



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

THE ADMINISTRATOR

JUN 23 2022

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 2021 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.

I would be pleased to further discuss the contents of this report at your convenience, or your staff may contact William Niebling, Associate Administrator for Congressional and Intergovernmental Relations at Niebling.William@epa.gov or (202) 564-5200.

Sincerely yours,

A handwritten signature in black ink that reads "Michael S. Regan".

Michael S. Regan

Enclosure



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

THE ADMINISTRATOR

JUN 23 2022

The Honorable Kamala Harris
President of the Senate
United States Senate
Washington, D.C. 20510

Dear Madam President:

I am pleased to submit the enclosed report titled, "FY 2021 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.

I would be pleased to further discuss the contents of this report at your convenience, or your staff may contact William Niebling, Associate Administrator for Congressional and Intergovernmental Relations at Niebling.William@epa.gov or (202) 564-5200.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Michael S. Regan". The signature is fluid and cursive.

Michael S. Regan

Enclosure

FISCAL YEAR 2021 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, at least every five years, Superfund remedial actions 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 (FYRs) conducted for non-Federal facility (non-FF) sites and Federal facility (FF) National Priorities List (NPL) sites and respective protectiveness determinations, including the following:

- Non-FF reviews, due in Fiscal Year (FY) 2021, or other fiscal years, completed in FY 2021.
- Non-FF reviews due in FY 2021 or prior fiscal years, pending completion.
- FF reviews due in FY 2021 or other fiscal years, completed in FY 2021.

For non-FF sites, a total of 209 FYRs were due in FY 2021. Of the reviews due in FY 2021, 208 are complete, while one remains pending completion. Another six reviews due in other fiscal years were also completed in FY 2021, bringing the total number of non-FF site FYRs completed in FY 2021 to 214 (Table 1).

For FF NPL sites, a total of 45 sites required FYRs in FY 2021. Of the reviews due in FY 2021, all 45 are complete. One additional review due in another fiscal year was completed; therefore, the total number of FF NPL site FYRs completed in FY 2021 is 46 (Table 1).

The total number of FYRs completed for both non-FF and FF NPL sites was **260**. Based on the reviews, EPA has determined that four sites (or portions of sites) were “not protective” and that 28 sites or portions of 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-FF and FF FYRs Completed in FY 2021			
FYR Completion Status	Number of FYRs		
	Non-FF	FF	Total
Total FYRs Due in FY 2021	209	45	254
Total FYRs Completed in FY 2021	214	46	260
FYRs Due in FY 2021, Completed in FY 2021	208	45	253
FYRs Due in other FYs, Completed in FY 2021	6	1	7
Total FYRs Pending Completion at the end of FY 2021	1	0	1
FYRs Due in FY 2021, Pending Completion	1	0	1
FYRs Due in other FYs, Pending Completion	0	0	0

Table 2: Five-Year Review Protectiveness Determinations

Non-FF and FF FYRs Completed in FY 2021			
Protectiveness Determination	Number of FYRs		
	Non-FF	FF	Total
Protective	52	8	60
Short-Term Protective	131	22	153
Will Be Protective	13	2	15
Protectiveness Deferred	15	13	28
Not Protective	3	1	4
Total	214	46	260

Copies of all FYRs, 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, site-specific information regarding remedy effectiveness, assessments of whether human and/or ecological exposures are occurring and protectiveness determinations ultimately selected. The attachments to this report contain additional details on the FYRs summarized in it,

including a list of statutory, policy and discretionary¹ FYRs conducted for non-FF sites and FF NPL sites.

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

Fiscal Year 2021 Superfund Five-Year Report Report to Congress: Five-Year Reviews at Non-Federal Facility Sites

