DEPARTMENT OF THE ARMY
US ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, U.S. ARMY GARRISON FORT MEADE
4551 LLEWELLYN AVENUE
FORT GEORGE G. MEADE, MARYLAND 20755-5000

June 11, 2025

Environmental Division

Mr. Robert Stroud
NPL/BRAC/Federal Facilities Branch
U.S. Environmental Protection Agency
701 Mapes Road
Fort Meade, Maryland 20755

Dear Mr. Stroud:

In accordance with the 2009 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) § 120 Federal Facility Agreement (FFA) for Fort George G. Meade, please find enclosed the Draft 2025 Site Management Plan (SMP) Annual Update.

Copies of the Draft 2025 SMP Annual Update have been electronically furnished to Burl Keller (Architect of the Capitol), Tarik Adams (Department of Interior, Patuxent Research Refuge), Patrick Pence (Maryland Department of the Environment), Jenny Herman (U.S. Army Environmental Command), Shelly Morris (U.S. Army Corps of Engineers), Michael Wassel (Tipton Airport Authority), and the Fort George G. Meade Restoration Advisory Board.

Please direct any comments or questions within 30 days of receipt to erin.l.geiger2.civ@army.mil for Installation sites and to ian.m.thomas2.civ@army.mil for Legacy BRAC sites.

Sincerely,

Erin Geiger
Program Manager, Installation Restoration Program
Directorate of Public Works Environmental Division

Ian M. Thomas
Program Manager, BRAC, ISE
Office of the Deputy Chief of Staff G-9

Enclosure

Draft

Site Management Plan

2025

Fort George G. Meade, MD

June 2025

Prepared for:

US Army Corps of Engineers
Baltimore District

2 Hopkins Plaza
Baltimore, MD 21201

Prepared by:

NDN-Sundance JV Alliance, LLC

3740 St. Johns Bluff Road S, Ste 10
Jacksonville, FL 32224-2649

Contract Number: W912DR-23-C-0008
Delivery Order Number: W912DR23R0023

DRAFT
SITE MANAGEMENT PLAN
2025 ANNUAL UPDATE

FORT GEORGE G. MEADE
FORT MEADE, MARYLAND

Prepared for:

United States Army Corps of Engineers
Baltimore District
2 Hopkins Plaza
Baltimore, MD 21201

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NDN-Sundance JV Alliance, LLC
3740 St. Johns Bluff Road S Suite 10
Jacksonville, Florida 32224

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ACRONYMS AND ABBREVIATIONS

AEDB-R	Army Environmental Database-Restoration
Anon.	anonymous
AOC	area of concern
AOI	area of interest
AS/SVE	air sparge/soil vapor extraction system
AST	above-ground storage tank
ASP	Ammunition Supply Point
AWG HQ	Asymmetric Warfare Group Headquarters
BCM	BCM Engineers, Inc.
BRAC	Base Realignment and Closure
BTEX	benzene, toluene, ethylbenzene, and xylenes
CAIS	chemical agent identification set
CAP	Corrective Action Plan
CCl_4	carbon tetrachloride
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFD	Clean Fill Dump
COC	chemicals of concern
CS	ortho-chlorobenzylidene malononitrile
CSA	Comprehensive Site Assessment
CSF	Covered Storage Facility
CSL	Closed Sanitary Landfill (formerly the Active Sanitary Landfill)
DoD	Department of Defense
DOL	Department of Logistics
DPDO	Defense Property Disposal Office
DPT	direct-push technology
DPW	Directorate of Public Works
DRMO	Defense Reutilization and Marketing Office
EBS	Environmental Baseline Survey
EE/CA	Engineering Evaluation/Cost Analysis
EIS	Environmental Impact Statement
EMO	Environmental Management Office
EPA	United States Environmental Protection Agency
ERD	enhanced reductive dechlorination
ESD	Explanation of Significant Difference
ESI	Expanded Site Inspection
FESI	Focused Enhanced Site Investigation
FFA	Federal Facility Agreement
FFS	Focused Feasibility Study
FGGM	Fort George G. Meade
FS	Feasibility Study
FTA	Fire Training Area
FY	fiscal year

ACRONYMS AND ABBREVIATIONS (CONTINUED)

HEI	High Explosive Impact and Disposal
HHA	Helicopter Hangar Area
HHRA	Human Health Risk Assessment
HI	hazard index
IAL	Inactive Landfill
IAP	Installation Action Plan
IRA	Interim Removal Action
IRACR	Interim Remedial Action Completion Report
IRAR	Interim Removal Action Report
IROD	Interim Record of Decision
IRP	Installation Restoration Program
KACC	Kimbrough Ambulatory Care Center
LPA	Lower Patapsco Aquifer
LPH	liquid petroleum hydrocarbon
LTGM	long-term groundwater monitoring
LTM	long-term monitoring
LTMP	Long-Term Monitoring Plan
LUC	land use control
LUCRD	Land Use Control Remedial Design
MC	munitions constituents
MD	munitions debris
MCL	Maximum Contaminant Level
MCPA	2-methyl-4-chlorophenoxyacetic acid
MCPP	methylchlorophenoxypropionic acid
MDE	State of Maryland Department of the Environment
MEC	Munitions and Explosives of Concern
MGS	Maryland Geological Society
MMRP	Military Munitions Response Program
MNA	monitored natural attenuation
MP	Motor Pool
MRA	Munitions Response Area
MRS	Munitions Response Site
MTBE	methyl tert-butyl ether
MW	monitoring well
NFA	no further action
NPL	National Priorities List
NSA	National Security Agency
NT	North Track
NTCRA	Non-Time Critical Removal Action
No.	number
OCP	Oil Control Program
ODA	Ordnance Demolition Area

ACRONYMS AND ABBREVIATIONS (CONTINUED)

OE	ordnance and explosive
OU	Operable Unit
OWS	oil/water separator
PA	Preliminary Assessment
PAH	polycyclic aromatic hydrocarbon
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PFAS	per-and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PID	photoionization detector
POL	petroleum, oil, and lubricants
PP	Proposed Plan
PRR	Patuxent Research Refuge
PRR-NT	Patuxent Research Refuge-North Track
RACR	Response Action Completion Report
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operation)
RAO	Remedial Action Objective
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan
RBC	risk-based concentrations
RC	Response Complete
RCA	Riot Control Agent
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RDX	Cyclotrimethylene trinitramine
RFA	Resource Conservation and Recovery Act Facility Assessment
RI	Remedial Investigation
RIP	Remedy in Place
ROD	Record of Decision
RSL	Regional Screening Level
SI	Site Inspection
SMP	Site Management Plan
SSI	Supplemental Site Investigation
STSO	Stained Soils along 3rd Street
SVOC	semivolatile organic compound
SWMU	Solid Waste Management Unit
TAP	Tipton Airfield Parcel
TCE	trichloroethene
TMP	Transportation Motor Pool
TNT	trinitrotoluene

ACRONYMS AND ABBREVIATIONS (CONTINUED)

TPH	total petroleum hydrocarbons
TPH-DRO	total petroleum hydrocarbons – diesel range organics
TPH-GRO	total petroleum hydrocarbons – gasoline range organics
U.S.	United States
URS	URS Group, Inc.
USACHPPM	United States Army Center for Health Promotion and Preventive Medicine
USAEC	United States Army Environmental Command
USACE	United States Army Corps of Engineers
USAOC	United States Architect of the Capitol
USDOI	United States Department of the Interior
USEPA	United States Environmental Protection Agency
UST	underground storage tank
UXO	unexploded ordnance
Versar	Versar, Inc.
VOC	volatile organic compound
WR	Wash Rack
WWI	World War I
WWII	World War II

NOTES

The format of this annual update of the Site Management Plan (SMP) is consistent with previous annual updates. Minor changes have been made to text, tables, and figures, as appropriate, to incorporate updated information for the areas of interest (AOIs) on Fort George G. Meade since the prior update in 2024.

The United States (U.S.) Environmental Protection Agency's (USEPA) Soil and Groundwater Regional Screening Levels (RSLs) are the default action levels for most sites at the installation. RSLs were historically identified as risk-based concentrations (RBCs); both acronyms are used interchangeably throughout this document. Older studies reference the RBCs, and that term is used in this SMP to be consistent with the source document.

The Army Environmental Database-Restoration (AEDB-R) number (an area of interest designation beginning with FGGM) has been changed to the Headquarters Army Environmental System, which has its own numbering system. However, to be consistent with source documents, this SMP uses the AEDB-R number.

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1 INTRODUCTION

This document is the 2025 Fiscal Year (FY25) SMP Annual Update for FGGM, or installation, located in Anne Arundel County, Maryland (MD). Overall coordination of the SMP update and contract management were provided by the U.S. Army Corps of Engineers (USACE)-Baltimore District. This work is being performed under USACE-Baltimore District contract W912DR-23-C-0008, Delivery Order W912DR23R0023 with NDN-Sundance JV Alliance, LLC.

The purpose of the SMP is to summarize the status and planned activities, and to project long-term progress for each known area of interest (AOI) at the installation in support of the Federal Facility Agreement (FFA). The SMP and annual updates are a requirement of the FFA.

In 2009, FGGM signed the FFA along with the USEPA, U.S. Department of the Interior (USDOI), and U.S. Architect of the Capitol (USAOC). The FFA establishes the role that FGGM and the USEPA each play in the restoration of the installation and the formal mechanisms of this process. The Installation Restoration Program's (IRP's) staff works closely with the USEPA, Maryland Department of the Environment (MDE), and local government agencies to ensure that cleanup processes are conducted properly and efficiently. The staff also receives input from community groups and nearby residential areas.

1.1 OVERVIEW OF THE SITE MANAGEMENT PLAN

The SMP is a management tool for planning, reviewing, and setting priorities for all remedial response activities to be conducted at the installation. This SMP includes all known AOIs at FGGM. Most of these AOIs have undergone previous environmental investigations, and several have undergone or are undergoing response actions. Proposed environmental cleanup responses, actions, schedules, and milestones for response actions are included in this SMP.

The AOIs listed in the SMP were compiled from many sources. Principal sources include information from the FGGM Directorate of Public works (DPW)-Environmental Division (ED) Preliminary Assessment/Site Inspection (PA/SI) (URS Group, Inc. [URS] 2015a, 2015b, 2015c, 2015d), and Installation Action Plans (IAPs) (FGGM 2006, 2007, 2008, 2009, 2010, 2011, 2013, 2023, and 2024).

Numerous AOIs at FGGM have changed names, designations, or have acquired additional designations over time. To aid the reader in locating a specific AOI, Table 1-1 presents a Crosswalk of Environmental AOIs... Table 1-1 provides the following, as applicable, for each AOI:

- Operable Unit (OU) number
- AEDB-R number [a designation beginning with FGGM]
- Solid Waste Management Unit (SWMU) number
- Building number
- Site identifier (how the site is commonly referred to, such as the Clean Fill Dump (CFD) or the Pesticide Shop Building)
- Status (open or closed)

1.2 OBJECTIVES OF THE SITE MANAGEMENT PLAN

The objective of the SMP is to provide the status of each AOI in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process for all response actions at FGGM, including AOIs that fall under the IRP, Base Realignment and Closure (BRAC), and Military Munitions Response Program (MMRP). The SMP includes a history of the AOI evaluated by the

FGGM Environmental Partnership in 2003 and 2004. The Fort Meade Environmental Partnership was a consortium consisting of the USEPA, MDE, USACE, FGGM, U.S. Army Environmental Command (USAEC), and the Military District of Washington. The Fort Meade Environmental Partnership met to "…collaboratively plan, document, and implement environmental investigations and cleanups (FGGM 1999)." Factors supporting past decisions are discussed in appropriate detail to explain the rationale for site-specific actions and recommendations.

This SMP presents the rationale for future investigations and remediation activities and the estimated FY schedule to complete these activities. The use of this SMP facilitates annual adjustments in scheduled activities for reasons such as Federal budget constraints, changes in scope of investigation/ remediation activities, or other unanticipated events, without modifying the FFA. For each AOI, this SMP includes:

1. All identified AOI names
2. Proposed environmental cleanup responses, actions, and schedules for response actions
3. Deadlines for the submittal of primary documents covering the current fiscal year
4. Any primary actions identified regarding the following:
    a. Deadlines
    b. Near-term milestones
    c. Out-year milestones
    d. Target dates
    e. Project end dates

1.3 SITE MANAGEMENT PLAN UPDATES

The SMP is updated annually to reflect revised priorities as work progresses and additional information becomes available. This document is the 2025 annual update of the SMP. Letters of acceptance from the USEPA for the 2009 – 2024 annual SMP submittals are included in Appendix A.

1.4 INSTALLATION DESCRIPTION

1.4.1 INSTALLATION LOCATION AND GEOMORPHOLOGY

The U.S. Army Garrison Fort Meade is in Anne Arundel County, MD, along the Little Patuxent and Patuxent Rivers, midway between Baltimore, MD, and Washington, DC, and is shown on the Regional Location Map (Figure 1-1). Figure 1-2 presents the FGGM jurisdictional boundary map. The BRAC parcel is located south of the installation. The community of Odenton, MD, borders the eastern edge of FGGM. In general, the topography of FGGM is flat and gently slopes toward scattered water bodies throughout the installation. Local small-scale variations in elevation are abundant. Much of the installation topography has been altered by development.

1.4.2 INSTALLATION HISTORY

FGGM began operation in 1917 as Camp Meade (Maryland Geological Society [MGS] 1917), a 4,000-acre World War I (WWI) training facility. Training activities included infantry combat operations. The U.S. Army Tank School operated at the facility from 1918 to 1932 (FGGM 2014). The facility was renamed Fort George G. Meade in 1928. In 1941, the facility was expanded to 13,596 acres to accommodate the additional training requirements of World War II (WWII).

In 1988, under BRAC, ranges and similar training areas were identified for closure. To date, 8,100 acres have been transferred to the USDOI Patuxent Research Refuge (PRR) for use as a wildlife

refuge: 7,600 acres in October 1991 and 500 acres in January 1993 as part of Defense Appropriation Bills for 1991 and 1992, respectively (FGGM 2014).

The Army retained 900 acres of the BRAC parcel, which included the 366-acre Tipton Airfield Parcel (TAP). The Army began leasing the TAP to Anne Arundel County for use as a General Aviation Facility in 1998 and officially transferred the property to Anne Arundel County Tipton Airfield Authority on 1 November 1999 (FGGM 2014).

After the 1988 BRAC realignment, the installation covered 5,067 acres (FGGM 2008). The current installation boundaries encompass the area previously referred to as the cantonment area, which is used for administrative, recreational, and housing facilities. FGGM contains approximately 65.5 miles of paved roads, 3.3 miles of secondary roads, and about 1,300 buildings (FGGM 2014).

