	75	4	79
Short-Term Protective	112	9	121
Will Be Protective	15	3	18
Protectiveness Deferred	12	15	27
Not Protective	4	3	7
Total	218	34	252

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. These reviews include the protectiveness determinations that are ultimately selected. The attachments to this report contain

additional details on the five-year reviews summarized in this report, including a list of statutory, policy and discretionary¹ five-year reviews that were conducted for non-Federal facility sites and Federal facility NPL sites.

Attachments (3)

¹ 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) 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 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 remedy's protectiveness.

Attachment 1

**FY 2018 Superfund Five-Year Review Report to Congress
FYRs at Non-Federal Facility Sites**

Non-Federal Facility FYRs Completed in FY18						
Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination^a
01	CT	BARKHAMSTED-NEW HARTFORD LANDFILL	Policy	09/20/2018	2018	Short-Term Protective
01	CT	BEACON HEIGHTS LANDFILL	Statutory	09/18/2018	2018	Short-Term Protective
01	CT	LAUREL PARK, INC.	Statutory	09/04/2018	2018	Short-Term Protective
01	CT	YAWORSKI WASTE LAGOON	Statutory	09/01/2018	2018	Short-Term Protective
01	MA	IRON HORSE PARK	Statutory	09/20/2018	2018	Will be Protective
01	MA	PLYMOUTH HARBOR/CANNON ENGINEERING CORP.	Policy	07/03/2018	2018	Protective
01	MA	RE-SOLVE, INC.	Statutory	09/24/2018	2018	Protective
01	MA	SHPACK LANDFILL	Statutory	08/29/2018	2018	Protective
01	MA	SULLIVAN'S LEDGE	Statutory	09/13/2018	2018	Short-Term Protective
01	ME	MCKIN CO.	Statutory	09/26/2018	2018	Short-Term Protective
01	ME	WEST SITE/HOWS CORNERS	Statutory	09/27/2018	2018	Short-Term Protective
01	NH	FLETCHER'S PAINT WORKS & STORAGE	Statutory	02/27/2018	2018	Short-Term Protective
01	NH	KEARSARGE METALLURGICAL CORP.	Policy	09/05/2018	2018	Protective
01	NH	KEEFE ENVIRONMENTAL SERVICES (KES)	Policy	09/10/2018	2018	Short-Term Protective
01	NH	MOTTOLO PIG FARM	Policy	08/13/2018	2018	Short-Term Protective
01	NH	SOUTH MUNICIPAL WATER SUPPLY WELL	Statutory	09/20/2018	2018	Short-Term Protective
01	NH	TIBBETTS ROAD	Policy	08/20/2018	2018	Short-Term Protective
01	RI	CENTRAL LANDFILL	Statutory	09/24/2018	2018	Short-Term Protective
01	RI	PICILLO FARM	Policy	07/30/2018	2018	Short-Term Protective
01	RI	WESTERN SAND & GRAVEL	Policy	09/26/2018	2018	Short-Term Protective
01	VT	OLD SPRINGFIELD LANDFILL	Statutory	07/31/2018	2018	Short-Term Protective
02	NJ	A. O. POLYMER	Policy	06/05/2018	2019	Protective
02	NJ	ATLANTIC RESOURCES	Statutory	12/14/2017	2018	Will be Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
02	NJ	BRIDGEPORT RENTAL & OIL SERVICES	Statutory	09/25/2018	2017	Will be Protective
02	NJ	CIBA-GEIGY CORP.	Statutory	05/07/2018	2018	Short-Term Protective
02	NJ	CROWN VANTAGE LANDFILL	Statutory	12/07/2017	2018	Protective