Non-FF FYRs Completed in FY 2021

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
01	CT	DURHAM MEADOWS	Statutory	09/24/2021	2021	Will be Protective
01	ME	CALLAHAN MINING CORP	Statutory	04/07/2021	2021	Will be Protective
01	ME	EASTERN SURPLUS	Statutory	09/16/2021	2021	Will be Protective
01	NH	COAKLEY LANDFILL	Statutory	09/24/2021	2021	Short-Term Protective
01	NH	SAVAGE MUNICIPAL WATER SUPPLY	Statutory	09/13/2021	2021	Short-Term Protective
02	NJ	BURNT FLY BOG	Statutory	02/18/2021	2021	Short-Term Protective
02	NJ	DENZER & SCHAFFER X-RAY CO.	Policy	04/20/2021	2021	Protective
02	NJ	DIAMOND ALKALI CO.	Statutory	12/22/2020	2021	Short-Term Protective
02	NJ	HIGGINS DISPOSAL	Policy	11/20/2020	2021	Protective
02	NJ	LANDFILL & DEVELOPMENT CO.	Statutory	12/22/2020	2021	Protective
02	NJ	LANG PROPERTY	Policy	03/18/2021	2021	Protective
02	NJ	SYNCON RESINS	Statutory	09/13/2021	2021	Short-Term Protective
02	NJ	U.S. RADIUM CORP.	Policy	01/28/2021	2021	Protective
02	NJ	UNIVERSAL OIL PRODUCTS (CHEMICAL DIVISION)	Statutory	03/10/2021	2021	Short-Term Protective
02	NJ	VINELAND CHEMICAL CO., INC.	Statutory	07/28/2021	2021	Will be Protective
02	NJ	WILLIAMS PROPERTY	Policy	04/30/2021	2021	Protective
02	NJ	ZSCHIEGNER REFINING	Policy	04/29/2021	2021	Short-Term Protective
02	NY	APPLIED ENVIRONMENTAL SERVICES	Policy	12/17/2020	2021	Short-Term Protective
02	NY	COMPUTER CIRCUITS	Statutory	03/31/2021	2021	Short-Term Protective
02	NY	CORTESE LANDFILL	Statutory	02/23/2021	2021	Protective
02	NY	ENDICOTT VILLAGE WELL FIELD	Statutory	12/22/2020	2021	Protective
02	NY	HOOKER (102ND STREET)	Statutory	06/15/2021	2021	Protective
02	NY	HOOKER (HYDE PARK)	Policy	03/31/2021	2021	Protective
02	NY	HOOKER CHEMICAL & PLASTICS CORP./RUCO POLYMER CORP.	Policy	02/22/2021	2021	Protective
02	NY	JOHNSTOWN CITY LANDFILL	Statutory	01/22/2021	2021	Protective
02	NY	JONES CHEMICALS, INC.	Statutory	06/07/2021	2021	Short-Term Protective
02	NY	JONES SANITATION	Statutory	07/26/2021	2021	Protective
02	NY	NIAGARA MOHAWK POWER CORP. (SARATOGA SPRINGS PLANT)	Statutory	06/21/2021	2021	Short-Term Protective
02	NY	ONONDAGA LAKE	Statutory	12/07/2020	2021	Short-Term Protective
02	NY	PFOHL BROTHERS LANDFILL	Statutory	11/20/2020	2021	Protective
02	NY	REYNOLDS METALS CO	Statutory	06/25/2021	2021	Protective
02	NY	ROBINTECH, INC./NATIONAL PIPE CO.	Policy	07/02/2021	2021	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
02	NY	SARNEY FARM	Policy	04/30/2021	2021	Protective
02	NY	SMITHTOWN GROUND WATER CONTAMINATION	Policy	11/20/2020	2021	Protective
02	NY	TRI-CITIES BARREL CO., INC.	Statutory	01/22/2021	2021	Protective
02	NY	WARWICK LANDFILL	Statutory	11/12/2020	2021	Short-Term Protective
03	DE	STANDARD CHLORINE OF DELAWARE, INC.	Statutory	06/21/2021	2021	Protective
03	MD	LIMESTONE ROAD	Policy	01/14/2021	2021	Short-Term Protective
03	MD	ORDNANCE PRODUCTS, INC.	Statutory	11/22/2020	2021	Short-Term Protective
03	MD	WOODLAWN COUNTY LANDFILL	Statutory	11/25/2020	2021	Protective
03	PA	A.I.W. FRANK/MID-COUNTY MUSTANG	Policy	03/15/2021	2021	Short-Term Protective
03	PA	BERKS SAND PIT	Policy	07/23/2021	2021	Protective
03	PA	BUTZ LANDFILL	Statutory	08/06/2021	2021	Short-Term Protective
03	PA	CRATER RESOURCES, INC./KEYSTONE COKE CO./ALAN WOOD STEEL CO.	Statutory	07/23/2021	2021	Protective
03	PA	DELTA QUARRIES & DISPOSAL, INC./STOTLER LANDFILL	Statutory	05/03/2021	2021	Short-Term Protective
03	PA	JACKS CREEK/SITKIN SMELTING & REFINING, INC.	Statutory	03/15/2021	2021	Protective
03	PA	MILL CREEK DUMP	Statutory	08/13/2021	2021	Short-Term Protective
03	PA	NOVAK SANITARY LANDFILL	Statutory	06/11/2021	2021	Short-Term Protective
03	PA	OLD CITY OF YORK LANDFILL	Statutory	02/22/2021	2021	Protective
03	PA	PAOLI RAIL YARD	Statutory	04/22/2021	2021	Protective
03	PA	RESIN DISPOSAL	Statutory	12/18/2020	2021	Short-Term Protective
03	PA	REVERE CHEMICAL CO.	Statutory	9/30/2021	2021	Short-Term Protective
03	PA	RYELAND ROAD ARSENIC SITE	Statutory	09/02/2021	2021	Short-Term Protective
03	PA	SAFETY LIGHT CORPORATION	Statutory	07/23/2021	2021	Protective
03	PA	UGI COLUMBIA GAS PLANT	Statutory	05/05/2021	2021	Protective
03	PA	VALMONT TCE SITE (FORMER - VALMONT INDUSTRIAL PARK)	Statutory	07/23/2021	2021	Short-Term Protective
03	PA	WALSH LANDFILL	Statutory	04/28/2021	2021	Short-Term Protective
03	PA	WATSON JOHNSON LANDFILL	Statutory	05/13/2021	2021	Short-Term Protective
03	PA	WESTINGHOUSE ELECTRIC CORP. (SHARON PLANT)	Statutory	09/02/2021	2021	Short-Term Protective
03	PA	WESTINGHOUSE ELEVATOR CO. PLANT	Statutory	06/09/2021	2021	Protective
03	VA	ARROWHEAD ASSOCIATES, INC./SCOVILL CORP.	Statutory	12/29/2020	2021	Will be Protective
03	VA	KIM-STAN LANDFILL	Statutory	12/01/2020	2021	Short-Term Protective
03	WV	ORDNANCE WORKS DISPOSAL AREAS	Statutory	09/03/2021	2021	Protective
04	AL	CIBA-GEIGY CORP. (MCINTOSH PLANT)	Statutory	08/30/2021	2021	Not Protective
04	AL	INTERSTATE LEAD CO. (ILCO)	Statutory	09/30/2021	2021	Short-Term Protective
04	AL	OLIN CORP. (MCINTOSH PLANT)	Statutory	08/31/2021	2021	Short-Term Protective
04	AL	STAUFFER CHEMICAL CO. (COLD CREEK PLANT)	Statutory	09/30/2021	2021	Protectiveness Deferred