FGGM's mission is to provide installation operations support for facilities and infrastructure, and quality of life and protective services in support of Department of Defense (DoD) activities and Federal agencies. The wide range of support is provided to 116 partner organizations from all four DoD military services, Homeland Security, and several Federal agencies. Major tenant units include the National Security Agency (NSA), the Defense Information School, Joint Field Support Center–U.S. Army Intelligence Security Command, the 70th Intelligence Wing (Air Force), the 902nd Military Intelligence Group (Army), Defense Information Systems Agency, Defense Media Agency, and USEPA Research Laboratory.

1.5 NATIONAL PRIORITIES LISTING

The USEPA placed FGGM on the National Priorities List (NPL) on 28 July 1998, after an evaluation of contamination due to past storage and disposal of hazardous substances at the Defense Reutilization and Marketing Office (DRMO), Closed Sanitary Landfill (CSL), CFD, and Post Laundry Facility. Contaminants at these AOIs included solvents, pesticides, polychlorinated biphenyls (PCBs), heavy metals, waste fuels, and waste oils. The FGGM NPL includes the entire installation, from fence line to fence line. However, based on the Army's conclusion that all actions necessary to protect human health and the environment have been completed on the TAP, the EPA removed the TAP from the FGGM NPL listing on 1 November 1999.

1.6 INFORMATION REPOSITORIES

Fort Meade's environmental information can be found at FGGM's DPW- ED website: https://home.army.mil/meade/index.php/my-fort/all-services/environmental. The Administrative Record and the Information Repository are available at the FGGM DPW-ED office and at the Anne Arundel County Public Library – Odenton Regional Library.

1.7 REPORT ORGANIZATION

This report is organized into four main sections.

Section 1: Introduction. This section describes the regulatory framework, property identification, and background information.

Section 2: AOI Descriptions by Source Funding. This section provides the regulatory driver, contaminants of potential concern, media of concern, site location, site description, previous studies, current use, status, and the cleanup/exit strategy for each AOI. Section 2 is divided based on source funding and whether the AOI is open or closed and consists of eight subsections: IRP open AOI, MMRP open AOI, BRAC open AOI, Unassigned open AOI, IRP AOI designated for

no further action (NFA), MMRP AOI designated for NFA, BRAC AOI designated for NFA, and Unassigned AOI designated for NFA.

Section 3: Site Management Schedules. This section provides an FY schedule of projected CERCLA work phase and deliverables for each AOI.

Section 4: Bibliography. This section provides a list of source documents used to compile this SMP.

This SMP also includes Appendix A, which provides USEPA approval letters for submitted SMPs.

Table 1-1: Crosswalk of Environmental AOI at Fort Meade

AEDB-R Number	OU	SMP Section Number	SWMU Number	Building Number	AOI Identifier	Status
FGGM-03	OU-6	2.5.1	SWMU 129 and 130	Building 8688	Water Treatment Plant	CLOSED
FGGM-05	OU-2	2.5.2	SWMU 112, 113, and 114	Building 8481	Former Troop Boiler Plant	CLOSED
FGGM-07	OU-5	2.1.1			DRMO Drum Site	OPEN
FGGM-08	OU-7	2.1.2			Comp Ammunition Supply Point (ASP) Number (No.) 1	OPEN
FGGM-10	OU-8 TAP-OU	2.3.1			Inactive Landfill (IAL) 1 – TAP – BRAC; part of the TAP OU	OPEN
FGGM-11	OU-9	2.5.3		Building 73	Gas Training Building	CLOSED
FGGM-13	OU-10	2.1.3		Building 6621	Former Pesticide Shop Building	OPEN
FGGM-14	OU-11	2.5.4	SWMU 104	Building 6527	Control Hazardous Substance Storage Facility	CLOSED
FGGM-17	OU-12	2.1.4			CSL	OPEN
FGGM-17	OU-4	2.1.5.12			Monitoring Wells (MW) 125d and 126d	OPEN
FGGM-18	OU-13	2.5.5			ASP No. 2	CLOSED
FGGM-19	OU-14	2.5.6			Advanced Wastewater Treatment Facility	CLOSED
FGGM-20	OU-15	2.3.3			Ordnance Demolition Area (ODA) – BRAC	OPEN
FGGM-21	OU-16	2.7.1			Medical Waste Site – BRAC	CLOSED
FGGM-31	OU-17	2.3.4			IAL3; also includes IAL2, listed under FGGM-007-R-01	OPEN
FGGM-32	OU-18	2.3.9			Fire Training Area (FTA); part of TAP – BRAC	OPEN
FGGM-33	OU-19/ OU-4	2.1.5.1		Former Building 2283	Battery Shop	OPEN
FGGM-36	OU-20	2.5.7	SWMUs 105, 106, 107, and 108	Building 6530	Photographic Laboratory Building	CLOSED
FGGM-36	OU-20	2.5.8	Non-SWMU 10 and 11	Buildings 4552 and 4553	Administrative/Photographic Laboratory	CLOSED
FGGM-37	OU-21	2.5.9	SWMU 71	Building 2480	Kimbrough Ambulatory Care Center (KACC)	CLOSED
FGGM-45	OU-22/ OU-4	2.1.5.2	SWMU 42	Building 2220	Calibration Laboratory Building: both FGGM-45 and FGGM-91 are identified with Building 2220	OPEN

AEDB-R Number	OU	SMP Section Number	SWMU Number	Building Number	AOI Identifier	Status
FGGM-47	OU-4	2.1.5.3	SWMU 59, 60	Building 2250	Post Laundry Facility	OPEN
FGGM-49	OU-23/ OU-4	2.1.5.4		Buildings 2286 and 2246	Department of Logistics (DOL), Buildings 2286 (also under FGGM-86) and 2246 (also under FGGM-92)	OPEN
FGGM-51	OU-24/ OU-4	2.1.5.5		Building 2217	Spill Site, Former Building 2217	OPEN
FGGM-70	OU-25	2.5.10	SWMU 150	Building 6513	Indoor Range, Former Building 6513	CLOSED
FGGM-71	OU-26	2.5.11	SWMU 151 and 152	Building 6522	EX Indoor Range, Former Building 6522	CLOSED
FGGM-72	OU-27	2.7.2			Petroleum, Oil, and Lubricants (POL) Storage Tanks – TAP – BRAC	CLOSED
FGGM-73	OU-28	2.7.3		Buildings 85 and 90	Maintenance Shops Buildings 85 and 90 – BRAC	CLOSED
FGGM-74	OU-29	2.5.12	SWMU 1, 2, 3, 4, 5, 6, 7, 8, and 9	Buildings 71, 72, 72A	USAOC	CLOSED
FGGM-75	OU-30	2.5.13			Underground Storage Tanks (UST) Prior to 1984	CLOSED
FGGM-80	OU-32	2.7.4		Helicopter Hangar #90	Helicopter Hangar 90 – BRAC Helicopter Hangar Area (HHA)	CLOSED
FGGM-81	OU-33	2.3.5			CFD; (the CFD OU consists of the CFD and the Uncontrolled Waste Site, which is immediately south of the main dump. FGGM-001-R-01 is CFD/Munitions and Explosives of Concern [MEC].)	OPEN
FGGM-82	OU-34	2.7.5			Unexploded Ordnance (UXO) Removal – BRAC	CLOSED
FGGM-83	OU-1	2.1.6	SWMU 153 and 154	Former Buildings 2047 and 2046	Former Trap and Skeet Range, Former Buildings 2046 and 2047	OPEN
FGGM-85	OU-35	2.3.6			MEC TAP – BRAC	OPEN
FGGM-87	OU-3	2.1.7	SWMU 22, 23, 24, and 145	Buildings 1974, 1976, 1977, and 1978	Former Nike Fire Control Site	OPEN
FGGM-86	OU-3	2.1.5.6	SWMU 65, 66, 67, and 70	Building 2286 and former Buildings 2285 and 2290	Former Motor Pool (MP) Maintenance Facility	OPEN

AEDB-R Number	OU	SMP Section Number	SWMU Number	Building Number	AOI Identifier	Status
FGGM-88	OU-3 (continued)	2.1.5.7	SWMU 37	Building 2200, 2207, 2201, 2204, and 2206	Former Tank Maintenance Facility Shop-1	OPEN
FGGM-89		2.1.5.8	SWMU 39, 40, and 41	Building 2217	Former Tank Maintenance Facility Shop-2	OPEN
FGGM-90	OU-4	2.1.5.9	SWMU 45, 46, 47, 48, 49, 50, 51, 52, 53, and 54	Buildings 2240, 2241, 2242, 2243, 2247, 2248, and 2249	Former Tank Cleaning Supply Warehouse	OPEN
FGGM-91	OU-4	2.1.5.10	SWMU 42	Building 2220	Former Missile Repair Shop	OPEN
FGGM-92	OU-4	2.1.5.11	SWMU 55, 56, 57, 58, 61, and 62	Buildings 2246, 2246D, 2244, 2245, and 2253	Former Heavy Gun Cleaning and Repair Shop	OPEN
FGGM-93	OU-36	2.1.8			Manor View Dump, Including Incinerator and Old Landfill – 1938.	OPEN
FGGM-94	OU-37	2.3.2			Trap and Skeet Range 17 – BRAC	OPEN
FGGM-95 (Former Landfill Sites)	OU-45	2.5.14.3			Possible Dump Site A-1957 – Former Compliance Cleanup Site	CLOSED
		2.5.14.22			Possible Dump Site B-1957	CLOSED
		2.5.14.4			Possible Dump Site C-1957	CLOSED
		2.5.14.5			Possible Dump Site D-1957	CLOSED
		2.5.14.23			Possible Dump Site E-1957	CLOSED
		2.5.14.6			Possible Dump Site F-1957	CLOSED
		2.5.14.7			Possible Dump Site G-1957	CLOSED
		2.5.14.8			Possible Dump Sites – 1970	CLOSED
		2.5.14.9			Site—M - Parcel 1	CLOSED
		2.5.14.10			Site—M - Parcel 2	CLOSED
		2.5.14.11	SWMU 131, 132, 133, 134, 135, 136, and 137	Buildings 21, 8860, 8870, 8880, 8881 8890, 8890A, and 8891	Site—M - Parcel 3	CLOSED
		2.5.14.12			Site—M - Parcel 4	CLOSED
		2.5.14.13			Site—M - Parcel 5	CLOSED
		2.5.14.14			Site—M - Parcel 6	CLOSED
		2.5.14.15			Site—M - Parcel 7	CLOSED
		2.5.14.16			Site—M - Parcel 8	CLOSED
		2.5.14.17			Site—M - Parcel 9	CLOSED
		2.1.9.1			IAL4	OPEN

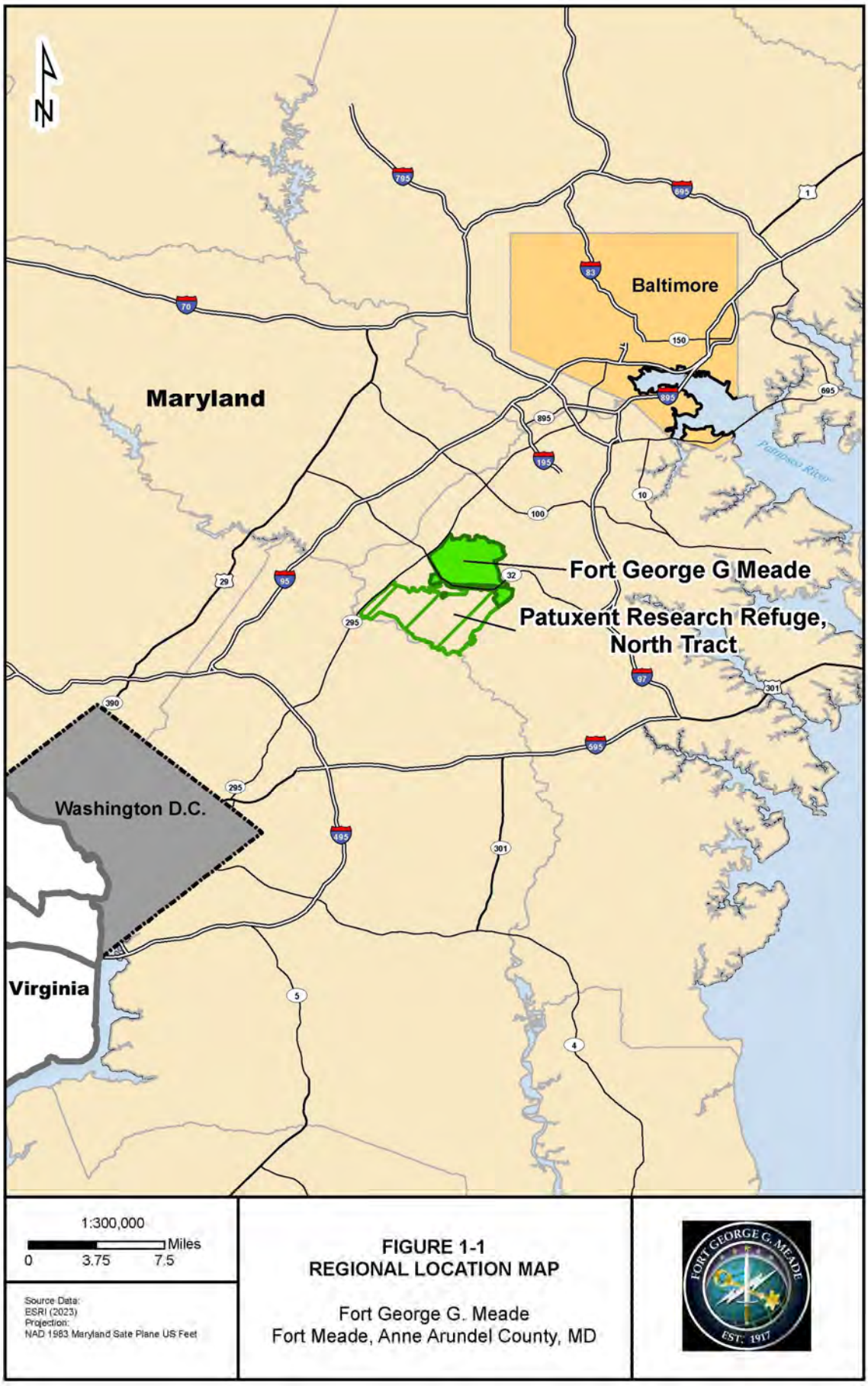
AEDB-R Number	OU	SMP Section Number	SWMU Number	Building Number	AOI Identifier	Status
FGGM-95 (continued)	OU-45 (continued)	2.1.9.2			Pre-WWII Laundry at USAOC	OPEN
		2.5.14.20			Taylor Avenue Buried Drum Site	CLOSED
		2.5.14.21			Waste Storage/Disposal Area – 1938	CLOSED
		2.5.14.1			Fill – 1988	CLOSED
		2.5.14.19			Small Pit – 1952	CLOSED
		2.5.14.18			Site Y	CLOSED
		2.5.14.2			Pershing Hill Elementary School Burn Pit Stockpile	CLOSED
FGGM-96	OU-46	2.5.15.24			Former MP-1/Wash Rack (WR)-4	CLOSED
		2.5.15.25			Former MP-2	CLOSED
		2.5.15.26			Former MP-3/WR-2	CLOSED
		2.5.15.27			Former MP-4	CLOSED
		2.5.15.47			Former MP-5; Possible Vehicle Storage Area – 1957	CLOSED
		2.5.15.28			Former MP-6	CLOSED
		2.1.10.1			Former MP-7/WR-6	OPEN
		2.5.15.29			Former MP-8	CLOSED
		2.5.15.48			Former MP-9	CLOSED
		2.5.15.53			Former MP-10	CLOSED
		2.5.15.54			Former MP-11/WR-7	CLOSED
		2.5.15.55			Former MP-12/WR-8	CLOSED
		2.5.15.56			Former MP-13/WR-9	CLOSED
		2.5.15.30			Former MP-14	CLOSED
		2.5.15.31			Former MP-17	CLOSED
		2.5.15.57			Former MP-18/WR-12	CLOSED
		2.5.15.32			Former MP-19/WR-13	CLOSED
		2.5.15.33			Former WR-3	CLOSED
		2.1.10.2			6th Street and Chisholm Avenue	OPEN
		2.5.15.1	SWMU 010	Building 294	Directorate of Public Works (DPW) Entomology Department, Former MP	CLOSED
		2.5.15.34	SWMU 011	Building 546	Photography Lab	CLOSED
		2.5.15.35	SWMU 012, 013, and 146	Building 940	MP, WR, and oil/water separator (OWS)	CLOSED
		2.5.15.58	SWMU 014, 015, 016, 017, and 018	Building 1007	Army Reserve MP, Vehicle Maintenance, Motor Repair Shop, OWS, and WR, MP-15/WR-10	CLOSED