02	NJ	GOOSE FARM	Policy	07/02/2018	2018	Protective
02	NJ	HIGGINS FARM	Policy	09/28/2018	2019	Short-Term Protective
02	NJ	HORSESHOE ROAD	Statutory	12/04/2017	2013	Will be Protective
02	NJ	MYERS PROPERTY	Statutory	05/17/2018	2018	Protective
02	NJ	NL INDUSTRIES	Policy	09/27/2018	2018	Will be Protective
02	NJ	PJP LANDFILL	Statutory	09/27/2018	2018	Will be Protective
02	NJ	REICH FARMS	Policy	09/11/2018	2018	Protective
02	NJ	SCIENTIFIC CHEMICAL PROCESSING	Statutory	12/14/2017	2018	Protective
02	NJ	WALDICK AEROSPACE DEVICES, INC.	Policy	09/27/2018	2018	Short-Term Protective
02	NY	CLOTHIER DISPOSAL	Statutory	01/17/2018	2018	Protective
02	NY	CONKLIN DUMPS	Statutory	07/16/2018	2018	Protective
02	NY	GCL TIE AND TREATING INC.	Statutory	09/18/2018	2018	Short-Term Protective
02	NY	GE MOREAU	Statutory	09/05/2018	2018	Short-Term Protective
02	NY	GOLDISC RECORDINGS, INC.	Statutory	05/14/2018	2018	Protective
02	NY	HITEMAN LEATHER	Statutory	05/22/2018	2018	Protective
02	NY	ISLIP MUNICIPAL SANITARY LANDFILL	Statutory	09/27/2018	2018	Short-Term Protective
02	NY	MARATHON BATTERY CORP.	Statutory	09/17/2018	2018	Short-Term Protective
02	NY	NEPERA CHEMICAL CO., INC.	Policy	08/23/2018	2018	Short-Term Protective
02	NY	NORTH SEA MUNICIPAL LANDFILL	Statutory	05/22/2018	2018	Short-Term Protective
02	NY	PETER COOPER CORPORATION (MARKHAMS)	Statutory	06/13/2018	2018	Protective
02	NY	ROSEN BROTHERS SCRAP YARD/DUMP	Statutory	09/05/2018	2018	Protective
02	NY	ROWE INDUSTRIES GROUND WATER CONTAMINATION	Policy	05/24/2018	2018	Protective
02	NY	SEALAND RESTORATION, INC.	Statutory	06/06/2018	2018	Protective
02	NY	SHENANDOAH ROAD GROUNDWATER CONTAMINATION	Policy	09/28/2018	2018	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
02	NY	VESTAL WATER SUPPLY WELL 1-1	Policy	09/28/2018	2018	Short-Term Protective
02	PR	UPJOHN FACILITY	Statutory	09/11/2018	2018	Protective
03	DE	CHEM-SOLV, INC.	Policy	07/30/2018	2018	Short-Term Protective
03	DE	HARVEY & KNOTT DRUM, INC.	Statutory	09/26/2018	2018	Short-Term Protective
03	MD	MID-ATLANTIC WOOD PRESERVERS, INC.	Statutory	08/30/2018	2018	Short-Term Protective
03	MD	SPECTRON, INC.	Statutory	11/14/2017	2018	Will be Protective
03	PA	BELL LANDFILL	Statutory	08/22/2018	2018	Protective
03	PA	BLOSENSKI LANDFILL	Policy	09/19/2018	2018	Short-Term Protective
03	PA	CRYOCHEM, INC.	Policy	09/06/2018	2018	Protective
03	PA	DORNEY ROAD LANDFILL	Statutory	05/18/2018	2018	Protective
03	PA	DRAKE CHEMICAL	Policy	08/23/2018	2018	Short-Term Protective
03	PA	EASTERN DIVERSIFIED METALS	Statutory	02/07/2018	2018	Protective
03	PA	ELIZABETHTOWN LANDFILL	Statutory	06/18/2018	2018	Will be Protective
03	PA	INDUSTRIAL LANE	Statutory	09/19/2018	2018	Protective
03	PA	LINDANE DUMP	Statutory	08/22/2018	2018	Protective
03	PA	METAL BANK	Statutory	08/23/2018	2018	Short-Term Protective
03	PA	NORTH PENN - AREA 1	Policy	09/19/2018	2018	Short-Term Protective