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
04	AL	STAUFFER CHEMICAL CO. (LEMOYNE PLANT)	Statutory	09/30/2021	2021	Protectiveness Deferred
04	FL	AIRCO PLATING CO.	Statutory	08/31/2021	2021	Short-Term Protective
04	FL	AMERICAN CREOSOTE WORKS, INC. (PENSACOLA PLANT)	Statutory	08/26/2021	2021	Will be Protective
04	FL	CABOT/KOPPERS	Statutory	04/28/2021	2021	Will be Protective
04	FL	FLASH CLEANERS	Statutory	06/21/2021	2021	Protective
04	FL	FLORIDA STEEL CORP.	Statutory	08/04/2021	2021	Short-Term Protective
04	FL	HELENA CHEMICAL CO. (TAMPA PLANT)	Statutory	04/13/2021	2021	Protectiveness Deferred
04	FL	HOLLINGSWORTH SOLDERLESS TERMINAL	Policy	09/30/2021	2021	Protectiveness Deferred
04	FL	NORMANDY PARK APARTMENTS	Statutory	08/10/2021	2021	Short-Term Protective
04	FL	PETROLEUM PRODUCTS CORP.	Statutory	11/12/2020	2021	Short-Term Protective
04	FL	PICKETTVILLE ROAD LANDFILL	Statutory	05/26/2021	2021	Protective
04	FL	REEVES SOUTHEASTERN GALVANIZING CORP.	Statutory	08/27/2021	2021	Protective
04	FL	SCHUYLKILL METALS CORP.	Statutory	08/13/2021	2021	Short-Term Protective
04	FL	SOLITRON DEVICES INC	Policy	08/27/2021	2021	Short-Term Protective
04	FL	SYDNEY MINE SLUDGE PONDS	Policy	04/13/2021	2021	Protective
04	FL	WINGATE ROAD MUNICIPAL INCINERATOR DUMP	Statutory	09/30/2021	2021	Protective
04	FL	ZELLWOOD GROUND WATER CONTAMINATION	Statutory	07/16/2021	2021	Short-Term Protective
04	GA	CEDARTOWN INDUSTRIES, INC.	Statutory	07/16/2021	2021	Short-Term Protective
04	GA	CEDARTOWN MUNICIPAL LANDFILL	Statutory	09/07/2021	2021	Short-Term Protective
04	GA	DIAMOND SHAMROCK CORP. LANDFILL	Policy	09/28/2021	2021	Short-Term Protective
04	GA	FIRESTONE TIRE & RUBBER CO. (ALBANY PLANT)	Statutory	09/22/2021	2021	Short-Term Protective
04	GA	HERCULES 009 LANDFILL	Statutory	08/31/2021	2021	Short-Term Protective
04	KY	GREEN RIVER DISPOSAL, INC.	Statutory	09/29/2021	2021	Short-Term Protective
04	KY	NATIONAL SOUTHWIRE ALUMINUM CO.	Statutory	09/30/2021	2021	Short-Term Protective
04	KY	SMITH'S FARM	Statutory	09/30/2021	2021	Short-Term Protective
04	MS	CHEMFAX, INC.	Policy	02/18/2021	2021	Short-Term Protective
04	MS	FLOWOOD SITE	Statutory	04/13/2021	2021	Short-Term Protective
04	NC	BARBER ORCHARD	Statutory	09/21/2021	2021	Protectiveness Deferred
04	NC	CAPE FEAR WOOD PRESERVING	Policy	09/30/2021	2021	Short-Term Protective
04	NC	CELANESE CORP. (SHELBY FIBER OPERATIONS)	Statutory	09/28/2021	2021	Short-Term Protective
04	NC	FCX, INC. (STATESVILLE PLANT)	Statutory	08/30/2021	2021	Short-Term Protective
04	NC	FLANDERS FILTERS INC	Policy	09/28/2021	2021	Protective
04	NC	JADCO-HUGHES FACILITY	Statutory	08/04/2021	2021	Short-Term Protective
04	SC	BREWER GOLD MINE	Statutory	09/29/2021	2021	Short-Term Protective
04	SC	GOLDEN STRIP SEPTIC TANK SERVICE	Statutory	08/03/2021	2021	Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
04	SC	INDEPENDENT NAIL CO.	Statutory	08/27/2021	2021	Short-Term Protective