AEDB-R Number	OU	SMP Section Number	SWMU Number	Building Number	AOI Identifier	Status
FGGM-96 (continued)	OU-46 (continued)	2.5.15.2	SWMU 019, 020, and 021	Building 1251	Associated WR and OWS	CLOSED
		2.5.15.59	SWMU 025, 026, 027, and 028	Building 2120C	Vehicle Storage and Maintenance, WR and OWS	CLOSED
		2.5.15.3	SWMU 029 and 030	Building 2121	Vehicle Maintenance	CLOSED
		2.5.15.4	SWMU 031	Building 2122	Maintenance Facility, Former Building 2122	CLOSED
		2.5.15.5	SWMU 032	Building 2123	Maintenance Facility, Former Building 2123	CLOSED
		2.5.15.6	SWMU 033 and 034	Building 2124	Maintenance Facility	CLOSED
		2.5.15.60	SWMU 035 and 036	Building 2128	Vehicle Maintenance – MP-16/WR-11. Former Building 2128	CLOSED
		2.1.10.3	SWMU 043, 044, and 147	Building 2227, 2224, and 2234	Maintenance Shop, WR, and OWS, Former Buildings 2227 and 2224, and Building 2234.	OPEN
	OU-4 / OU-46	2.1.5.13	SWMU 038	Building 2213	Painting and Sheet Metal Shop, Former Building 2213	OPEN
		2.1.5.18			Former WR-5	OPEN
		2.1.5.19			Debris and Stain – 1975	OPEN
		2.1.5.14		Building 2266	Former Building 2266	OPEN
		2.1.5.15	SWMU 063 and 064	Building 2276	Furniture Repair Shop, Former Building 2276	OPEN
		2.1.5.16	SWMU 068	Building 2287	NSA MP Equipment and Chemicals Storage Shed, Former Building 2287	OPEN
		2.1.5.17	SWMU 069	Building 2288	Paint Storage Shed, Former Building 2288	OPEN
	OU-46	2.5.15.61	SWMU 072	Building 2482	Boiler Plant	CLOSED
		2.5.15.7	SWMU 073	Building 2484	Medical Supply/Administration	CLOSED
		2.5.15.49	SWMU 074	Building 2490	Medical Lab	CLOSED
		2.1.10.4	SWMU 075 and 076	Building 2501	Maintenance	OPEN
		2.5.15.36	SWMU 077, 078, and 079	Building 2630	Dispatch, Storage, and Parking Area for Emergency Medical Units and WR Near Building 2630	CLOSED

AEDB-R Number	OU	SMP Section Number	SWMU Number	Building Number	AOI Identifier	Status
FGGM-96 (continued)	OU-46 (continued)	2.5.15.50	SWMU 080, 081, 082, 083, 084, 085, and 086	Building 2724	Outdoor Recreation Equipment Rentals and WR	CLOSED
		2.5.15.37	SWMU 087, 088, 089, 090, 091, 092, and 148	Building 2728	WRs, Recreational Equipment Storage, OWS, Recreational Vehicle Storage. and Maintenance Shop	CLOSED
		2.5.15.8	SWMU 093	Building 2802	Dental Research Lab, Former Building 2802	CLOSED
		2.5.15.9	SWMU 094	Building 2804	Chemical Storage and Electron Microscopy Lab, Former Building 2804	CLOSED
		2.5.15.10	SWMU 095	Building 2805	Laboratory/Chemical Storage/Officers' Mess Hall, Former Building 2805	CLOSED
		2.5.15.11	SWMU 096 and 097	Building 2831	Dental Clinic, Former Building 2831	CLOSED
		2.5.15.38	SWMU 098	Building 3000	Screen Repair, and Industrial Shop	CLOSED
		2.5.15.62	SWMU 099	Building 4411	Former Hospital	CLOSED
		2.5.15.13	SWMU 100	Building 4554	Photo Lab	CLOSED
		2.5.15.46	SWMU 101 and 102	Building 4587	Motor Repair and Garage	CLOSED
		2.5.15.52	SWMU 103	Building 4680	Service Station and Past Vehicle Repair Shop	CLOSED
		2.5.15.16	SWMU 109	Building 8472	Dental Clinic	CLOSED
		2.5.15.40	SWMU 110 and 111	Building 8480	WR and OWS Southeast of Former Building 8480	CLOSED
		2.1.10.5	SWMU 115, 116, and 116A	Building 8485	Vehicle Maintenance and Former WR-1	OPEN
		2.1.10.6	SWMU 117 and 118	Building 8486	Maintenance Shop	OPEN
		2.5.15.17	SWMU 119 and 120	Building 8487	Vehicle Maintenance	CLOSED

AEDB-R Number	OU	SMP Section Number	SWMU Number	Building Number	AOI Identifier	Status
FGGM-96 (continued)	OU-46 (continued)	2.5.15.41	SWMU 121, 122, 123, 124, 125, 126, 127, 128, and 149	Building 8549, 8550, and 8551	Former MP and WR	CLOSED
		2.5.15.42	SWMU 138	Building 9581	Wastewater Treatment Plant	CLOSED
		2.5.15.14	SWMU 139 and 140	Building 6800	WR System for Most Recent Golf Course Club House	CLOSED
		2.5.15.15		Building 6865	WR System for Former Golf Course Club House	CLOSED
		2.5.15.21	SWMU 141 and 142		Privately Owned Vehicle WR	CLOSED
		2.5.15.22	SWMU 143 and 144		Former OWS and WR	CLOSED
		2.5.15.18	Non-SWMU 1, 2, 3, 4	Buildings 2454, 2455, 2456, 2457	Administrative, Barracks, and Clinic	CLOSED
		2.5.15.19	Non-SWMU 5	Building 2801	Storehouse	CLOSED
		2.5.15.51	Non-SWMU 6, 7, 8	Buildings 2810, 2811, 2832	Lab and Barracks, Former Buildings 2810, 2811, and 2832	CLOSED
		2.5.15.39	Non-SWMU 9	Building 4272	Cold Storage	CLOSED
		2.5.15.12	Non-SWMU 010	Building 4552	Administrative	CLOSED
		2.5.15.20	Non-SWMU 12 and 13	Building 9802 and 9803	Barracks and Administrative	CLOSED
		2.5.15.43			Possible Vehicle Service Area A – 1943	CLOSED
		2.5.15.44			Possible Vehicle Service Area B – 1943	CLOSED
		2.5.15.63			Former Incinerator Building – 1943; 21½ Street	CLOSED
		2.5.15.23			Oil Tanks	CLOSED
		2.1.10.7			Stained Soils Along 3rd Street	OPEN
		2.5.15.45			Former Incinerator Site – Reece Road	CLOSED
FGGM-001- R-01	OU-38	2.3.7			CFD MMRP	OPEN
FGGM-002- R-01	OU-39	2.3.8			High Explosive Impact and Disposal (HEI) Area – BRAC	OPEN

AEDB-R Number	OU	SMP Section Number	SWMU Number	Building Number	AOI Identifier	Status
FGGM-003- R-01	OU-40	2.2.1.1			Mortar Area Munitions Response Site (MRS)	OPEN
FGGM-003- R-02		2.2.1.2			Training Area MRS	OPEN
FGGM-004- R-01	OU-41	2.6.1			Grenade & Bayonet Range A	CLOSED
FGGM-005- R-01	OU-42	2.6.3			Pistol Range A	CLOSED
FGGM-006- R-01	OU-43	2.6.4			Pistol Range B	CLOSED
FGGM-007-R-01	OU-44	2.2.2			IAL2	OPEN
FGGM-008-R-01		2.6.2			Grenade & Bayonet Range B	CLOSED
	Unassigned AOI	2.8.4			6-Acre Little Patuxent River Site	CLOSED
CCFGGM-97		2.1.11			Cell 3	OPEN
		2.4.1			Off-Post Groundwater Investigation – Nevada Avenue Area	OPEN
		2.8.1		Building 8484	Grant Street at Building 8484 – Spill Notification	CLOSED
		2.8.2		Building 1978	20th Street at Route 175 Near Building 1978 – Spill Notification	CLOSED
		2.8.3		Building 195	1st Street in Front of Building 195 – Spill Notification	CLOSED


N
Baltimore
Maryland
Fort George G Meade
Patuxent Research Refuge,
North Tract
Washington D.C.
Virginia
1:300,000
Miles
0 3.75 7.5
Source Data:
ESRI (2023)
Projection:
NAD 1983 Maryland Sate Plane US Feet
FIGURE 1-1
REGIONAL LOCATION MAP
Fort George G. Meade
Fort Meade, Anne Arundel County, MD
FORT GEORGE G. MEADE
EST. 1917

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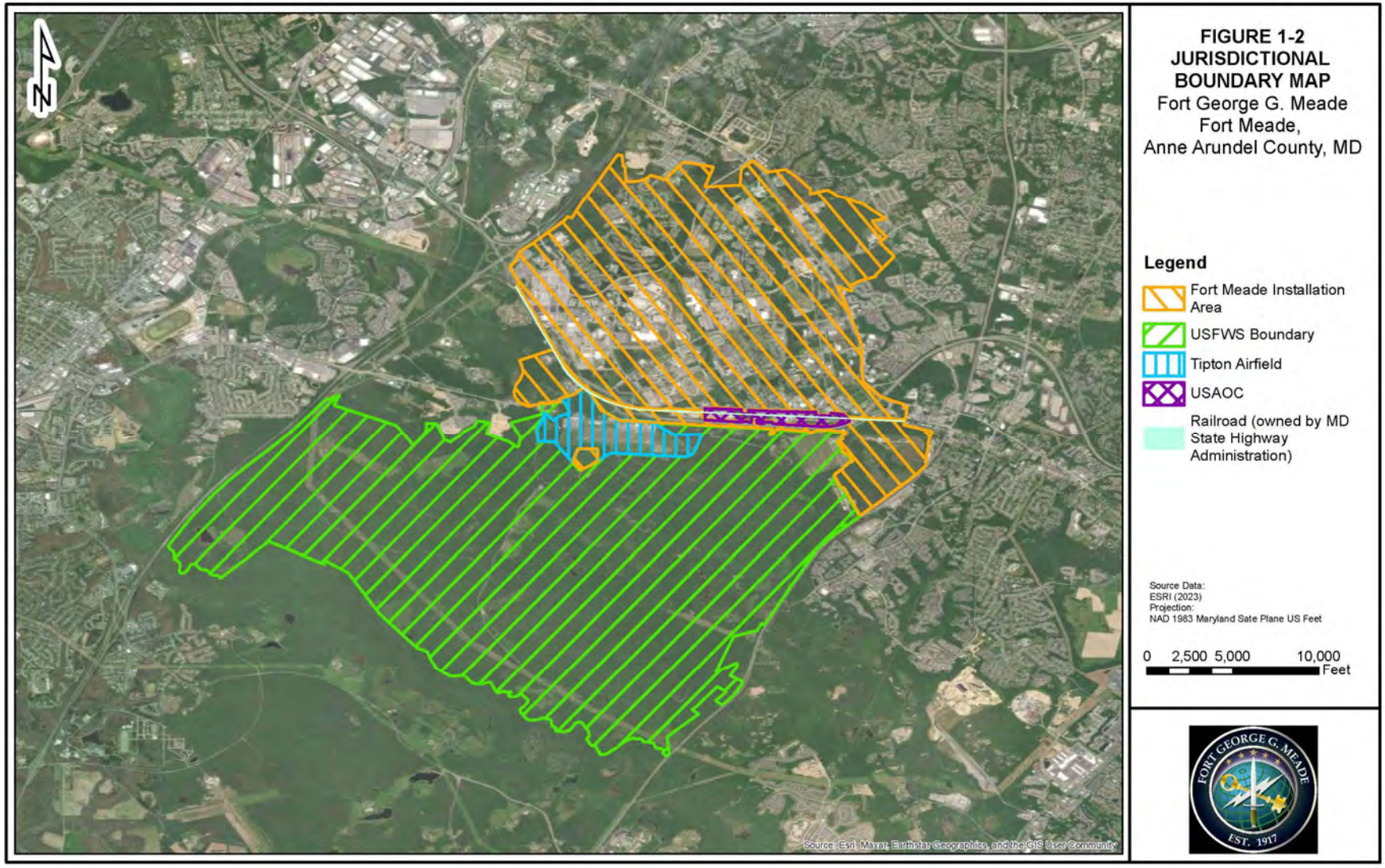
N
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
FIGURE 1-2
JURISDICTIONAL
BOUNDARY MAP
Fort George G. Meade
Fort Meade,
Anne Arundel County, MD
Legend
Fort Meade Installation Area
USFWS Boundary
Tipton Airfield
USAOC
Railroad (owned by MD State Highway Administration)
Source Data:
ESRI (2023)
Projection:
NAD 1983 Maryland Sate Plane US Feet
0 2,500 5,000 10,000
Feet
FORT GEORGE G. MEADE
EST. 1917

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2 AREAS OF INTEREST DESCRIPTIONS BY SOURCE FUNDING

2.1 INSTALLATION RESTORATION PROGRAM OPEN AREAS OF INTEREST

2.1.1 FGGM-07 (OU-5) – DEFENSE REUTILIZATION AND MARKETING OFFICE DRUM SITE

Regulatory Driver: CERCLA

Environmental Investigations:

Site Inspection (SI)	1992, 1995
Remedial Investigation/ Feasibility Study (RI/FS)	1994-2011
Focused Feasibility Study (FFS)	2007
FFS Technical Addendum on Pre-Design Plume Delineation and Data Collection	2010
RI/FFS	2022-2023
Proposed Plan (PP)	2025
Record of Decision (ROD)	2026
Remedial Action Work Plan (RAWP)/ Remedial Design (RD)	2026
Response Action Completion Report (RACR)	2026

Contaminants of Potential Concern: Volatile organic compounds (VOCs).