03	PA	OCCIDENTAL CHEMICAL CORP./FIRESTONE TIRE & RUBBER CO.	Policy	08/01/2018	2018	Protective
03	PA	OHIO RIVER PARK	Statutory	03/20/2018	2018	Protective
03	PA	RODALE MANUFACTURING CO., INC.	Statutory	09/19/2018	2018	Protective
03	PA	SHRIVER'S CORNER	Policy	08/14/2018	2018	Protective
03	PA	TAYLOR BOROUGH DUMP	Policy	06/19/2018	2018	Short-Term Protective
03	PA	TONOLLI CORP.	Statutory	05/24/2018	2018	Protective
03	VA	AVTEX FIBERS, INC.	Statutory	03/23/2018	2018	Short-Term Protective
03	VA	BUCKINGHAM COUNTY LANDFILL	Statutory	08/23/2018	2018	Short-Term Protective
03	VA	C & R BATTERY CO., INC.	Statutory	09/06/2018	2018	Short-Term Protective
03	VA	GREENWOOD CHEMICAL CO.	Statutory	09/06/2018	2018	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
03	VA	RENTOKIL, INC. (VIRGINIA WOOD PRESERVING DIVISION)	Statutory	07/02/2018	2018	Short-Term Protective
04	AL	MOWBRAY ENGINEERING CO.	Statutory	09/26/2018	2018	Protective
04	FL	ALARIC AREA GW PLUME	Statutory	07/30/2018	2018	Protectiveness Deferred
04	FL	BEULAH LANDFILL	Statutory	09/20/2018	2018	Protective
04	FL	CHEVRON CHEMICAL CO. (ORTHO DIVISION)	Statutory	09/26/2018	2018	Short-Term Protective
04	FL	FLORIDA PETROLEUM REPROCESSORS	Policy	09/18/2018	2018	Short-Term Protective
04	FL	MIAMI DRUM SERVICES	Policy	09/18/2018	2018	Short-Term Protective
04	FL	RALEIGH STREET DUMP	Statutory	12/14/2017	2018	Protective
04	FL	TAYLOR ROAD LANDFILL	Statutory	09/18/2018	2018	Protective
04	FL	TOWER CHEMICAL CO.	Policy	09/05/2018	2018	Will be Protective
04	GA	ALTERNATE ENERGY RESOURCES INC	Statutory	11/20/2017	2018	Short-Term Protective
04	GA	PEACH ORCHARD RD PCE GROUNDWATER PLUME SITE	Policy	09/06/2018	2018	Short-Term Protective
04	GA	POWERSVILLE SITE	Statutory	08/08/2018	2018	Short-Term Protective
04	GA	T.H. AGRICULTURE & NUTRITION CO. (ALBANY PLANT)	Statutory	07/18/2018	2018	Short-Term Protective
04	KY	A.L. TAYLOR (VALLEY OF DRUMS)	Statutory	09/26/2018	2018	Short-Term Protective
04	KY	BRANTLEY LANDFILL	Statutory	02/21/2018	2018	Short-Term Protective
04	KY	DISTLER BRICKYARD	Policy	09/25/2018	2018	Short-Term Protective
04	KY	DISTLER FARM	Policy	09/25/2018	2018	Short-Term Protective
04	KY	LEE'S LANE LANDFILL	Statutory	08/30/2018	2018	Short-Term Protective
04	KY	NATIONAL ELECTRIC COIL CO./COOPER INDUSTRIES	Policy	09/20/2018	2018	Protectiveness Deferred
04	KY	TRI-CITY DISPOSAL CO.	Statutory	09/26/2018	2018	Short-Term Protective
04	NC	ABC ONE HOUR CLEANERS	Statutory	06/05/2018	2018	Protectiveness Deferred
04	NC	ABERDEEN PESTICIDE DUMPS	Policy	09/26/2018	2018	Protective
04	NC	BENFIELD INDUSTRIES, INC.	Statutory	09/18/2018	2018	Protective
04	NC	GEIGY CHEMICAL CORP. (ABERDEEN PLANT)	Policy	09/26/2018	2018	Protective
04	NC	GURLEY PESTICIDE BURIAL	Statutory	03/07/2018	2018	Short-Term Protective
04	NC	NORTH CAROLINA STATE UNIVERSITY (LOT 86, FARM UNIT #1)	Statutory	09/26/2018	2018	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
04	NC	SIGMON'S SEPTIC TANK SERVICE	Policy	09/05/2018	2014	Protective