04	SC	ROCK HILL CHEMICAL CO.	Policy	09/14/2021	2021	Short-Term Protective
04	SC	SHURON INC.	Statutory	09/29/2021	2021	Protective
04	TN	MURRAY-OHIO DUMP	Statutory	09/29/2021	2021	Short-Term Protective
04	TN	VELSICOL CHEMICAL CORP. (HARDEMAN COUNTY)	Statutory	06/21/2021	2021	Short-Term Protective
05	IL	BELVIDERE MUNICIPAL LANDFILL	Statutory	12/01/2020	2020	Short-Term Protective
05	IL	H.O.D. LANDFILL	Statutory	12/30/2020	2020	Short-Term Protective
05	IN	AMERICAN CHEMICAL SERVICE, INC.	Statutory	09/30/2021	2021	Short-Term Protective
05	IN	CAM-OR INC.	Statutory	09/15/2021	2021	Protectiveness Deferred
05	IN	HIMCO DUMP	Statutory	09/13/2021	2021	Short-Term Protective
05	IN	LAKE SANDY JO (M&M LANDFILL)	Policy	07/26/2021	2021	Short-Term Protective
05	IN	LITTLE MISSISSINAWA RIVER	Statutory	01/05/2021	2021	Short-Term Protective
05	IN	PRESTOLITE BATTERY DIVISION	Statutory	09/15/2021	2021	Short-Term Protective
05	IN	U.S. SMELTER AND LEAD REFINERY, INC.	Statutory	08/24/2021	2022	Will be Protective
05	IN	WASTE, INC., LANDFILL	Statutory	06/01/2021	2021	Short-Term Protective
05	MI	AUTO ION CHEMICALS, INC.	Statutory	09/24/2021	2021	Short-Term Protective
05	MI	CHARLEVOIX MUNICIPAL WELL	Policy	08/02/2021	2021	Not Protective
05	MI	CLARE WATER SUPPLY	Statutory	09/23/2021	2021	Short-Term Protective
05	MI	ELECTROVOICE	Statutory	06/29/2021	2021	Short-Term Protective
05	MI	G&H LANDFILL	Statutory	04/22/2021	2021	Short-Term Protective
05	MI	J & L LANDFILL	Statutory	04/30/2021	2021	Short-Term Protective
05	MI	LOWER ECORSE CREEK DUMP	Statutory	01/21/2021	2021	Short-Term Protective
05	MI	MASON COUNTY LANDFILL	Statutory	12/14/2020	2021	Short-Term Protective
05	MI	WASH KING LAUNDRY	Statutory	09/29/2021	2021	Short-Term Protective
05	MN	EAST BETHEL DEMOLITION LANDFILL	Statutory	08/27/2021	2021	Short-Term Protective
05	MN	LEHILLIER/MANKATO	Statutory	09/30/2021	2021	Short-Term Protective
05	MN	MACGILLIS & GIBBS CO./BELL LUMBER & POLE CO.	Statutory		2021	
05	MN	PERHAM ARSENIC SITE	Statutory	07/23/2021	2021	Short-Term Protective
05	MN	REILLY TAR & CHEMICAL CORP. (ST. LOUIS PARK PLANT)	Statutory	06/14/2021	2021	Short-Term Protective
05	MN	SOUTH ANDOVER SITE	Statutory	09/22/2021	2021	Short-Term Protective
05	OH	CHEM-DYNE	Policy	09/09/2021	2020	Short-Term Protective
05	OH	COPLEY SQUARE PLAZA	Statutory	09/09/2021	2021	Short-Term Protective
05	OH	FORD RD IND LDFL	Statutory	08/16/2021	2021	Short-Term Protective
05	OH	INDUSTRIAL EXCESS LANDFILL	Statutory	04/30/2021	2021	Protectiveness Deferred
05	OH	OLD MILL	Statutory	09/16/2021	2021	Short-Term Protective
05	OH	PRISTINE, INC.	Statutory	07/13/2021	2021	Short-Term Protective
05	OH	SOUTH POINT PLANT	Statutory	04/09/2021	2021	Short-Term Protective
05	OH	UNITED SCRAP LEAD CO., INC.	Statutory	04/09/2021	2021	Protective
05	OH	ZANESVILLE WELL FIELD	Statutory	05/13/2021	2021	Short-Term Protective