Media of Concern: Groundwater

Site Location: Grid F5, at the intersection of Rock Avenue and Remount Road along the southern boundary of the installation.

Site Description: This AOI is approximately 9 acres and comprises the Covered Storage Facility (CSF) at the former salvage yard portion of the former Defense Property Disposal Office (DPDO). The CSF is also identified as the DRMO warehouse. DPDO was an open storage/disposal area for automobiles, drums, water heaters, heating units, dry cleaning machines, spent battery transformers, pipe, and scrap metal.

Previous Studies: In 1995, a total of 267 drums, 2 transformers, 1 high voltage box, and 3,500 tons of polychlorinated biphenyls (PCB)-contaminated soil were removed.

RI/FS activities were conducted from 1994 to 2011. In 2011, the Army completed additional RI fieldwork including groundwater sampling to address outstanding EPA comments on the 2003 RI and Baseline Risk Assessment. Data gaps identified after the 2010 FFS led to additional RI fieldwork between 2017 and 2019. In 2017, all existing monitoring wells were sampled to establish a baseline. Additional sampling was conducted in 2018-2019 to address data gaps and included vapor intrusion sampling, and the installation and sampling of an additional monitoring well in 2018. A tetrachloroethylene (PCE) groundwater plume, approximately 5,000 feet long, extends off-post onto the PRR. It is anticipated that the final remedy for the site will be dynamic groundwater recirculation, 5-Year Reviews, and land use controls (LUCs).

Current Use: The DRMO currently operates as Defense Logistics Agency Disposition Services.

Current Status: A revised RI was completed in June 2023 and incorporates the vapor intrusion and groundwater results to address data gaps. A revised FFS was completed in 2023. The Proposed Remedial Action Plan is underway and expected to be finalized in 2025.

Cleanup/Exit Strategy: Finalizing the FFS, preparing a PP/ROD, RAWP/RD, and RACR.

2.1.2 FGGM-08 (OU-7) – COMP AMMUNITION SUPPLY POINT NO. 1

Regulatory Driver: CERCLA

Environmental Investigations:

Enhanced PA	1989
SI	1992
PA	1995-1996
SI	1995-2011
Interim Removal Action (IRA)	1998-1999
Groundwater RI	2007
<u>The CSL Schedule:</u>	
FFS	2014
RD	2020
PP	2017, 2025
Interim ROD (IROD)	2020
ROD	2026
Remedial Action (Construction) [RA(C)]	2020
Remedial Action (Operation)[RA(O)]	2020-2026
Long-Term Monitoring (LTM)	2020-2056

Contaminants of Potential Concern: Metals

Media of Concern: Soil

Site Location: Grids H5/I5 and H6/I6, in the middle of the CSL, in the southeastern portion of the cantonment area.

Site Description: This AOI is within the boundary of the CSL (refer to Section 2.1.4). Chemical munitions used at FGGM included smoke grenades and Riot Control Agents (RCAs) for training purposes (Argonne 1989). These items were stored at ASP No. 1. RCAs were stored in bulk (50-pound drums), canister, and capsule form. Smoke grenades contained a mixture of grained aluminum, zinc oxide, and hexachloroethane, as well as substances to produce colored smoke. In the 1950s, an unknown number of chemical agent identification sets (CAIS) were stored in ASP No. 1. The final disposition of these sets is unknown.

Previous Studies: Over the course of previous investigations at this AOI, 21 surface soil samples, 6 subsurface soil samples, one surface water sample, and 6 sediment samples were collected and submitted for laboratory analysis. In addition, both shallow and deep groundwater at the CSL has been monitored for certain constituents, including explosives, and some wells are located near ASP

No. 1. Soil samples were collected around the magazine locations (EM Federal Corporation 2007). One surface and one subsurface soil sample were collected from each of the six former magazine locations in the former ASP area to assess the potential for soil contamination due to spills or leaks. Based on a risk analysis of the analytical results, concentrations are below site-specific action levels.

Current Use: Grass, trees, and a pond.

Current Status: The CSL (FGGM-17) FFS recommended NFA for this AOI. The PP was finalized in 2017 and the IROD was finalized March 2020.

Cleanup/Exit Strategy: This site has an IRA and RI; and will require a final ROD for closeout. Since this AOI is within the CSL (FGGM-17) footprint it has been included in the CSL IROD (refer to Section 2.1.4). The CSL IROD recommendation for this AOI is NFA. Five-Year Reviews are anticipated.

2.1.3 FGGM-13 (OU-10) – FORMER PESTICIDE SHOP BUILDING, FORMER BUILDING 6621

Regulatory Driver: CERCLA

Environmental Investigations:

RI/FS	2004–2012
ROD	2012
RD	2012–2013
RA(C)	2013
5-Year Review	2016, 2022, 2026
RA(O)	2014–2054
LTM	2017–2025

Contaminants of Potential Concern: VOCs and pesticides

Media of Concern: Soil and groundwater

Site Location: Grid F4, at the northwestern corner of York Avenue and Gordon Street intersection.

Site Description: Between 1958 and 1978, former Building 6621 was used as a pesticide shop and maintenance facility. Pesticides stored at the building included malathion, diazinon, and baygon. The equipment stored at the building included lawn mowers, tractors, and other landscaping equipment. The building was demolished in 1996, and the area was graded.

Previous Studies: Site investigations were conducted after the building was demolished and the site regraded. Soil sampling results indicate that chlordane, alpha-chlordane, gamma-chlordane, 4,4-DDD (dichlorodiphenyldichloroethane), 4,4-DDE (dichlorodiphenyldichloroethylene), 4,4-DDT (dichlorodiphenyltrichloroethane), 2,4-D (dichlorophenoxyacetic acid), heptachlor, dieldrin, arsenic, and mercury were detected above EPA Region 3 RBCs. Groundwater was not assessed during the site investigations. In 2011, the Final RI determined that surface and shallow subsurface soils at the former Pesticide Shop were contaminated with pesticides (primarily chlordane) and arsenic. The pesticide contamination was more extensive than the arsenic contamination (Arcadis 2011). In 2010, additional RI work indicated that groundwater was contaminated with pesticides at low levels (primarily chlordane). Groundwater pesticide concentrations decreased substantially away from the pesticide handling area. Tetrachloroethene (PCE) was also detected in two wells and decreases in concentration away from the pesticide handling area to non-detect. The human health risk assessment (HHRA) prepared as part of the RI concluded: -1) The cancer risk estimates are above the upper end of the target cancer risk range (1 x 10-4) and the cumulative non-cancer hazard estimates are above one for the future hypothetical resident, and 2) The cumulative non-cancer hazard estimates are greater than one for the future construction worker.

Current Use: Fenced site used for equipment storage.

Current Status: The ROD was signed in September 2012 to implement soil excavation with off-site disposal, enhanced reductive dechlorination (ERD) with LTM of groundwater, and land-use controls. Implementation of the ROD began with excavation in December 2013. Excavation was completed in February 2014, and ERD was conducted in March 2014. LUCs were implemented in 2014. Following the excavation, LTM of groundwater was conducted quarterly for one year, semi-annually for two years, and annually since 2017. LUC inspections are conducted annually during LTM events. Five-year reviews will continue until unlimited use/unrestricted (UU/UE) exposure is achieved.

Cleanup/Exit Strategy: The ROD remedy was implemented between December 2013 and June 2014. LTM follows the schedule established in the RD and subsequent monitoring reports. The next 5-Year Review will be in 2026.

2.1.4 FGGM-17 (OU-12) – CLOSED SANITARY LANDFILL

Regulatory Driver: CERCLA / Resource Conservation and Recovery Act (RCRA) (for post closure LTM)

Environmental Investigations:

RI/FS	2001–2014
RD	2014–2019, 2027
PP	2017, 2024
IROD	2020
RA(C)	2020, 2028
Interim Remedial Action Completion Report (IRACR)	2021
RA(O)	2020–2058
LTM	2020–2058
Technical Memorandum HHRA	2024
PP	2025
ROD	2026

Contaminants of Potential Concern: VOCs, metals and nitrate.

Media of Concern: Groundwater

Site Location: Grids H5, I5, H6, I6, along the southeastern boundary of the installation, south of State Route 32.

Site Description: FGGM-17 was constructed as an unlined facility with no leachate collection system, initially designated as the Active Sanitary Landfill. Landfill operations were conducted from 1958 to 1976 using the trench fill method. FGGM-17 was divided into three cells; Cells 1 and 2 were capped with clay in 1992; Cell 3 was not capped or included in the RCRA permit. In 2013, it was discovered that Cell 3 may be larger than originally thought requiring additional RI work. As a result, Cell 3 is being investigated separately as CCFGGM-97.

Surface water retention ponds are located along a small stream that bisects the site. A landfill-gas collection and treatment system operate along the eastern edge of the landfill to control emissions from the site.

ASP No. 1 is located north of Cell 1 and west of Cell 2 within the CSL site boundary (Section 2.1.2).

Previous Studies: Soil borings were drilled to characterize the depth and nature of the waste materials. Surface soil samples were collected from the landfill cells to help assess potential exposure pathways. Groundwater and surface water samples are collected on a semi-annual schedule.

The HHRA completed, as part of the 2013 RI, indicated the following: 1) Surface/sub-surface soil, sediment, and surface water media from the CSL do not present unacceptable risk to human receptors on site or off site under current and future land-use scenarios. 2) Exposure to groundwater under the hypothetical future resident scenario exceeded the EPA target risk range and hazard level. 3) An off-site investigation to further delineate the presence of benzene near the southeastern CSL boundary was conducted in March 2013 and 2014. Benzene was not detected above the Maximum Contaminant Level (MCL) during the investigation; therefore, the delineation is complete. However, arsenic was detected off-post at concentrations exceeding the MCL.

Current Use: Landfill, undeveloped and soil stockpile.

Current Status: Semi-annual groundwater and surface water monitoring and active methane collection are ongoing at the CSL. An FFS for Cells 1 and 2 was finalized in December 2014, which evaluates alternatives for handling benzene and arsenic at the property boundary. The PP for Cells 1

and 2 was finalized in 2017. A remedial air sparge treatment system began continuous operation in December 2020, as documented in the 2021 IRACR.

Cleanup/Exit Strategy: An IROD was finalized in March 2020 for the CSL, which completed for Cell 3 (see Section 2.1.11). An update to the HHRA through a Technical Memorandum was finalized in November 2024 and a revised PP and ROD that will include Cells 1, 2 and 3, will be completed in 2025 and 2026, respectively.

2.1.5 OU-4

Regulatory Driver: CERCLA

Environmental Investigations:

Please see the individual OU-4 AOI for lists of previous investigations.

Contaminants of Potential Concern: VOCs, semi- volatile organic compound (SVOCs), PCBs, pesticides, herbicides, total petroleum hydrocarbons – diesel-range organics (TPH-DRO), TPH – gasoline range organics (TPH-GRO), polycyclic aromatic hydrocarbons (PAHs), fuel oil, metals, and herbicides

Media of Concern: Soil, groundwater, surface water, and soil gas.

Site Location: Grids H5/I5 and H6/I6, in the southeastern portion of the installation.

Site Description: OU-4 comprises the following sites:

- FGGM-33: Battery Shop; (Former Building 2283)
- FGGM-45: Calibration Laboratory (Building 2220)
- FGGM-47: Post Laundry Facility (Building 2250)
- FGGM-49: DOL Buildings 2286 and 2246
- FGGM-51: Spill Site (Building 2217)
- FGGM-86: Former MP Maintenance Facility (Building 2286)
- FGGM-88: Former Tank Maintenance Facility Shop 1 (Buildings 2207, 2201, 2204, and 2206)
- FGGM-89: Former Tank Maintenance Facility Shop 2 (Former Building 2217)
- FGGM-90: Former Tank Cleaning Warehouse (Building 2240, 2241, 2242, 2243, 2247, 2248, and 2249)
- FGGM-91: Former Missile Repair Shop (Building 2220)
- FGGM-92: Former Heavy Gun Cleaning and Repair Shop (Buildings 2244, 2245, 2246, 2246D, and 2253)
- FGGM-17: MWs-125d and -126d
- FGGM-96: Painting and Sheet Metal Shop, Former Building 2213
- FGGM-96: Building 2266
- FGGM-96: Furniture Repair Shop (Former Building 2276) (SWMUs 63 and 64)

- FGGM-96: NSA MP Equipment and Chemicals Storage Shed, Former Building 2287 (SWMU 68)
- FGGM-96: Paint Storage Shed (Building 2288) (SWMU 69)
- FGGM-96: Former WR-5
- FGGM-96: Debris and Stain – 1975

(OU-4 Continued) Previous Studies: The precise location, history, and a summary of contamination of each site within OU-4 are presented in subsections 2.1.5.1 through 1.1.7.13. RI activities were completed during multiple phases between 2009 and 2014. The work extended across the overall OU-4 study area and included a series of cone penetrometer / membrane interface probe borings, soil sampling using direct-push technology (DPT), vertical aquifer profiling borings using rotasonic drilling technology, deep and shallow monitoring well installations on- and off-post, numerous monitoring well groundwater sampling events and water level gauging, and completion of a vapor intrusion investigation involving sub-slab gas and indoor air sampling at OU-4 buildings. The HHRA concluded that in areas west of Huber Road (i.e. Buildings 2253, 2250, 2246, 2243, 2242, 2241, 2240, and 2220) for the future trench construction worker scenario, three endpoint-specific hazard indices (cardiovascular system, immune system, developmental effects) exceed the target Hazard Index (HI) of 1, with exposures to trichloroethene (TCE) in shallow Upper Patapsco Aquifer (LPA)/Middle Patapsco Clay groundwater as the primary contributor. Additionally, under a future off-post residential drinking water use scenario, the current concentrations in LPA groundwater at upgradient on-post monitoring wells were defined as representative of future potential exposures to off-post residents who use groundwater for potable purposes (but without any consideration of the effects of treatment, dilution, or attenuation in current on-post LPA groundwater concentrations). The cumulative cancer risk estimate exceeds the upper limit of EPA's acceptable risk range of 1E-06 to 1E-04, with arsenic in on-post LPA groundwater identified as the risk driver. The endpoint-specific hazard estimates for methylchlorophenoxypropionic acid (MCPP), cobalt, TCE, and PCE exceed EPA's target HI of 1.