04	SC	BEAUNIT CORP. (CIRCULAR KNIT & DYEING PLANT)	Statutory	09/26/2018	2018	Protective
04	SC	CAROLAWN, INC.	Statutory	09/18/2018	2018	Short-Term Protective
04	SC	ELMORE WASTE DISPOSAL	Policy	08/23/2018	2018	Short-Term Protective
04	SC	KALAMA SPECIALTY CHEMICALS	Statutory	09/28/2018	2018	Short-Term Protective
04	SC	KOPPERS CO., INC. (CHARLESTON PLANT)	Statutory	09/18/2018	2018	Short-Term Protective
04	SC	SCRDI BLUFF ROAD	Policy	09/18/2018	2018	Short-Term Protective
04	TN	MALLORY CAPACITOR CO.	Statutory	09/18/2018	2018	Protective
05	IL	ADAMS COUNTY QUINCY LANDFILLS 2&3	Statutory	02/20/2018	2018	Protective
05	IL	BELOIT CORP.	Policy	09/21/2018	2018	Short-Term Protective
05	IL	BYRON SALVAGE YARD	Statutory	07/26/2018	2018	Protective
05	IL	DUPAGE COUNTY LANDFILL/BLACKWELL FOREST PRESERVE	Statutory	05/01/2018	2018	Short-Term Protective
05	IL	JOHNS-MANVILLE CORP.	Statutory	04/30/2018	2018	Short-Term Protective
05	IL	OTTAWA TOWNSHIP FLAT GLASS SITE	Statutory	09/21/2018	2018	Short-Term Protective
05	IL	SAUGET AREA 2	Statutory	06/26/2018	2018	Will be Protective
05	IL	SOUTHEAST ROCKFORD GROUND WATER CONTAMINATION	Statutory	05/10/2018	2018	Will be Protective
05	IL	VELSICOL CHEMICAL CORP. (MARSHALL PLANT)	Statutory	05/09/2018	2018	Protective
05	IN	ENVIROCHEM CORP.	Statutory	03/12/2018	2018	Protectiveness Deferred
05	MI	AIRCRAFT COMPONENTS (D & L SALES)	Statutory	04/10/2018	2018	Short-Term Protective
05	MI	ALLIED PAPER, INC./PORTAGE CREEK/KALAMAZOO RIVER	Statutory	10/17/2017	2018	Short-Term Protective
05	MI	BOFORS NOBEL, INC.	Statutory	07/23/2018	2018	Short-Term Protective
05	MI	MUSKEGON CHEMICAL CO.	Policy	04/03/2018	2018	Short-Term Protective
05	MI	TORCH LAKE	Statutory	03/22/2018	2018	Short-Term Protective
05	MN	KUMMER SANITARY LANDFILL	Statutory	03/06/2018	2018	Short-Term Protective
05	MN	LAGRAND SANITARY LANDFILL	Statutory	08/14/2018	2018	Protective
05	MN	RITARI POST & POLE	Statutory	09/13/2018	2018	Short-Term Protective
05	MN	WASTE DISPOSAL ENGINEERING	Statutory	04/24/2018	2018	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
05	OH	NEW LYME LANDFILL	Statutory	02/28/2018	2018	Short-Term Protective
05	OH	POWELL ROAD LANDFILL	Statutory	06/01/2018	2018	Short-Term Protective
05	OH	REPUBLIC STEEL CORP. QUARRY	Statutory	03/20/2018	2018	Short-Term Protective
05	OH	SUMMIT EQUIPMENT & SUPPLIES INCORPORATION	Statutory	07/30/2018	2018	Short-Term Protective
05	OH	SUMMIT NATIONAL	Statutory	07/13/2018	2018	Protective
05	WI	CEDAR CREEK	Statutory	11/07/2017	2018	Short-Term Protective
05	WI	FADROWSKI DRUM DISPOSAL	Statutory	07/30/2018	2018	Short-Term Protective
05	WI	MADISON METROPOLITAN SEWERAGE DISTRICT LAGOONS	Statutory	03/12/2018	2018	Protective
05	WI	ONALASKA MUNICIPAL LANDFILL	Statutory	04/03/2018	2018	Short-Term Protective
05	WI	SCHMALZ DUMP	Statutory	08/08/2018	2018	Short-Term Protective
05	WI	STOUGHTON CITY LANDFILL	Statutory	04/12/2018	2018	Short-Term Protective