05	WI	CITY DISPOSAL CORP. LANDFILL	Statutory	09/29/2021	2020	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
05	WI	HAGEN FARM	Statutory	07/15/2021	2021	Short-Term Protective
05	WI	HUNTS DISPOSAL LANDFILL	Statutory	08/27/2021	2021	Short-Term Protective
05	WI	JANESVILLE ASH BEDS	Statutory	06/24/2021	2021	Short-Term Protective
05	WI	JANESVILLE OLD LANDFILL	Statutory	06/24/2021	2021	Short-Term Protective
05	WI	N.W. MAUTHE CO., INC.	Statutory	05/13/2021	2021	Short-Term Protective
05	WI	RIPON CITY LANDFILL	Statutory	08/03/2021	2021	Short-Term Protective
05	WI	TOMAH ARMORY	Statutory	09/25/2021	2021	Short-Term Protective
05	WI	WPSC STEVENS POINT	Statutory	10/05/2020	2021	Short-Term Protective
05	WI	WPSC STEVENS POINT	Statutory	10/05/2020	2021	Short-Term Protective
06	AR	ARKWOOD, INC.	Statutory	09/28/2021	2021	Short-Term Protective
06	AR	OLD MIDLAND PRODUCTS	Statutory	09/21/2021	2021	Short-Term Protective
06	AR	OUACHITA NEVADA WOOD TREATER	Statutory	08/25/2021	2021	Short-Term Protective
06	AR	POPILE, INC.	Statutory	09/17/2021	2021	Short-Term Protective
06	LA	BAYOU BONFOUCA	Statutory	08/12/2021	2021	Short-Term Protective
06	LA	COMBUSTION, INC.	Statutory	05/17/2021	2021	Protective
06	LA	DUTCHTOWN TREATMENT PLANT	Statutory	03/16/2021	2021	Protective
06	LA	PETRO-PROCESSORS OF LOUISIANA, INC.	Policy	05/27/2021	2021	Protectiveness Deferred
06	NM	GRIGGS & WALNUT GROUND WATER PLUME	Statutory	08/11/2021	2021	Short-Term Protective
06	NM	HOMESTAKE MINING CO.	Policy	9/27/2021	2021	Protectiveness Deferred
06	OK	COMPASS INDUSTRIES (AVERY DRIVE)	Statutory	03/03/2021	2021	Protective
06	OK	TENTH STREET DUMP/JUNKYARD	Statutory	12/28/2020	2021	Short-Term Protective
06	TX	ALCOA (POINT COMFORT)/LAVACA BAY	Statutory	08/02/2021	2021	Short-Term Protective
06	TX	CRYSTAL CITY AIRPORT	Statutory	06/08/2021	2021	Protective
06	TX	GULFCO MARINE MAINTENANCE	Statutory	09/08/2021	2021	Short-Term Protective
06	TX	KOPPERS CO., INC. (TEXARKANA PLANT)	Statutory	09/16/2021	2021	Short-Term Protective
06	TX	ODESSA CHROMIUM #1	Statutory	09/20/2021	2021	Short-Term Protective
06	TX	PETRO-CHEMICAL SYSTEMS, INC. (TURTLE BAYOU)	Statutory	09/15/2021	2021	Short-Term Protective
06	TX	SIKES DISPOSAL PITS	Policy	09/08/2021	2021	Short-Term Protective
06	TX	TRIANGLE CHEMICAL CO.	Statutory	06/29/2021	2021	Protective
07	IA	MIDWEST MANUFACTURING/NORTH FARM	Statutory	03/17/2021	2021	Short-Term Protective
07	IA	PEOPLES NATURAL GAS CO.	Statutory	12/01/2020	2021	Short-Term Protective
07	IA	RAILROAD AVENUE GROUNDWATER CONTAMINATION	Policy	08/09/2021	2021	Protective
07	IA	RALSTON	Statutory	6/28/2021	2021	Short-Term Protective
07	KS	CHEMICAL COMMODITIES, INC.	Statutory	09/24/2021	2021	Short-Term Protective
07	KS	DOEPKE DISPOSAL (HOLLIDAY)	Statutory	12/08/2020	2021	Short-Term Protective
07	KS	OBEE ROAD	Statutory	12/08/2020	2021	Short-Term Protective
07	KS	STROTHER FIELD INDUSTRIAL PARK	Statutory	09/27/2021	2021	Protectiveness Deferred