Current Use: Administrative, storage, industrial, and commercial

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4 was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding chemicals of concern (COCs). To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019. An IRA Work Plan proposing interim "active" remedial alternatives, including in-situ chemical injections (in the vicinty of FGGM-86/Building 2286 and FGGM-96/Former Building 2276 – area of concern [AOC] 1), installation and operation of an air sparge/soil vapor extraction system (AS/SVE) (at FGGM-47/Building 2250 – AOC 2), and HC (HC) (within the LPA south of Route 32 – AOC 3), was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impacts to the LPA in off-post areas of Odenton. In AOC 1, in-situ chemical oxidation injections were initiated in May 2014. The most recent in situ chemical oxidation injection was completed in 2025 at Buildings 2286/2276 to address rebounding of VOC concentrations in groundwater. To date, five in-situ chemical oxidation injections have been completed. The AS/SVE and HC systems were constructed and brought online in March 2014 in Areas of Concern 2 and 3, respectively. The IRA Reports (IRARs) were finalized in October 2014, and groundwater monitoring and operation & maintenance (O&M) activities are underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater

alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of a ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, including the sites listed above, is continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD for all three AOC's. Soil excavation with off-site disposal is anticipated at AOC 2.

2.1.5.1 FGGM-33 (OU-19/OU-4) – BATTERY SHOP, FORMER BUILDING 2283

Regulatory Driver: CERCLA

Environmental Investigations:

PA	1991–1993
SI	1991–1994
IRA	1993–1994
Comprehensive Site Assessment (CSA)	2000
RI/FS	2002–2014
Well Closure Report	2003
PA	2010–2012
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
Remedy in Place (RIP)/Response Complete (RC)	2027

Contaminants of Potential Concern: VOCs, metals

Media of Concern: Soil and groundwater

Site Location: Grid H5, in the southeastern portion of the installation, approximately 500-feet west of the intersection of Morrison Street and Huber Road.

Site Description: Building 2283 was used as a motor repair shop and storage facility (1941–1982) and a battery disposal facility (1982–1992) before being demolished in the mid-1990s.

From 1982 to 1985, battery acid was discharged directly to surface soil in a bermed area along the north wall of the former building (EA Engineering Science and Technology, Inc. 1994). An acid neutralization tank was installed in 1985.

In 1987, discharge of battery acid to the tank ended, but battery rinsing, and cleaning operations continued in a sink in the northeastern corner of the building; a drainpipe from the sink discharged to the surface soil outside the building.

Previous Studies: An IRA was completed in 1994 (EA 1994). Over the course of previous investigations at this AOI, 59 surface soil samples, 67 subsurface soil samples, and 14 groundwater samples (plus one duplicate sample) were collected and submitted for laboratory analysis.

Current Use: Picnic pavilion and repelling tower with grass and tree cover.

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4,

which encompasses FGGM 33, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017. An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019. An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs

were finalized in October 2014, and groundwater monitoring and O&M activities are currently underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM 33, includes continued O&M of the remedial systems and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.2 FGGM-45 (OU-22/OU-4) – CALIBRATION LABORATORY, BUILDING 2220

Regulatory Driver: CERCLA

Environmental Investigations:

PA	2010–2012
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2021
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil and soil gas

Site Location: Grid H5, in the southeastern portion of the installation, approximately 150 feet east of the intersection of 3rd Street and Pepper Road.

Site Description: Building 2220 (SWMU 42) was constructed in the late 1950s or early 1960s and was used as a warehouse and troop training center. This site was used in the late 1960s as a missile repair shop, using solvents and producing solvent waste. Small amounts of cleaning solvent and gasoline were formerly stored in a shed outside the building. Two fuel oil USTs were formerly located at the south side of the building; one removed in 1992, and the other removed and replaced in 1988 then removed in 1997. During the 1988 UST removal, corrosion holes were noted at the end of the tank. Building 2220 is also identified as FGGM-91, Former Missile Repair Shop groundwater.

Previous Studies: Over the course of previous investigations at this AOI, 4 surface soil samples, 6 subsurface soil samples, and 13 groundwater samples were collected and submitted for laboratory analysis.

Current Use: Administrative/storage

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-45, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019. An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013.

The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC system were constructed and brought online in March 2014.

In-situ chemical injections were initiated in May 2014; the last chemical injection occurred in 2023. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are currently underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were

evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work included finalizing the Draft Final PP (AECOM 2023) and preparation of a ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-45, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.3 FGGM-47 (OU-4) – POST LAUNDRY FACILITY, BUILDING 2250 (AOC 2)

Regulatory Driver: CERCLA

Environmental Investigations:

RI/FS	2017
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil, groundwater, and soil gas

Site Location: Grid H5, approximately 400-feet northeast of the intersection of Rock Avenue and Huber Road.

Site Description: Building 2250 (SWMU 59 and 60) was constructed in 1941 and used as a laundry facility through 1991. Dry cleaning operations were introduced in the late 1960s. TCE, PCE, and carbon tetrachloride (CCl_4) were used during dry-cleaning operations. Laundry and dry-cleaning operations were discontinued in 1991, and the facility was converted to a recycling center. This AOI is being investigated under OU-4.

Previous Studies: In 1989, a preliminary soil investigation identified PCE in soil in an area believed to be a former drum storage area north of the building. Five shallow monitoring wells were installed near the building and first sampled in 1996. Surface water samples and sediment samples were collected from the retention pond near State Route 32 in 1998. Surface water in the swale east of Building 2250 was sampled in 1996, 1998, 1999, 2000, and 2013.

Current Use: Recycling center

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-47, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014.

In-situ chemical injections were initiated in May 2014; the last chemical injection occurred in 2025. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are currently underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally project in the IRP Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were

evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with offsite disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of a ROD, RD, and RACR. A revised PP and ROD are currently underway.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-47, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD. Soil excavation with off-site disposal is anticipated at AOC 2.

2.1.5.4 FGGM-49 (OU-23/OU-4) – DEPARTMENT OF LOGISTICS, BUILDINGS 2286 AND 2246

Regulatory Driver: CERCLA

Environmental Investigations:

Initial Delineation Report	2000
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, PCBs/pesticides, herbicides, TPH-DRO, fuel oil, and metals

Media of Concern: Soil, groundwater, and soil gas

Site Location: Grid H5. Building 2286 is north of Morrison Street and Building 2246 is east of Huber Street.

Site Description: FGGM-49 is part of OU-4 and includes Buildings 2286 and 2246. The soil and groundwater investigations and actions around Building 2286 are covered under FGGM-86. The soil and groundwater investigations and actions around Building 2246 are covered under FGGM-92. Both FGGM-86 and FGGM-92 are part of OU-4. These two buildings were initially delineated in 2000 (Versar, Inc. [Versar] 2000a, 2000b). Further actions are required for soil and groundwater and will be conducted under FGGM-86 (for Building 2286) and FGGM-92 (for Building 2246).

Previous Studies: Over the course of previous investigations at this site, 6 subsurface soil samples and 2 groundwater samples were collected and submitted for laboratory analysis.

Current Use: Industrial and administrative

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-49, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014.

In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are currently underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum

finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-49, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.5 FGGM-51 (OU-24/OU-4) – SPILL SITE, FORMER BUILDING 2217

Regulatory Driver: CERCLA

Environmental Investigations:

MDE Inspection Report	1988
SWMU Study	1996
MDE Site Closeout	2000
PA	2010–2012
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: Metals, PAHs, and VOCs

Media of Concern: Soil

Site Location: Grid H5, in the southeastern portion of the installation, west of the intersection of Chisholm Avenue and 2nd Street.

Site Description: Two heating oil USTs were near Building 2217. UST #2217A was installed 1 June 1970 and removed 14 July 1988; UST #2217B was a 1,000-gallon capacity steel UST installed 3 August 1988 and removed 11 December 1997 (FGGM 2010; Horne 1994). The first tank was removed due to corrosion; there were holes at the tank end (FGGM 2010). Free product was observed, the saturated soils were removed, and the soil removal project stopped upon finding a clay area (FGGM 2010).

Building 2217 was demolished in 2003 during which petroleum contamination was encountered underneath the concrete slab. The soil was investigated. The slab and soil beneath it were removed on 24 April 2007 and post-excavation samples were collected.

Previous Studies: Over the course of previous investigations at this site, 6 surface soil samples and 17 subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Grass field

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-51, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are currently underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is

not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with offsite disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-51, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.6 FGGM-86 (OU-4) – FORMER MOTOR POOL MAINTENANCE FACILITY

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
RCRA Facility Assessment (RFA) 3rd Phase	1999
Site Investigations	2001, 2002
Investigation Data Report	2005
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, herbicides, and metals

Media of Concern: Groundwater and soil gas

Site Location: Grid H5, near the intersection of Wilson and Morrison Streets.

Site Description: FGGM-86 consists of Building 2286 and Former Buildings 2285 and 2290.

Building 2286 (SWMUs 66 and 67) has been in use as a paint and body shop since the mid-1980s. Chemicals used in the building include paints, solvents, thinner, antifreeze, acetylene, and argon gas.

Former Building 2285 (SWMU 65) was used for storing paints and solvents until 1991. It was then mostly empty until 1995, when the 55th Signal began using it to store cots, a lawnmower, and gasoline.

Former Building 2290 (SWMU 70) was used by Allied Trades to store paints, thinners, and enamels until 1988. It was empty from 1988 until it was also used by the 55th Signal to store equipment parts, wood, and metal. Buildings 2285 and 2290 were demolished in approximately 2000.

Previous Studies: Over the course of previous investigations at this site, 15 soil samples and 11 groundwater samples were collected and analyzed.

Current Use: Storage and administration

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-86, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs. To finalize the RI/FS and HHRA and

address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014; the most recent injections were completed in April 2025. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are currently underway. Ongoing performance

monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as projected in the IRA Work Plan, COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-86, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.7 FGGM-88 (OU-4) – FORMER TANK MAINTENANCE FACILITY SHOP-1

Regulatory Driver: CERCLA

Environmental Investigations:

RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, PCBs, and metals

Media of Concern: Soil and groundwater

Site Location: Grid H5, approximately 150 feet southwest of the intersection of 1st Street and Chisholm Avenue.

Site Description: FGGM-88 includes Building 2207 (SWMU 37, DPW Storage and Receiving Warehouse), Building 2201 (DPW Storage and Supply Warehouse), Building 2206 (offices), Building 2204 (storage building), and Building 2200 (metal canopy for outdoor storage).

Constructed in 1918, Building 2207 was used as a tank maintenance facility prior to 1973. Since at least the mid-1980s, it has been used by the DPW as a receiving and storage facility.

Previous Studies: Over the course of previous investigations at this site, at least 17 soil samples and 11 groundwater samples were collected and analyzed.

Current Use: FGGM-88 is currently used for receiving materials for distribution to other facilities (main floor) and storing supplies, such as filters, light bulbs, and pipe clamps (upper floor).

The grounds are also used for storing construction materials, refrigerators, non-PCB-containing transformers, and fluorescent light bulbs.

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-88, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are currently underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil

excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-88, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.8 FGGM-89 (OU-4) – FORMER TANK MAINTENANCE FACILITY SHOP-2

Regulatory Driver: CERCLA

Environmental Investigations:

Sampling visits	1999, 2000, 2001
Delineation Report	2000
SI	2001
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Groundwater

Site Location: Grid H5, on 2nd and 3rd Streets between Pepper Road and Chisholm Avenue.

Site Description: FGGM-89 comprises the DOL Electric Shop Former Building 2217 (SWMU 39) and the DPW storage yard. Former Building 2217 was in the southeastern corner of the site. A former WR (SWMU 41) and a former OWS (SWMU 40) were in the northwestern corner of the site.

Constructed in 1918, Former Building 2217 was used as a tank maintenance facility until 1973. The associated WR was used to wash vehicles and construction equipment; wash water was discharged to the OWS and then to the sanitary sewer system. The WR and OWS were demolished and removed in 1999 or 2000.

Previous Studies: Over the course of previous investigations at this site, at least 32 soil samples and 30 groundwater samples were collected and analyzed.

Current Use: No permanent structures are located on site and the property is currently used for storage of vehicles and equipment.

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-89, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were

completed in 2017. An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs were finalized in 2019.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014 and groundwater monitoring and O&M activities are currently underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS

Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of a ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-89, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.9 FGGM-90 (OU-4) – FORMER TANK CLEANING SUPPLY WAREHOUSE

Regulatory Driver: CERCLA

Environmental Investigations:

RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, PAHs, herbicides, pesticides, TPH-DRO, and metals

Media of Concern: Soil, groundwater, and soil gas

Site Location: Grid H5, comprising the DOL Storage Services and Supply Division Complex located in the northwest quadrant of the intersection of Pepper Road and Rock Avenue.

Site Description: The complex is in OU-4 and includes Buildings 2240 (SWMUs 45 and 46), 2241 (SWMUs 47 and 48), 2242 (SWMUs 49 and 50), 2243, 2247, 2248 (SWMUs 51 and 52), and 2249 (SWMUs 53 and 54). Building 2240 is a separate single-story brick structure. Buildings 2241, 2242, and 2243 are connected in sequence and are elevated on wooden piers. Buildings 2247, 2248, and 2249 are smaller, wooden garage-type structures located behind the larger buildings. Other features on the site include propane storage pen (Building 2247A), flammable gas storage pen (Building 2248A), and an empty compressed gas storage pen north of Building 2249. A former 1,000-gallon above-ground storage tank (AST) storing No. 2 fuel oil located behind Building 2242 was removed in 1995.