06	AR	MID-SOUTH WOOD PRODUCTS	Statutory	05/08/2018	2017	Protectiveness Deferred
06	LA	AGRICULTURE STREET LANDFILL	Policy	09/07/2018	2018	Protective
06	LA	BAYOU SORREL	Statutory	07/10/2018	2018	Protective
06	LA	CLEVE REBER	Statutory	05/21/2018	2018	Protective
06	LA	D.L. MUD, INC.	Statutory	09/28/2018	2018	Short-Term Protective
06	LA	GULF COAST VACUUM SERVICES	Statutory	09/27/2018	2018	Protective
06	LA	HIGHWAY 71/72 REFINERY	Statutory	05/22/2018	2018	Protective
06	NM	AT & SF (CLOVIS)	Statutory	07/24/2018	2018	Protective
06	NM	AT&SF (ALBUQUERQUE)	Statutory	06/06/2018	2018	Protective
06	NM	CIMARRON MINING CORP.	Statutory	09/13/2018	2018	Protective
06	NM	UNITED NUCLEAR CORP.	Statutory	09/18/2018	2018	Will be Protective
06	OK	IMPERIAL REFINING COMPANY	Statutory	03/09/2018	2018	Protective
06	TX	BRIO REFINING, INC.	Statutory	09/20/2018	2018	Short-Term Protective
06	TX	CITY OF PERRYTON WELL NO. 2	Statutory	07/19/2018	2018	Short-Term Protective
06	TX	CONROE CREOSOTING CO.	Statutory	07/10/2018	2018	Short-Term Protective
06	TX	DIXIE OIL PROCESSORS, INC.	Statutory	09/13/2018	2018	Protective
06	TX	GENEVA INDUSTRIES/FUHRMANN ENERGY	Policy	08/20/2018	2018	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
06	TX	HART CREOSOTING COMPANY	Statutory	08/06/2018	2018	Short-Term Protective
06	TX	HIGHLANDS ACID PIT	Statutory	05/24/2018	2017	Short-Term Protective
06	TX	JASPER CREOSOTING COMPANY INC.	Statutory	09/11/2018	2018	Short-Term Protective
06	TX	MANY DIVERSIFIED INTERESTS, INC.	Statutory	06/07/2018	2017	Protective
06	TX	NORTH CAVALCADE STREET	Statutory	06/26/2018	2018	Short-Term Protective
06	TX	ROCKWOOL INDUSTRIES INC.	Statutory	08/23/2018	2017	Short-Term Protective
06	TX	SPRAGUE ROAD GROUND WATER PLUME	Policy	09/20/2018	2018	Short-Term Protective
07	IA	DES MOINES TCE	Statutory	04/04/2018	2018	Not Protective
07	IA	JOHN DEERE (DUBUQUE WORKS)	Statutory	07/13/2018	2018	Protective
07	IA	JOHN DEERE (OTTUMWA WORKS LANDFILLS)	Statutory	04/03/2018	2018	Protective
07	IA	MASON CITY COAL GASIFICATION PLANT	Statutory	04/03/2018	2018	Protectiveness Deferred
07	IA	MID-AMERICA TANNING CO.	Statutory	09/05/2018	2018	Short-Term Protective
07	IA	WATERLOO COAL GASIFICATION PLANT	Statutory	08/28/2018	2018	Protective
07	KS	ACE SERVICES	Policy	09/17/2018	2018	Short-Term Protective
07	KS	WRIGHT GROUND WATER CONTAMINATION	Policy	08/03/2018	2018	Protectiveness Deferred
07	MO	MADISON COUNTY MINES	Statutory	09/20/2018	2018	Not Protective
07	MO	VALLEY PARK TCE	Policy	09/13/2018	2018	Short-Term Protective
07	NE	CLEBURN STREET WELL	Policy	08/21/2018	2018	Protectiveness Deferred
07	NE	LINDSAY MANUFACTURING CO.	Statutory	08/22/2018	2018	Short-Term Protective
07	NE	SHERWOOD MEDICAL CO.	Policy	09/10/2018	2018	Short-Term Protective
08	CO	CENTRAL CITY, CLEAR CREEK	Statutory	11/03/2017	2014	Protectiveness Deferred
08	CO	DENVER RADIUM SITE	Statutory	09/28/2018	2018	Short-Term Protective