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
07	NE	HASTINGS GROUND WATER CONTAMINATION	Statutory	09/07/2021	2021	Protectiveness Deferred
07	NE	OGALLALA GROUND WATER CONTAMINATION	Statutory	09/21/2021	2021	Short-Term Protective
08	CO	BRODERICK WOOD PRODUCTS	Statutory	07/26/2021	2021	Protectiveness Deferred
08	CO	MARSHALL LANDFILL	Statutory	08/16/2021	2021	Short-Term Protective
08	CO	SMELTERTOWN SITE	Statutory	12/22/2020	2021	Protectiveness Deferred
08	MT	EAST HELENA SITE	Statutory	07/21/2021	2021	Will be Protective
08	MT	MILLTOWN RESERVOIR SEDIMENTS	Statutory	08/05/2021	2021	Will be Protective
08	MT	SILVER BOW CREEK/BUTTE AREA	Statutory	08/30/2021	2021	Will be Protective
08	ND	MINOT LANDFILL	Statutory	07/29/2021	2021	Short-Term Protective
08	UT	KENNECOTT (SOUTH ZONE)	Statutory	08/09/2021	2021	Short-Term Protective
08	UT	OGDEN RAILROAD YARD	Statutory	7/29/2021	2021	Protective
08	UT	PETROCHEM RECYCLING CORP./EKOTEK PLANT	Statutory	09/23/2021	2021	Protective
08	UT	UTAH POWER & LIGHT/AMERICAN BARREL CO.	Policy	09/23/2021	2021	Protectiveness Deferred
09	AZ	HASSAYAMPA LANDFILL	Statutory	09/07/2021	2021	Protective
09	AZ	INDIAN BEND WASH AREA	Statutory	09/27/2021	2021	Short-Term Protective
09	AZ	MOTOROLA, INC. (52ND STREET PLANT)	Statutory	09/16/2021	2021	Protective
09	CA	AEROJET GENERAL CORP.	Statutory	09/15/2021	2021	Short-Term Protective
09	CA	ATLAS ASBESTOS MINE	Statutory	09/15/2021	2021	Short-Term Protective
09	CA	BROWN & BRYANT, INC. (ARVIN PLANT)	Statutory	09/15/2021	2021	Short-Term Protective
09	CA	COALINGA ASBESTOS MINE	Statutory	09/15/2021	2021	Short-Term Protective
09	CA	COAST WOOD PRESERVING	Statutory	09/17/2021	2021	Protective
09	CA	COOPER DRUM CO.	Statutory	09/29/2021	2015	Short-Term Protective
09	CA	LAVA CAP MINE	Statutory	09/13/2021	2021	Short-Term Protective
09	CA	PACIFIC COAST PIPELINE	Statutory	08/30/2021	2021	Short-Term Protective
09	CA	PURITY OIL SALES, INC.	Statutory	09/17/2021	2021	Short-Term Protective
09	CA	SAN GABRIEL VALLEY (AREA 1)	Statutory	09/21/2021	2021	Short-Term Protective
09	CA	SAN GABRIEL VALLEY (AREA 4)	Statutory	09/23/2021	2021	Will be Protective
09	CA	SELMA PRESSURE TREATING COMPANY	Statutory	09/28/2021	2021	Short-Term Protective
09	CA	STRINGFELLOW	Statutory	09/27/2021	2021	Protective
09	CA	UNITED HECKATHORN CO.	Statutory	09/23/2021	2021	Not Protective
09	CA	WESTINGHOUSE ELECTRIC CORP. (SUNNYVALE PLANT)	Statutory	09/23/2021	2021	Short-Term Protective
10	ID	BUNKER HILL MINING & METALLURGICAL COMPLEX	Statutory	09/30/2021	2021	Will be Protective
10	OR	MCCORMICK & BAXTER CREOSOTING CO. (PORTLAND PLANT)	Statutory	09/28/2021	2021	Short-Term Protective
10	OR	NORTH RIDGE ESTATES	Statutory	06/02/2021	2021	Protective
10	OR	NORTHWEST PIPE & CASING/HALL PROCESS COMPANY	Statutory	09/08/2021	2021	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination^a
10	WA	OESER CO.	Statutory	08/27/2021	2021	Protectiveness Deferred
10	WA	SPOKANE JUNKYARD/ASSOCIATED PROPERTIES	Policy	09/29/2021	2021	Protective