Previous Studies: Soil and groundwater samples were collected and analyzed for Buildings 2240, 2241, 2242, 2248, and 2249.

Current Use: Building 2240 has been used as a storage and supply facility since its construction in 1934. Buildings 2241 and 2242 were constructed in 1918 and have always been used for receiving and short-term storage of supplies and materials before shipping. Buildings 2247, 2248, and 2249 are currently being used for assorted military administrative, commercial, and storage activities.

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-90, was submitted to

EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were

finalized in October 2014, and groundwater monitoring and O&M activities are currently underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4.

Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR. **Cleanup/Exit Strategy:** The cleanup/ exit strategy for OU-4, which encompasses FGGM-90, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.10 FGGM-91 (OU-4) –FORMER MISSILE REPAIR SHOP, BUILDING 2220

Regulatory Driver: CERCLA

Environmental Investigations:

PA/SI	1998–1999
Sampling Visits	1999, 2000
Soil Background Concentration Report	2001
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, PCBs/pesticides, herbicides, TPH-DRO, fuel oil, and metals

Media of Concern: Soil, groundwater, and soil gas

Site Location: Grid H5, approximately 150 feet southeast of the intersection of Pepper Road and 3rd Street.

Site Description: Building 2220 (SWMU 42) is currently used for an electronic maintenance and calibration shop; but in the 1960s, it was used as a missile repair shop, warehouse, and troop training center. Building 2220 is designated as FGGM-45 and is discussed separately. The FGGM-45 designation is for the building, while FGGM-91 is the groundwater at the site. Solvents, mineral spirits, cleaners, and lubricants were stored and used at the facility in the past. The site had two fuel oil USTs; one was removed in 1992, the other replaced in 1988 then removed in 1997. A 1-gallon spill of fuel oil reportedly occurred in 1993.

Previous Studies: Soil and groundwater samples were collected around Building 2220 as part of a 2000 SI and a 2000 Sampling Visit and analyzed for VOCs, SVOCs, metals, TPH-DRO, herbicides and pesticides.

Current Use: Administrative/storage

Current Status: A Final RI/FS document presenting final corrective actions for OU-4, which encompasses FGGM-91, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution regarding COCs. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events

targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017. Pending finalization of the FS Addendum, which will finalize the initial RI/FS submitted in December 2014 and present final long-term groundwater alternatives for OU-4, the PP and ROD will be finalized.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are currently underway. On-going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result,

additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-91, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.11 FGGM-92 (OU-4) – FORMER HEAVY GUN CLEANING AND REPAIR SHOP

Regulatory Driver: CERCLA

Environmental Investigations:

RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, PCBs/pesticides, herbicides, TPH-DRO, fuel oil, and metals

Media of Concern: Soil, groundwater, and soil gas

Site Location: Grid H5, south of the intersection of Huber and Pepper Roads.

Site Description: FGGM-92 is currently the DOL Tactical and Support Vehicle/Heavy Equipment Maintenance Facility and includes Building 2246/2246D (SWMUs 55–58), Building 2253 (SWMUs 61–62), and two storage sheds (Buildings 2244 and 2245). Building 2246 was used as a heavy gun repair shop from 1934 until the mid-1980s, and a military tank repair shop in the past. Since 1992, the Director of Community Activities has used the facility for storage and maintenance of grounds-keeping equipment and supplies. Building 2253, constructed in 1934, and has been used for vehicle maintenance in the past. Prior to 1992, it was used by the DOL as a warehouse.

FGGM-92 contains an 800-gallon used oil AST that serves as a collection point for used oil from vehicle maintenance, an out-of-service WR, and an out-of-service fuel pump.

Previous Studies: Two investigations were conducted at the site of Building 2253 (CH2M HILL 1999; Versar 2001). Soil and groundwater samples were collected and analyzed during two investigations conducted at the Building 2246 site (Versar 1999a, 2000c).

Current Use: Maryland National Guard 32nd Civil Support Team

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-92, was submitted to EPA and MDE in December 2014; however, comments from EPA are under resolution

regarding COCs. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are underway. On-going performance monitoring

has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-92, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.12 FGGM-17 (OU-4) – MONITORING WELLS 125D AND 126D

Regulatory Driver: CERCLA

Environmental Investigations:

Sampling Visits	2004, 2005, 2008, 2009, 2012, 2013, and 2014
Work Plan	2009
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: PCE, TCE, CCl_4, and metals

Media of Concern: Groundwater

Site Location: Grid I6, two monitoring well clusters (s-shallow and d-deep) 123s/125d and 124s/126d are located off post, east of the northern part of the CSL, at the intersection of North Patuxent and Dovetail Roads in Odenton, MD, in a residential area.

Site Description: Off-post wells MW-123s/125d and MW-124s/126d were installed as part of the CSL RI. PCE and CCl_4 detections above their respective MCLs were confirmed in off-post wells MW-125d and 126d in 2005. The CSL RI determined that the CSL is not the source of contamination in the LPA. Between 2005 and 2008, Anne Arundel County Health Department conducted an annual drinking water sampling program, which included 13 residential drinking water wells downgradient from FGGM. All samples collected met primary EPA drinking water standards. Copper was detected above MCLs, and lead was detected above its at-tap action level, but no VOC exceedances were detected in the wells tested by Anne Arundel County.

Previous Studies: MW-123s/125d and MW-124s/MW-126d were sampled in 2004, 2005, 2008, 2009, 2012, 2013, and 2014.

Current Use: Monitoring Wells

Current Status: A Final Non-Time Critical Removal Action (NTCRA) Work Plan approved in 2013 proposed interim active remedial alternatives for OU-4 and the LPA Study Area, including installation and operation of a HC system installed to enhance contaminant flushing in the LPA treating

groundwater traveling in a southeast direction toward MW-125d and MW-126d. A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses MW-125d and 126d, was submitted to EPA and MDE in December 2014. Annual groundwater samples were collected from MW-123s/125d and MW-124s/126d and analyzed for VOCs in January of 2014. The MCL for CCl_4 was exceeded in both MW-125d and MW-126d. PCE, toluene, and total xylenes were detected in MW-123s and MW-124s; however, no MCLs were exceeded. An NTCRA Work Plan proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the NTCRA are to improve groundwater quality across the site through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The HC system and AS/SVE were completed and operational in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are underway. On-

going performance monitoring has demonstrated that the AS/SVE remedy at AOC 2 is not operating as originally projected in the IRA Work Plan, as COC concentrations continue to fluctuate and remain at high levels. As a result, additional alternatives were evaluated in an FS Addendum to address COC impacts at AOC 2. Soil excavation with off-site disposal is anticipated. The 2020 FS Addendum finalizes the initial RI/FS submitted in December 2014 and presents final long-term groundwater alternatives for OU-4. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses MW 125d and 126d and the LPA, includes continued O&M of the removal systems and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.13 FGGM-96 (OU-46/OU-4) - PAINTING AND SHEET METAL SHOP, FORMER BUILDING 2213

Regulatory Driver: CERCLA

Environmental Investigations:

PA	2010–2012
RI/FS	2014
IRAR	2014
RI and FS addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals

Media of Concern: Groundwater

Site Location: Grid H5. Former Building 2213 was in the southeastern portion of the installation, in the northeast quadrant of the intersection of Pepper Road and Rock Avenue. SWMU 38 is located within the outline of OU-4.

Site Description: Former Building 2213 was identified as a potential SWMU in 1996 (BCM Engineers, Inc [BCM] 1996) because it was formerly used as a painting, sheet metal and sign fabrication shop from the 1960s until it was demolished in the mid-2000s.

Building 2213 was used to store small quantities of paints, lubricants, cleaners, and mineral spirits. The building also served as a drop-off point for oil-based and latex paints (unused and waste). The oil-based paints were stored in a hazardous waste locker on the northern side of the building. Latex paints were bulked into a 55-gallon drum and processed as non-regulated waste. Two 550-gallon heating oil USTs, formerly located along the southeast exterior wall, were removed in 1997.

Previous Studies: Over the course of previous investigations at this AOI, 4 surface soil samples (plus 1 duplicate), 11 subsurface soil samples (plus 2 duplicates), and 8 groundwater samples (plus 2 duplicates) were collected and submitted for laboratory analysis.

Current Use: Administrative and industrial.

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-96, was submitted to EPA and MDE in December 2014; however, comments from EPA regarding COCs required resolution. To finalize the RI/FS and HHRA and

address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. Overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas, and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are underway. Future work includes finalizing the Draft Final PP

(AECOM 2023) and preparation of a ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-96, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.14 FGGM-96 (OU-46/OU-4) – FORMER BUILDING 2266

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
SI	2002
PA	2010–2012
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: No sampling took place at this location.

Media of Concern: None identified

Site Location: Grid H5, in the southeastern portion of the installation, west of the intersection of Rock Avenue and Huber Road. Former Building 2266 falls within the geographical boundary of OU-4.

Site Description: Former Building 2266 was identified as an AOI because the 2006 FGGM IAP listed it as an AOI. No other information is available about past use that would qualify this building as an environmental AOI.

Previous Studies: This AOI was not identified in the *Solid Waste Management Unit Study* (BCM 1996) or the EPA (1996) historical aerial photograph study of the installation. Past use of the building is unknown. No stains, stressed vegetation, debris, or solid waste were identified in this area. The 2006 FGGM IAP lists a 6 September 2002 SI Report for Building 2266.

That report is not available for review. The 1952 land use map shows a spur of the railroad near Building 2266 and between Buildings 2271 and 2272. These buildings were probably used as warehouses.

Current Use: Part of the Asymmetric Warfare Group Headquarters (AWG HQ), now known as the 1st Capabilities Integration Group (1st CIG) complex.

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-96, was submitted to EPA and MDE in December 2014; however, comments from EPA regarding COCs required resolution. To finalize the RI/FS and HHRA and

address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are underway. Future work includes finalizing the Draft Final PP

(AECOM 2023) and preparation of a ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-96, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.15 FGGM-96 (OU-46/OU-4) – FURNITURE REPAIR SHOP, FORMER BUILDING 2276 (SWMUS 63 AND 64)

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
Sampling Visit	2000
SI	2001
PA	2010–2012
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs and metals

Media of Concern: Soil and groundwater

Site Location: Grid G5 and H5, in the southeastern portion of the installation, in the northeast corner of the intersection of Rock Avenue and Wilson Street. Former Building 2276 falls within the geographical boundary of OU-4.

Site Description: Building 2276 was constructed between 1910 and 1920 and used as a warehouse. Hazardous chemicals (paint thinners, adhesives, stains, and aerosols) were used and stored in small quantities at the facility. The building also contained a paint booth. The building was demolished in early 2012.

Previous Studies: Over the course of previous investigations at this site, 4 surface soil samples, 6 subsurface soil samples and 10 groundwater samples were collected and submitted for laboratory analysis.

Current Use: Area under development for construction of the AWG HQ (now the 1st CIG) complex and this location is now used for a storm water retention pond.

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-96/ SWMUs 63 and 64, was submitted to EPA and MDE in December 2014; however, comments from EPA regarding COCs required resolution. To finalize the RI/FS and HHRA and address outstanding regulatory

comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum, presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are underway. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD,

and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-96/ SWMUs 63 and 64, includes continued O&M of the remedial systems and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.16 FGGM-96 (OU-46/OU-4) – National Security Agency Motor Pool Equipment and Chemicals Storage Shed, Former Building 2287

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
RFA 3rd Phase	1999
PA	2010–2012
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs

Media of Concern: Groundwater

Site Location: Grid H5, in the southeastern portion of the installation, approximately 550 feet from the northeast corner of the intersection of Morrison and Wilson Streets.

Site Description: Former Building 2287, NSA MP Equipment and Chemicals Storage Shed (SWMU 68), was constructed in 1941 and used as a vehicle maintenance shed and later as a carpentry shop and storage facility for airplane platforms associated with the DOL Allied Trades. In 1996, the MP started storing equipment and small quantities of chemicals (lube oil, adhesives, and brake fluid) in the building. The building was demolished around 2000.

Previous Studies: Over the course of previous investigations at this site, six subsurface soil samples and two groundwater samples were collected and submitted for laboratory analysis.

Current Use: Parking lot

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-96, was submitted to EPA and MDE in December 2014; however, comments from EPA regarding COCs required resolution. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE and HC systems was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are underway. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-96/ Building 2287, includes continued O&M of the remedial systems associated semi-annual groundwater monitoring to monitor system performance under

the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.17 FGGM-96 (OU-46/OU-4) – PAINT STORAGE SHED, FORMER BUILDING 2288

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
RFA 3rd Phase	1999
PA	2010–2012
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs

Media of Concern: Groundwater

Site Location: Grid G5 and H5, in the southeastern portion of the installation, approximately 300-feet northeast of the intersection at Rock Avenue and Wilson Street.

Site Description: Former Building 2288 (SWMU 069) was a small, concrete-block storage building for Building 2276. The building was reportedly used in the past to store paints, thinners, and gasoline. Disposal practices in the building were unknown. Building 2288 is part of OU-4.

Previous Studies: Over the course of previous investigations at this site, three surface soil samples, four subsurface soil samples, and two groundwater samples were collected and submitted for laboratory analysis.

Current Use: Area under development for construction of the AWG HQ (now the 1st CIG) complex.

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-96, was submitted to EPA and MDE in December 2014; however, comments from EPA regarding COCs required resolution. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan, proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are underway. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses former Building 2288, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.18 FGGM-96 (OU-46/OU-4) – FORMER WASH RACK 5

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
PA	2010–2012
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H5. Former WR-5 was in the southeastern portion of the installation, approximately 650 feet northeast of the intersection of Morrison and Wilson Streets. AOI WR-5 falls within the geographical boundary of OU-4.

Site Description: WR-5 was identified as an AOI because the circa 1952 land use map (Anonymous [Anon.] 1952) listed WR-5 at this location. The 1996 aerial photograph study (EPA 1996) identified a WR-5 associated with Building 940, located in the northeastern portion of the installation. The circa 1952 land use map (Anon. 1952) did not identify a WR in the vicinity of Building 940; however, the naming of WRs in 1952 and 1996 may have been different. AOI WR-5 is part of OU-4.

Previous Studies: Over the course of previous investigations, three subsurface soil samples and one groundwater sample were collected.

Current Use: Parking lot

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-96, was submitted to EPA and MDE in December 2014; however, comments from EPA regarding COCs required resolution. To finalize the RI/FS and HHRA and address outstanding regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017. An RI Addendum presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs was finalized in 2019.