08	CO	EAGLE MINE	Statutory	09/18/2018	2018	Short-Term Protective
08	MT	BASIN MINING AREA	Statutory	09/22/2018	2018	Short-Term Protective
08	MT	FLAT CREEK IMM	Statutory	09/27/2018	2018	Protective
08	MT	MOUAT INDUSTRIES	Policy	07/06/2018	2018	Protective
08	ND	ARSENIC TRIOXIDE SITE	Policy	09/21/2018	2018	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
08	UT	BOUNTIFUL/WOODS CROSS 5TH S. PCE PLUME	Statutory	07/25/2018	2018	Short-Term Protective
08	UT	EUREKA MILLS	Statutory	07/17/2018	2018	Protective
08	UT	INTERMOUNTAIN WASTE OIL REFINERY	Statutory	08/15/2018	2018	Protective
08	UT	RICHARDSON FLAT TAILINGS	Statutory	08/10/2018	2018	Short-Term Protective
09	AZ	TUCSON INTERNATIONAL AIRPORT AREA	Statutory	09/21/2018	2018	Short-Term Protective
09	CA	BECKMAN INSTRUMENTS (PORTERVILLE PLANT)	Policy	08/23/2018	2018	Protective
09	CA	IRON MOUNTAIN MINE	Statutory	09/21/2018	2018	Short-Term Protective
09	CA	KOPPERS CO., INC. (OROVILLE PLANT)	Statutory	09/26/2018	2018	Protective
09	CA	MCCORMICK & BAXTER CREOSOTING CO.	Statutory	09/24/2018	2018	Will be Protective
09	CA	MODESTO GROUND WATER CONTAMINATION	Statutory	09/24/2018	2018	Protective
09	CA	MONOLITHIC MEMORIES	Statutory	09/24/2018	2019	Short-Term Protective
09	CA	NATIONAL SEMICONDUCTOR CORP.	Policy	09/24/2018	2018	Short-Term Protective
09	CA	NEWMARK GROUND WATER CONTAMINATION	Statutory	09/26/2018	2018	Short-Term Protective
09	CA	SAN FERNANDO VALLEY (AREA 1)	Statutory	09/21/2018	2018	Protective
09	CA	SAN FERNANDO VALLEY (AREA 2)	Statutory	09/21/2018	2018	Protectiveness Deferred
09	CA	T.H. AGRICULTURE & NUTRITION CO.	Statutory	09/26/2018	2018	Short-Term Protective
09	CA	WESTERN PACIFIC RAILROAD CO.	Statutory	08/23/2018	2018	Short-Term Protective
09	NV	CARSON RIVER MERCURY SITE	Statutory	09/28/2018	2018	Short-Term Protective
10	ID	BLACKBIRD MINE	Statutory	08/22/2018	2018	Will be Protective
10	ID	MONSANTO CHEMICAL CO. (SODA SPRINGS PLANT)	Statutory	09/12/2018	2018	Not Protective
10	OR	ALLIED PLATING, INC.	Statutory	07/25/2018	2018	Protective
10	OR	MARTIN-MARIETTA ALUMINUM CO.	Statutory	05/10/2018	2018	Short-Term Protective
10	OR	REYNOLDS METALS COMPANY	Statutory	09/24/2018	2018	Protectiveness Deferred
10	OR	TELEDYNE WAH CHANG	Statutory	12/19/2017	2018	Short-Term Protective
10	WA	BOOMSNUB/AIRCO	Statutory	09/13/2018	2018	Short-Term Protective
10	WA	COMMENCEMENT BAY, SOUTH TACOMA CHANNEL	Statutory	09/27/2018	2018	Will be Protective
10	WA	FMC CORP. (YAKIMA)	Statutory	09/05/2018	2018	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
10	WA	FRONTIER HARD CHROME, INC.	Policy	01/29/2018	2018	Protective
10	WA	PALERMO WELL FIELD GROUND WATER CONTAMINATION	Statutory	09/17/2018	2018	Not Protective
10	WA	QUEEN CITY FARMS	Statutory	09/17/2018	2018	Protective
10	WA	TULALIP LANDFILL	Statutory	04/23/2018	2018	Protectiveness Deferred
10	WA	WESTERN PROCESSING CO., INC.	Statutory	09/12/2018	2018	Short-Term Protective