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

Non-FF FYRs Not Yet Complete in FY 2021
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Region	State	Site Name	FYR Type	Fiscal Year Due
05	MN	MACGILLIS & GIBBS CO./BELL LUMBER & POLE CO.	Statutory	2021

Attachment 2

Fiscal Year 2021 Superfund Five-Year Review Report to Congress: *Five-Year Reviews at Federal Facility National Priorities List Sites*

FF FYRs Completed in FY 2021

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination ^a
01	MA	FORT DEVENS-SUDBURY TRAINING ANNEX	Statutory	09/24/2021	2021	Short-Term Protective
01	MA	MATERIALS TECHNOLOGY LABORATORY (USARMY)	Statutory	03/18/2021	2021	Protective
02	NJ	NAVAL AIR ENGINEERING CENTER	Statutory	08/31/2021	2021	Protective
02	NJ	PICATINNY ARSENAL (USARMY)	Statutory	08/24/2021	2021	Protectiveness Deferred
02	NY	BROOKHAVEN NATIONAL LABORATORY (USDOE)	Statutory	08/06/2021	2021	Short-Term Protective
02	NY	SENECA ARMY DEPOT	Statutory	08/17/2021	2021	Protective
03	DC	WASHINGTON NAVY YARD	Statutory	09/20/2021	2021	Short-Term Protective
03	MD	ANDREWS AIR FORCE BASE	Statutory	06/05/2021	2021	Protectiveness Deferred
03	MD	BRANDYWINE DRMO	Statutory	06/05/2021	2021	Protectiveness Deferred
03	MD	FORT GEORGE G. MEADE	Statutory	09/20/2021	2021	Protectiveness Deferred
03	MD	FORT GEORGE G. MEADE	Statutory	09/27/2021	2021	Protectiveness Deferred
03	VA	LANGLEY AIR FORCE BASE/NASA LANGLEY RESEARCH CENTER	Statutory	09/21/2021	2021	Short-Term Protective
03	VA	NORFOLK NAVAL SHIPYARD	Statutory	08/23/2021	2021	Short-Term Protective
03	WV	WEST VIRGINIA ORDNANCE (USARMY)	Statutory	09/15/2021	2021	Protectiveness Deferred
04	FL	JACKSONVILLE NAVAL AIR STATION	Statutory	07/21/2021	2021	Short-Term Protective
04	FL	USN AIR STATION CECIL FIELD	Statutory	09/17/2021	2021	Short-Term Protective
04	FL	WHITING FIELD NAVAL AIR STATION	Statutory	09/24/2021	2021	Protective
04	GA	MARINE CORPS LOGISTICS BASE	Statutory	09/28/2021	2021	Short-Term Protective
04	GA	ROBINS AIR FORCE BASE (LANDFILL #4/SLUDGE LAGOON)	Statutory	07/14/2021	2021	Protective
04	SC	SAVANNAH RIVER SITE (USDOE)	Statutory	11/19/2020	2021	Protective
05	IL	SANGAMO ELECTRIC DUMP/CRAB ORCHARD NATIONAL WILDLIFE REFUGE (USDOI)	Statutory	09/30/2021	2021	Short-Term Protective
05	OH	FEED MATERIALS PRODUCTION CENTER (USDOE)	Statutory	09/08/2021	2021	Short-Term Protective
05	OH	MOUND PLANT (USDOE)	Statutory	09/13/2021	2021	Short-Term Protective

Region	State	Site Name	FYR Type	Date Completed	Fiscal Year Due	Protectiveness Determination^a
05	OH	WRIGHT-PATTERSON AIR FORCE BASE	Statutory	12/04/2020	2021	Protectiveness Deferred
06	LA	LOUISIANA ARMY AMMUNITION PLANT	Statutory	08/25/2021	2021	Protectiveness Deferred
06	TX	LONE STAR ARMY AMMUNITION PLANT	Statutory	09/29/2021	2021	Short-Term Protective
07	IA	IOWA ARMY AMMUNITION PLANT	Statutory	03/10/2021	2021	Protectiveness Deferred
07	MO	WELDON SPRING QUARRY/PLANT/PITS (USDOE/ARMY)	Statutory	09/21/2021	2021	Short-Term Protective
08	CO	ROCKY MOUNTAIN ARSENAL (USARMY)	Statutory	09/28/2021	2021	Protective
09	AZ	WILLIAMS AIR FORCE BASE	Statutory	09/30/2021	2021	Protectiveness Deferred
09	CA	ALAMEDA NAVAL AIR STATION	Policy	09/29/2021	2021	Short-Term Protective
09	CA	ALAMEDA NAVAL AIR STATION	Statutory	09/24/2021	2021	Will be Protective
09	CA	CONCORD NAVAL WEAPONS STATION	Statutory	09/30/2021	2021	Short-Term Protective
09	CA	EDWARDS AIR FORCE BASE	Statutory	09/27/2021	2021	Short-Term Protective
09	CA	GEORGE AIR FORCE BASE	Statutory	09/28/2021	2021	Protectiveness Deferred
09	CA	LABORATORY FOR ENERGY-RELATED HEALTH RESEARCH/OLD CAMPUS LANDFILL (USDOE)	Statutory	08/19/2021	2021	Protective
09	CA	LAWRENCE LIVERMORE NATL LAB (SITE 300) (USDOE)	Statutory	09/29/2021	2021	Short-Term Protective
09	CA	RIVERBANK ARMY AMMUNITION PLANT	Statutory	09/24/2021	2021	Protectiveness Deferred
09	GU	ANDERSEN AIR FORCE BASE	Statutory	07/09/2021	2019	Short-Term Protective
10	AK	FORT WAINWRIGHT	Statutory	09/23/2021	2021	Protectiveness Deferred
10	ID	IDAHO NATIONAL ENGINEERING LABORATORY (USDOE)	Statutory	02/03/2021	2021	Will be Protective
10	ID	MOUNTAIN HOME AIR FORCE BASE	Statutory	09/17/2021	2021	Short-Term Protective
10	WA	BANGOR NAVAL SUBMARINE BASE	Statutory	09/30/2021	2021	Short-Term Protective
10	WA	BANGOR ORDNANCE DISPOSAL (USNAVY)	Statutory	09/30/2021	2021	Short-Term Protective
10	WA	JACKSON PARK HOUSING COMPLEX (USNAVY)	Statutory	09/30/2021	2021	Short-Term Protective
10	WA	NAVAL UNDERSEA WARFARE ENGINEERING STATION (4 WASTE AREAS)	Statutory	09/30/2021	2021	Not Protective

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

**Five-Year Reviews at Federal Facility National Priorities List Sites:
Independent Finding of Protectiveness**

The information included below is for FF FYRs, completed in FY 2021, when the other Federal agency or department has either not submitted a final report by the statutory due date; or when the report submitted is technically inaccurate; or when EPA disagrees with the other Federal agency’s protectiveness statement. The information in this table refers to EPA’s “independent finding of protectiveness” for FF FYRs in these unique circumstances.¹

The table below includes additional information for the FY 2021 FYRs where EPA made an independent finding of protectiveness.