An IRA Work Plan proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE, and HC systems was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are underway. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-96/ former WR-5, includes continued O&M of the remedial systems and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.5.19 FGGM-96 (OU-46/OU-4) – DEBRIS AND STAIN – 1975

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
PA	2010–2012
RI/FS	2014
IRAR	2014
RI and FS Addendums	2016–2020
PP	2025
ROD	2026
RIP/RC	2027

Contaminants of Potential Concern: VOCs, SVOCs, metals

Media of Concern: Soil and groundwater

Site Location: Grid H5, in the southeastern portion of the installation, south of Morrison Street, east of Wilson Street, and west of Huber Road. Debris and Stain 1975 falls within the geographical boundary of OU-4.

Site Description: The EPA (1996) study described this AOI in the 1975 aerial photograph as: "debris has been deposited in this area and a dark stain is visible adjacent to a small building. The stain is aligned along a drainage pathway that leads from the building northeast into the nearby woods." The stain is not labeled on the 1975 aerial photograph (EPA 1996). The write-up for the 1988 aerial photograph (EPA 1996) says that staining is still present along the drainage way and solid waste is present in an accumulation of debris, although these features are not labeled on the photograph itself. The AOI is not labeled in the 1995 aerial photograph (EPA 1996), and no debris or stains are visible.

Previous Studies: Over the course of previous investigations near this AOI, 15 subsurface soil samples (plus 1 duplicate sample) and 2 groundwater samples were collected and submitted for laboratory analysis.

Current Use: Area under development for construction of the AWG HQ (now the 1st CIG) complex.

Current Status: A Final RI/FS document presenting "final" corrective actions for OU-4, which encompasses FGGM-96, was submitted to EPA and MDE in December 2014; however, comments from EPA regarding COCs required resolution. To finalize the RI/FS and HHRA and address regulatory comments, two supplemental groundwater sampling events targeting a select subset of monitoring wells and analytical parameters (e.g., limited metals) were completed in 2017.

An RI Addendum, presenting the supplemental sampling analytical results and a revised HHRA to resolve the outstanding regulatory comments on the COCs, was finalized in 2019.

An IRA Work Plan proposing interim "active" remedial alternatives, including in-situ chemical injections, installation, and operation of an AS/SVE and HC, was approved in December 2013. The overall objectives of the IRA are to improve groundwater quality across the OU-4/LPA Study Area through active remediation in selected areas and to reduce the potential for long-term impact to the LPA in off-post areas of Odenton. The AS/SVE and HC systems were constructed and brought online in March 2014. In-situ chemical injections were initiated in May 2014. The IRARs were finalized in October 2014, and groundwater monitoring and O&M activities are underway. Future work includes finalizing the Draft Final PP (AECOM 2023) and preparation of an ROD, RD, and RACR.

Cleanup/Exit Strategy: The cleanup/exit strategy for OU-4, which encompasses FGGM-96/ Debris and Stain 1975, includes continued O&M of the remedial systems, and associated semi-annual groundwater monitoring to monitor system performance under the IRA at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the forthcoming ROD.

2.1.6 FGGM-83 (OU-1) – FORMER TRAP AND SKEET RANGE, FORMER BUILDINGS 2046 AND 2047

Regulatory Driver: CERCLA

Environmental Investigations:

Environmental Baseline Survey (EBS)	1998
Sensitive Receptor Survey and Risk Assessment	1999 and 2008
CSA	1999–2000
Corrective Action Plan (CAP)	2002
SI	2004
Supplemental Testing Proposal	2007
HHRA	2009
RI	2013
FS	2019
PP	2023
ROD	2025
RAWP/RD	2025
RACR	2026

Contaminants of Potential Concern: PAHs and metals

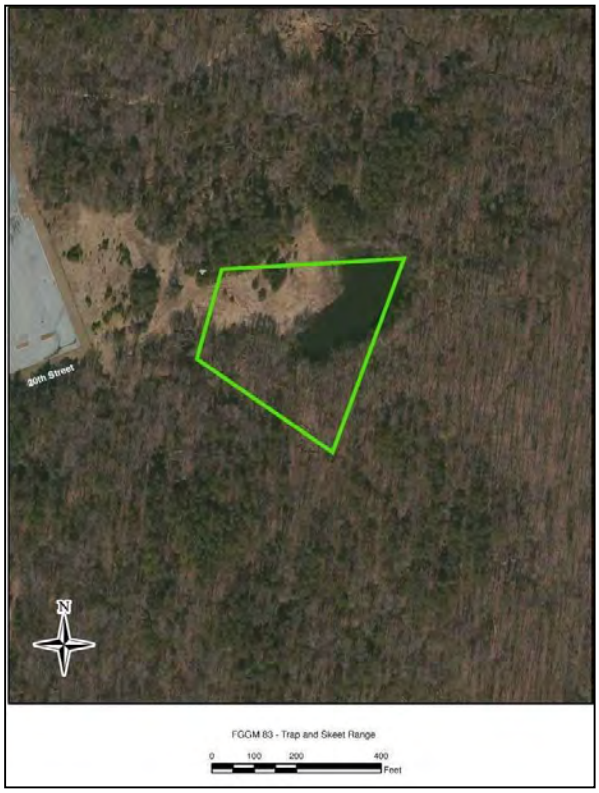
Media of Concern: Sediment, soil, and surface water

Site Location: Grid H2, at the eastern extent of 20th Street, approximately 1,400 feet east of the intersection with State Route 175.

Site Description: FGGM-83 is a former recreational trap and skeet range used by FGGM from the mid-1970s through 1994. The site contains a small concrete-block storage shed, grass-covered areas, a gravel access road, and a manmade pond (Kemron 2008). The former range consisted of a firing line, skeet houses, and a manmade pond. Two former buildings (Buildings 2046 and 2047) were located near the western site boundary. Both buildings were demolished in 2001. Building 2046 was formerly used by FGGM for equipment storage during operation of the trap and skeet range. Building 2047 was identified in 1996 as SWMUs 153 and 154 because disposal practices for the range and other recreation sources were unknown.

Previous Studies: Over the course of previous investigations at this site, 49 shallow soil samples, sediment at 10 locations, surface water at 8 locations, and groundwater at four locations were collected and analyzed.

In 2004, over 100 samples were collected from surface soil and shallow subsurface soil. In addition, 10 sediment samples and 7 surface water samples



were collected and analyzed. Additional pond sediment samples were collected in 2010. An RI was submitted in 2010; regulatory comments were received in March 2011; and a Final RI Report was approved by the EPA in 2011. The Final FS was approved by EPA and MDE in 2019, recommending surface soil removal above the PRGs for lead and lead shot in surface soil. A PP and public meeting were completed in 2023.

Current Use: Vacant and tree covered.

Current Status: The FFS and PP were approved in September 2019 and May 2023, respectively. The selected Remedial Alternative in the Draft ROD (U.S. Army 2023) is Soil Removal with LUCs. The ROD is pending finalization and the RD is currently underway.

Cleanup/Exit Strategy: Future work includes RAWP/RD, and RACR. Soil removal, five-year reviews and LUCs are anticipated.

2.1.7 FGGM-87 (OU-3) – FORMER NIKE CONTROL SITE, BUILDINGS 1974, 1976, 1977, AND 1978

Regulatory Driver: CERCLA

Environmental Investigations:

RI/FS	2008
Final Screening Level Ecological Risk Assessment	2009
Final Addendum to Safe Work Plan	2010
Revised RI	2011–2013, 2022
FS	2023
PP	2025
ROD	2026
RAWP/RD	2026
RACR	2026

Contaminants of Potential Concern: VOCs, SVOCs, PAHs, TCE, bis (2-ethylhexyl) phthalate, and metals

Media of Concern: Soil, groundwater, and indoor air

Site Location: Grid H2. FGGM-87 is the Directorate of Office Management complex located on Annapolis Road, approximately 200 feet south of the intersection of 20th Street and Annapolis Road.

Site Description: The site consists of four buildings that supported the former Nike missile fire control site from 1955 to 1972.

- Existing Buildings 1976 (SWMU 22) and 1978 (SWMU 24) are one-story, concrete-block, warehouse type structures, connected to each other by a narrow hallway.
- Building 1978 stored small quantities of hazardous materials.
- Building 1977 (SWMU 23) stored hazardous materials including paints, gasoline, diesel fuel, and adhesives.
- Building 1974 (SWMU 145), formerly located east of Building 1976, was a generator building prior to its demolition sometime between mid-1996 and early 1999.

Previous Studies: An RI/FS was submitted in January 2008. Regulatory comments were received in November 2008 and April 2009. Additional soil and groundwater samples were collected in a supplemental RI field effort in 2009. Based on additional EPA comments, sediment sampling and analysis was conducted adjacent to the site in 2010. A revised Final RI Report was submitted, and additional EPA comments were received. In March

2013, the RI Revision 03 was submitted, including Responses to EPA comments. A round of baseline sampling for all existing monitoring wells was completed in 2017. Additional data gap studies were completed in 2019 to address data gaps, including vapor intrusion sampling; an additional groundwater monitoring well was installed and sampled in 2018. The revised RI was finalized in 2022, and the FS was finalized in 2023. Monitored Natural Attenuation, LUCs, and 5-year Reviews are anticipated.

Current use: Building 1976 is used as a supply warehouse to store electronic equipment and computers. Building 1978 accommodates administrative activities. Building 1977 is used for metal storage.

Current Status: A draft PP is currently underway.

Cleanup/Exit Strategy: Future work includes a PP, ROD, RD, and RACR.

2.1.8 FGGM-93 (OU-36) – MANOR VIEW DUMP, INCLUDING INCINERATOR AND OLD LANDFILL – 1938

Regulatory Driver: CERCLA

Environmental Investigations:

PA/SI	2003
RI/FS	2003–2014
IRA	2005–2012
RA(C)	2007–2008
RA(O)	2008–2024
NTCRA	2011–2012
revised HHRA, FS, PP, and ROD	2014
RD	2015
RACR	2015
Explanation of Significant Difference (ESD)	2021
5-Year Review	2022, 2026
LTM	2014–2054

Contaminants of Potential Concern: Methane in soil gas, metals, and VOCs.

Media of Concern: Groundwater, soil, and soil gas

Site Location: Grid G3, near the intersection of MacArthur Road and 2nd Corps Boulevard.

Site Description: The boundaries of the site include a group of residential housing units to the north (Phelps Avenue), 2nd Corps Boulevard to the south, Hayden Drive to the west, and MacArthur Road to the east. The developed land surrounding the former dump site includes the Potomac Place neighborhood and Manor View Elementary School. FGGM-93 was discovered in 2003 while moving earth for the housing privatization initiative at FGGM. Municipal waste from the 1940s (based on recovered, dated materials) was uncovered.

Previous Studies: Soil, groundwater, sediment, surface water, ambient/indoor air, and soil gas data were collected and analyzed. The area of buried waste was temporarily fenced with barricade safety fencing, which was replaced with chain-link fence when the landfill gas migration control system was installed in August 2005 (Plexus 2008). A passive vent trench was installed and later upgraded to a soil vapor extraction system with a blower to enhance vapor capture (Plexus 2006). An NTCRA to remove 27,700 tons of nonhazardous methane-generating waste was completed in the summer of 2012, and the extraction system was turned off in August 2012. A revised HHRA, and FS were finalized in

June 2014.

Current Use: Grass field

Current Status: The methane extraction system is shut off, and annual methane monitoring is being performed as part of the LTM activities. The residents of Hayden Drive and Phelps Avenue in the Potomac Place neighborhood were relocated in December 2005, and the houses were reoccupied in 2015. The PP and ROD were finalized in June and October 2014, respectively, and a Variance Request Report was approved in July 2013, which provided an engineering analysis request for a variance from Code of Maryland Regulations landfill requirements. The selected remedy is maintenance of existing soil cover, LUCs, and LTM of groundwater, soil gas, and indoor air. In 2020, a submembrane depressurization system was installed in the Elementary School crawl space to address TCE in indoor air, as documented in the 2021 ESD report. A 5-Year Review was completed in 2021 and signed in 2022.

Cleanup/Exit Strategy: The alternative in the ROD includes monitoring and maintenance of the existing soil cover, groundwater monitoring, soil

gas methane monitoring, indoor air sampling, and LUCs. The Revised Final RD was submitted in August 2015, and the Final RACR was submitted in December 2015. Currently, soil gas and groundwater are monitored on an annual basis, indoor air in Manor View Elementary School on an annual basis and mowing and LUCs inspections are performed annually in addition to continuous operation of the submembrane depressurization system. The next 5-Year Review will be in 2026.

2.1.9 FGGM-95 (OU-45) – FORMER LANDFILL SITES

2.1.9.1 FGGM-95 (OU-45) – INACTIVE LANDFILL 4

Regulatory Driver: CERCLA

Environmental Investigations:

SI	1992
Sampling Visit	1992
Historical Aerial Photograph Study	1996
RI	1998
PA/SI	2010–2015
RI/FS	2016–2020
PP	2021
ROD	2025

Contaminants of Potential Concern: VOCs, SVOCs, pesticides, PCBs, and metals

Media of Concern: Groundwater, soil, and sediment

Site Location: Grid F5, in the southwestern portion of the installation, north and adjacent to State Route 32 along the southwestern border of the installation.

Site Description: IAL4 is approximately 2 acres. Historical aerial photographs indicate that the AOI was active from the 1950s to the 1970s as a rubble disposal area.

Previous Studies: Although IAL4 is within current installation boundaries, it was initially characterized during an SI Study for the BRAC parcel (EA 1992a). Over the course of previous investigations at this AOI, two sediment samples (plus one duplicate) and nine groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels.

As part of the PA/SI, test pits were excavated, and two subsurface soil samples were collected and analyzed for VOCs, SVOCs, metals, pesticides, herbicides, TPH-GRO, TPH-DRO, PCBs, and dioxins. The concentrations of arsenic, iron, and copper in soil cause excess risk at this AOI.

Current Use: Wooded area

Current Status: The Final PA/SI Report has been approved. The RI/FS was finalized in 2020, and the Proposed Plan was finalized in March 2021.

Cleanup/Exit Strategy: The selected remedy includes excavation of accessible waste with a capping of remaining waste adjacent to Route 32, followed by LTM of the cap, LUCs if waste remains, and LTM of groundwater and soil gas. The ROD is under review and anticipated to be finalized in 2025.

2.1.9.2 FGGM-95 (OU-45) – PRE-WORLD WAR II LAUNDRY AT UNITED STATES ARCHITECT OF THE CAPITOL

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Phase I Site Assessment	1994
RI	2013
FS	June 2014
PP	July 2014
ROD	September 2014

Contaminants of Potential Concern: Metals and VOCs

Media of Concern: Groundwater

Site Location: Grid H5, in the southern portion of the installation, on the northern boundary of the USAOC parcel.