^a Explanations of terms used in this table are included in Attachment 3.

Non-Federal Facility FYRs Not Yet Complete				
Region	State	Site Name	FYR Type	Fiscal Year Due
02	NY	HUDSON RIVER PCBS	Statutory	2017
04	MS	SONFORD PRODUCTS	Statutory	2017
05	MI	LIQUID DISPOSAL, INC.	Statutory	2018
06	NM	GRANTS CHLORINATED SOLVENTS	Statutory	2018

Attachment 2

**FY 2018 Superfund Five-Year Review Report to Congress
FYRs at Federal Facility Sites**

Federal Facility FYRs Completed in FY18

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
01	MA	OTIS AIR NATIONAL GUARD BASE/CAMP EDWARDS	Statutory	09/24/2018	2018	Will be Protective
01	RI	DAVISVILLE NAVAL CONSTRUCTION BATTALION CENTER	Statutory	03/28/2018	2018	Short-Term Protective
02	NJ	FORT DIX (LANDFILL SITE)	Statutory	05/10/2018	2018	Short-Term Protective
02	NJ	NAVAL WEAPONS STATION EARLE (SITE A)	Statutory	03/15/2018	2018	Short-Term Protective
02	PR	ATLANTIC FLEET WEAPONS TRAINING AREA	Statutory	09/26/2018	2018	Will be Protective
03	MD	BELTSVILLE AGRICULTURAL RESEARCH CENTER (USDA)	Statutory	07/24/2018	2018	Short-Term Protective
03	PA	WILLOW GROVE NAVAL AIR AND AIR RESERVE STATION	Statutory	09/27/2018	2018	Protectiveness Deferred
03	VA	DEFENSE GENERAL SUPPLY CENTER (DLA)	Statutory	08/17/2018	2018	Protectiveness Deferred
03	VA	FORT EUSTIS (US ARMY)	Statutory	09/19/2018	2018	Not Protective ^b
03	VA	MARINE CORPS COMBAT DEVELOPMENT COMMAND	Statutory	06/05/2018	2018	Protectiveness Deferred ^b
03	VA	NAVAL WEAPONS STATION - YORKTOWN	Statutory	03/20/2018	2018	Short-Term Protective
03	WV	ALLEGANY BALLISTICS LABORATORY (USNAVY)	Statutory	08/23/2018	2018	Short-Term Protective
04	AL	ALABAMA ARMY AMMUNITION PLANT	Statutory	09/13/2018	2018	Not Protective ^c
04	AL	USARMY/NASA REDSTONE ARSENAL	Statutory	09/18/2018	2018	Protectiveness Deferred ^d
04	FL	PENSACOLA NAVAL AIR STATION	Statutory	09/13/2018	2018	Will be Protective
04	NC	CHERRY POINT MARINE CORPS AIR STATION	Statutory	05/08/2018	2018	Protectiveness Deferred
04	SC	SAVANNAH RIVER SITE (USDOE)	Statutory	01/30/2018	2018	Protective
04	SC	SAVANNAH RIVER SITE (USDOE)	Statutory	03/14/2018	2018	Protective
04	TN	MEMPHIS DEFENSE DEPOT (DLA)	Statutory	04/05/2018	2018	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
05	MN	TWIN CITIES AIR FORCE RESERVE BASE (SMALL ARMS RANGE LANDFILL)	Statutory	04/24/2018	2018	Protective
06	TX	PANTEX PLANT (USDOE)	Statutory	09/13/2018	2018	Short-Term Protective
08	CO	AIR FORCE PLANT PJKS	Statutory	08/10/2018	2018	Protectiveness Deferred
08	UT	TOOELE ARMY DEPOT (NORTH AREA)	Statutory	04/16/2018	2018	Protectiveness Deferred
09	CA	BARSTOW MARINE CORPS LOGISTICS BASE	Statutory	09/28/2018	2018	Protectiveness Deferred
09	CA	EDWARDS AIR FORCE BASE	Statutory	09/13/2018	2018	Short-Term Protective
09	CA	LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE), OU 4	Statutory	01/09/2018	2018	Protectiveness Deferred ^c
09	CA	LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE), OU 6 and 8	Statutory	09/26/2018	2018	Protectiveness Deferred
09	CA	TRAVIS AIR FORCE BASE	Statutory	09/20/2018	2018	Protectiveness Deferred ^c
10	AK	EIELSON AIR FORCE BASE	Statutory	09/27/2018	2018	Protectiveness Deferred ^c
10	AK	FORT RICHARDSON (US ARMY)	Statutory	02/22/2018	2018	Protectiveness Deferred ^b
10	AK	STANDARD STEEL & METALS SALVAGE YARD (USDOT)	Statutory	04/11/2018	2018	Protective
10	ID	MOUNTAIN HOME AIR FORCE BASE	Policy	09/25/2018	2016	Protectiveness Deferred
10	WA	FAIRCHILD AIR FORCE BASE (4 WASTE AREAS)	Statutory	09/20/2018	2018	Protectiveness Deferred
10	WA	PUGET SOUND NAVAL SHIPYARD COMPLEX	Statutory	10/26/2017	2018	Not Protective ^c