Independent Finding of Protectiveness for FF FYRs Completed in FY 2021			
Site	Lead Federal Agency	Protectiveness Determination by the EPA	Reason for Independent Finding of the Protectiveness
R3- Andrews Air Force Base, MD	Air Force	Protectiveness Deferred	The Air Force (Lead Federal Agency) did not address several of EPA’s critical comments and did not submit the final report to EPA by the statutory due date.
R3- Brandywine DRMO, MD	Air Force	Protectiveness Deferred	The Air Force (Lead Federal Agency) did not submit a report to EPA for review by the statutory due date.
R3- Fort George G. Meade, MD (Installation Restoration Program Parcels)	Army	Protectiveness Deferred	The Army (Lead Federal Agency) did not submit a report to EPA for review by the statutory due date (9/27/2021).
R3- Fort George G. Meade, MD (BRAC Parcels)	Army	Protectiveness Deferred	The Army (Lead Federal Agency) submitted a draft report to EPA for review. The draft report did not include a technical assessment for the High Explosives Impact Area and therefore the report was inadequate (9/20/2021).
R3- West Virginia Ordnance (USARMY), WV	Army	Protectiveness Deferred	The Army (Lead Federal Agency) submitted a draft report to EPA and the State of West Virginia for review. The Army provided insufficient information to determine protectiveness for Operable Units (OU) 1 and 2.
R4- USN Air Station Cecil Field, FL	Navy	Short-Term Protective	The Navy (Lead Federal Agency) submitted a draft report to EPA and the state of Florida for review. The Navy issued a final report that did not consider EPA’s comments. EPA agrees with the

¹ Section 2.5 of the 2001 Comprehensive Five-Year Review Guidance states that for Federal facility sites that are listed on the NPL, per EO 12580, “...five-year reviews are conducted by the Federal agency or department that has jurisdiction, custody, or control, but EPA retains final authority over whether the five-year reviews adequately address the protectiveness of remedies. EPA will either concur with the final Federal agency or department protectiveness determination, or EPA may provide independent findings.”

Site	Lead Federal Agency	Protectiveness Determination by the EPA	Reason for Independent Finding of the Protectiveness
			Navy's protectiveness determination for each OU and has identified other issues that affect long term protectiveness.
R5- Sangamo Electric Dump/Crab Orchard National Wildlife Refuge (USDOJ), IL Explosive Manufacture Area Operable Unit- OU3	US Army Corps of Engineers (USACE)	Short-Term Protective	The USACE (Lead Federal Agency) submitted a draft report to EPA and the State of Illinois for review. The draft report did not address EPA's comments regarding the durability of the Land Use Controls and the potential contamination of 1, 4 dioxane.
R6- Louisiana Army Ammunition Plant, LA	Army	Protectiveness Deferred	The Army (Lead Federal Agency) did not submit a report to EPA or the State of Louisiana for review by the statutory due date.
R6- Lone Star Army Ammunition Plant, TX	Army	Short-Term Protective	The Army (Lead Federal Agency) submitted a draft report to EPA and the State of Texas for review. The draft report did not address EPA's comments related to the use of land use controls and the risk assessment re-evaluation.
R9- Williams Air Force Base, AZ	Air Force	Protectiveness Deferred	The Air Force (Lead Federal Agency) did not submit a draft report to EPA and the State of Arizona by the statutory due date.
R9- George Air Force Base, CA	Air Force	Protectiveness Deferred	The Air Force (Lead Federal Agency) did not submit a draft report to EPA and the State of California for review by the statutory due date.
R10- Ft Wainwright, AK	Army	Protectiveness Deferred	The Army (Lead Federal Agency) submitted a draft report to EPA and the State of Alaska for review. EPA did not agree with the Army's protectiveness determination for several OUs related to the presence of PFAS contamination and the use of Institutional Controls.
R10- Bangor Naval Submarine Base, WA	Navy	Short-Term Protective	The Navy (Lead Federal Agency) determined that all the OUs were protective. EPA did not agree with the Navy's protectiveness determination for OU 1, OU 2 and OU 8 due to the lack of consideration for the potential for PFAS contamination. EPA issued an independent finding of short-term protectiveness.

Site	Lead Federal Agency	Protectiveness Determination by the EPA	Reason for Independent Finding of the Protectiveness
R10- Naval Undersea Warfare Engineering Station (4 Waste Areas), WA	Navy	Not Protective	The Navy (Lead Federal Agency) submitted a draft report for EPA and the State of Washington for review. EPA did not agree with the Navy's protectiveness determination for OU 1 due to the presence of 1,4 dioxane and PFAS contamination in the groundwater and issued an independent finding of protectiveness deferred.

Attachment 3

Fiscal Year 2021 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.