^a Explanations of terms used in this table are included in Attachment 3.

^b 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, Marine Corps Combat Development Command (US Navy), EPA concurred with the Navy's protectiveness determination of "protectiveness deferred" until further information is obtained about the potential of a vapor intrusion exposure pathway.
- Region 3, Fort Eustis (US Army), EPA concurred with the Army's protectiveness determination of "not protective" due to ecological receptors.
- Region 10, Fort Richardson (US Army), EPA concurred with the Army's protectiveness determination of "protectiveness deferred" until further information is obtained about the vapor intrusion pathway and detections of PFAS compounds in groundwater.

^c 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 4, Alabama Army Ammunition Plant (US Army), EPA issued an independent finding of "not protective" because of exposure to the asbestos contamination from building demolition.

- Region 9, Lawrence Livermore National Laboratory Site 300 (USDOE), OU 4, EPA issued an independent finding of “protectiveness deferred” until the vapor intrusion pathway is evaluated.
- Region 9, Barstow Marine Corps Logistics Base (US Navy), EPA issued an independent finding of “protectiveness deferred” due to the presence of per- and polyfluoroalkyl substances at several locations on and offsite at the base.
- Region 9, Travis Air Force Base (US Air Force), EPA issued an independent finding of “protectiveness deferred” until the existing passive vapor intrusion barrier system is protective.
- Region 10, Eielson Air Force Base (US Air Force), EPA issued an independent finding of “protectiveness deferred” until the vapor intrusion pathway is evaluated.
- Region 10, Puget Sound Naval Shipyard Complex (US Navy), EPA issued an independent finding of “not protective” because of contaminated media from the landfill is not sufficiently contained to protect human health and the environment.

- ^d EPA did not receive a FYR report and issued an independent finding of the protectiveness of the remedy.
- Region 4, US Army/NASA Redstone Arsenal (US Army), EPA issued an independent finding of “protectiveness deferred” because EPA did not receive the report by the statutory deadline.

Federal Facility FYRs Not Yet Complete				
Region	State	Site Name	FYR Type	Fiscal Year Due
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 2018 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 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.