Site Description: The Pre-WWII Laundry Facility was identified as an AOI because the 1934 Special Military Map (Camp Meade 1934) listed a laundry facility at this location. The laundry was also identified on a circa 1917 map of Camp Meade (MGS 1917) and a 1923 Special Military Map (Camp Meade 1923). The laundry was demolished (date unknown), and the USAOC firefighting water tank now resides on the former laundry site. The EPA reviewed historical aerial photographs (from 1938 to 1995) of FGGM and found no stains, stressed vegetation, debris, solid waste, or other areas of environmental concern at this AOI (EPA 1996).

Previous Studies: Two Geoprobe™ borings (DPT/GW9 and DPT/GW10) were advanced near this site in 2007. Soil and groundwater grab samples were collected. In 2010, two closely spaced wells (MW-102s and MW-101d) were installed just east of the site. MW-102s and MW-101d were sampled in 2010, and volatile organics, most notably PCE, were detected at 3.82 micrograms per liter (µg/L) and 139 µg/L, respectively.

Current Use: USAOC firefighting water tank. The area is fenced.

Current Status: The USAOC PP and ROD were finalized in July and September 2014, respectively. The selected remedy is hot spot soil excavation with off-site disposal. Groundwater is addressed under OU-4 since there are no specific identifiable sources on the USAOC parcel (refer to Section 2.1.5).

Cleanup/Exit Strategy: The groundwater cleanup/exit strategy for OU-4, which encompasses the Pre-WWII Laundry Facility area, includes continued O&M of the removal actions currently operating at OU-4 followed by the "final" corrective action agreed upon by all stakeholders in the OU-4 ROD.

2.1.10 FGGM-96 (OU-46) – FORMER MOTOR POOLS, WASH RACKS, AND BUILDINGS

2.1.10.1 FGGM-96 (OU-46) – FORMER MOTOR POOL 7 (MP-7)/WASH RACK 6 (WR-6)

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2007
PA/SI 2010–2015
Supplemental Site Investigation (SSI) 2016–2020
RI 2025

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H4/5, in the southeastern portion of the installation, northeast of Chamberlain Avenue, southwest of State Route 175, southeast of 4th Street, and northwest of State Route 32.—SWMU 10 - Building 294 is in the northwest corner of this AOI. SWMU 10 is being addressed separately (Section 2.5.15.1).

Site Description: Staining was observed at this AOI in 1943, 1957, and 1963 aerial photographs (EPA 1996). In the write-up for the 1995 aerial photograph, the EPA (1996) no longer identifies this AOI as a vehicle service and storage area.

Previous Studies: Over the course of previous investigations at this AOI, five subsurface soil and three groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic, iron, vanadium, and chromium elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, six surface soil samples were collected and analyzed for VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals; two subsurface soil samples were collected and analyzed for metals; six groundwater monitoring wells were installed, and groundwater samples were collected and analyzed for VOCs, TPH- DRO, TPH-GRO, total metals, and dissolved metals. Soil does not pose a risk at this AOI. Groundwater was further investigated as part of the SSI; the six wells were resampled and analyzed for total metals, and hexavalent chromium. The SSI concluded that cobalt in groundwater cause excess risk.

Current use: Building 294 and a wooded field.

Current Status: The Final PA/SI and SSI Reports have been approved. The Final SSI report recommended an RI for this site for cobalt in groundwater. An RI workplan for cobalt in groundwater was finalized in 2024.

Cleanup/Exit Strategy: An RI is underway, and completion is expected in 2025.

2.1.10.2 FGGM-96 (OU-46) – 6TH STREET AND CHISHOLM AVENUE

Regulatory Driver: CERCLA

Environmental Investigations:

Site Assessment 2010
PA/SI 2010–2015
SSI 2016–2020
UST Closure 2018
RI 2025

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H4, in the southeastern portion of the installation, along Chisholm Avenue and 6th Street.

Site Description: 6th Street and Chisholm Avenue is an AOI because discolored soil with an unusual odor was uncovered during trenching for the installation of a communications duct bank.

The SSI report combined this AOI with Building 2501 due to the proximity of the two AOIs.

Previous Studies: This AOI is a closed case with the MDE-Oil Control Program (OCP) under Case Number 2011-0421-AA. Samples were collected from this AOI on 25 occasions: during construction of the communications duct bank, as part of the preliminary Site Assessment, during the SI, and 23 times during the OCP investigation.

Over the course of previous investigations at this AOI, subsurface soil samples and over 200 groundwater samples were collected and submitted for laboratory analysis for a combination of VOCs, SVOCs, TPH-DRO, metals, and PCBs. Fuel-related compounds were identified as one of the contaminants. A geophysical investigation identified buried tanks as the potential source of petroleum. Two 500-gallon USTs and one 55-gallon drum were removed and disposed of along with 1,589 tons of petroleum-impacted soil and 20,869 gallons of impacted groundwater/rainwater.

Based on a risk analysis of the analytical results, surface and subsurface soil were recommended for NFA and cobalt is the only compound driving risk in groundwater.

Current Use: Vacant lot

Current Status: The Final PA/SI and Final SSI Reports have been approved. USTs were found and

excavated along with petroleum-contaminated soil in 2018. The MDE Oil Control Program (OCP) site for liquid petroleum hydrocarbon (LPH) was approved to be closed in 2020 pending abandonment of monitoring wells. The wells were abandoned on April 15, 2020. The Final SSI report recommended an RI for this site. An RI workplan for cobalt in groundwater was finalized in 2024. The RI will be grouped as a geographic unit due to close proximities with Building 2501 and 6th Street & Chisholm Avenue.

Cleanup/Exit Strategy: An RI is underway, and completion is expected in 2025.

2.1.10.3 FGGM-96 (OU-46) – MAINTENANCE SHOP, WASH RACK, AND OIL/WATER SEPARATOR, FORMER BUILDINGS 2227 AND 2224, AND BUILDING 2234

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
SWMU Study	1996
Sampling Visit	1999
Initial Delineation Report	2001
PA/SI	2010–2015
SSI	2016–2020
RI	2025

Contaminants of Potential Concern: VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals

Media of Concern: Soil and groundwater

Site Location: Grid H5, in the southeastern portion of the installation, northeast of the intersection of 3rd Street and Pepper Road.

Site Description: Constructed in 1941, Building 2227 (SWMU 147) was used as a vehicle repair shop until the mid-1980s. The WR (SWMU 44 and Building 2234) was used to wash vehicles and equipment; it discharged waste wash water to the OWS (SWMU 43), which discharged to the sanitary sewer system. By 1996, Building 2227 was no longer in use, and by 1999 the building, WR, and OWS had been demolished and removed. A former gas station was located southwest of Building 2234.

The SSI report combined this AOI with Stained Soils Along 3rd Street due to the proximity of the two AOIs.

Previous Studies: Over the course of previous investigations at this AOI, four surface soil, 31 subsurface soil samples and 21 groundwater samples were collected and submitted for laboratory analysis that included VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO. Petroleum-free products were observed at locations GW18 and GW25. A clay layer up to 32 feet thick was encountered in the subsurface at this AOI. Samples were collected above and below the clay layer. Based on a risk analysis of the analytical results, the SI recommended NFA for surface and subsurface soil and the SSI identified cobalt in the groundwater beneath the clay layer and both cobalt and manganese in groundwater above and below the clay layer as the primary risk drivers at this AOI.

Current Use: Grass field and administrative

Current Status: The Final PA/SI Report has been approved. The EPA approved NFA for Building 2234 on 18 April 2016. The Final SSI report recommended an RI for this site for cobalt and manganese in groundwater for Former Buildings 2227 and 2224. An RI workplan for cobalt and manganese in groundwater was finalized in 2024. The RI will be grouped as a geographic unit due to close proximities with Stained Soils Along 3rd Street (STSO).

Cleanup/Exit Strategy: An RI is underway, and completion is expected in 2025.

2.1.10.4 FGGM-96 (OU-46) – MAINTENANCE, BUILDING 2501

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visit	2000
RCRA and Data Gap Reports	2003
PA/SI	2010–2015
SSI	2016–2020
RI	2025

Contaminants of Potential Concern: TPH-DRO, TPH-GRO, VOCs, and metals

Media of Concern: Soils and groundwater

Site Location: Grid H4, in the eastern portion of the installation, northwest of the intersection of Chisholm and Llewellyn Avenues.

Site Description: Building 2501 (SWMUs 075 and 076) was used as an equipment receiving and shipping facility in support of intelligence agencies. The facility had a foam pack machine that used a foam component and a hardener component (polymeric isocyanate). The polymeric isocyanate was stored in drums inside the building, and when the drums were empty, they were disposed through the DRMO.

The SSI report combined this AOI with 6th and Chisholm due to the proximity of the two AOIs.

Previous Studies: Over the course of previous investigations at this site, 5 surface soil samples, 19 subsurface soil samples, and 5 groundwater samples were collected and submitted for analysis. A sheen was observed at location SB-1. Based on a risk analysis of the analytical results, the PA recommended NFA for surface and subsurface soil and the SSI identified cobalt in groundwater as the primary risk driver.

Current Use: Administrative

Current Status: The Final PA/SI and SSI Reports have been approved. The Final SSI report recommended an RI for this site for cobalt in groundwater. An RI workplan for cobalt in groundwater was completed in 2024. The RI will be grouped as a geographic unit due to close proximities with6th Street& Chisholm Avenue.

Cleanup/Exit Strategy: An RI is underway, and completion is expected in 2025.

2.1.10.5 FGGM-96 (OU-46) – VEHICLE MAINTENANCE AND FORMER WASH RACK 1, BUILDING 8485

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
RFA 3rd Phase	1999
SI	2001, 2002
PA/SI	2010–2015
SSI	2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, metals, and PCBs

Media of Concern: Soil and groundwater

Site Location: Grid F5, in the southwestern portion of the installation in the southeast quadrant of the intersection of O'Brien Road and Simonds Street.

Site Description: Building 8485 (SWMUs 115 and 116) was an MP and maintenance shop. A former WR (SWMU 116A) located west of Building 8485 was discontinued in 1994 and paved with concrete in 1999. The WR discharged wash water to the sanitary sewer, where it was treated at a sewage treatment plant.

A used oil AST was located on the north side of the building. A 2,000-gallon UST, used to store No. 2 heating oil, was formerly located on the eastern side of the building. It was removed and clean closed in 1989 and replaced by another 2,000-gallon heating oil UST that was removed and clean closed in 1999.

The SSI report combined this AOI with Building 8486 due to the proximity of the two AOIs.

Previous Studies: A dark stained liquid (1970), vertical tanks (1943–1947), and possible dump/waste storage (1943) were identified in the EPA (1996) study.

Over the course of previous investigations at this AOI, 5 surface soil samples, 35 subsurface soil samples (plus 3 duplicates), and 23 groundwater samples (plus 5 duplicates) were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, chromium, benzene, arsenic, naphthalene, 1,2,4-trimethylbenzene, ethylbenzene, iron, and toluene elevate the risk numbers above the site-specific action levels.

During the PA/SI, 3 surface soil samples and 2 subsurface soil samples were collected, and 13

additional groundwater monitoring wells were installed and sampled.

All samples were analyzed for VOCs, SVOCs, metals, PCBs (only four groundwater samples), and TPH-DRO and TPH-GRO (one subsurface soil sample). The concentrations of chromium, cobalt, and 1,2,4-trimethylbenzene in soil and naphthalene, arsenic, benzene, chromium, ethylbenzene, benzo(a)pyrene, iron, 2-methylnaphthalene, 1,2,4-trimethylbenzene, dibenzofuran, manganese, thallium, 1,3,5-trimethylbenzene, xylenes, and cobalt in groundwater cause excess risk at this AOI.

Current Use: Parking lot and vehicle storage

Current Status: The Final PA/SI and SSI Reports have been approved. The MDE OCP is requesting further analysis for LPH. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021, approving NFA for this AOI.

Cleanup/Exit Strategy: Although this AOI has been approved by the EPA for NFA, the site remains open with MDE OCP.

2.1.10.6 FGGM-96 (OU-46) – MAINTENANCE SHOP, BUILDING 8486

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
SWMU Study	1996
RFA 3rd Phase	1999
SI	2001
PA/SI	2010–2015
SSI	2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, metals, PCBs, TPH-DRO, and TPH-GRO

Media of Concern: Soils and groundwater

Site Location: Grid F5, in the southwestern portion of the installation, southeast of the intersection of Grant Road and Simonds Street.

Site Description: Building 8486 (SWMUs 117 and 118) was constructed in 1950 and used as a military vehicle and equipment maintenance and repair shop.

Asphalt and concrete parking lots that contain several sheds used to house paints, oils, antifreeze, and used oil are located west of Building 8486.

An 800-gallon used oil AST is present on the east side of Building 8486.

Two USTs (one 2,000-gallon and one 2,500-gallon) once existed between the building and Grant Road. The tanks were used to store heating oil for the building's furnace. The 2,000-gallon tank was installed in 1979 and removed in 1994. The 2,500-gallon tank was installed in 1995 and removed in 1999.

Small quantities of hazardous chemicals have historically been used and stored in storage cabinets at designated areas at this AOI.

The SSI report combined this AOI with Building 8485 due to the proximity of the two AOIs.

Previous Studies: Over the course of previous investigations at this AOI, 19 subsurface soil samples and 19 groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, 1,2,4-trimethylbenzene, arsenic, naphthalene, and chromium elevate the risk numbers above the site-specific action levels.

During the PA/SI, five groundwater monitoring wells were installed and sampled for VOCs, total and dissolved metals, PCBs, TPH-DRO, and TPH-GRO. Soil does not pose a risk at this AOI. The concentrations of naphthalene, arsenic, 2-methylnaphthalene, iron, manganese, dibenzofuran, 1,1-biphenyl, and cobalt in groundwater cause excess risk at this AOI.

Current Use: Maintenance

Current Status: The Final PA/SI and SSI Reports have been approved. The MDE OCP is requesting further analysis for LPH. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021, approving NFA for this AOI.

Cleanup/Exit Strategy: Although this AOI has been approved by the EPA for NFA, the site remains open with MDE OCP.

2.1.10.7 FGGM-96 (OU-46) – STAINED SOILS ALONG 3RD STREET (STSO)

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
Initial Response	2009
PA	2009
PA/SI	2010–2015
SSI	2016–2020
RI	2025

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil and groundwater

Site Location: Grid H5, in the southeastern portion of the installation, along 3rd Street, between Chisholm Avenue and Pepper Road.

Site Description: Stained Soils along 3rd Street (STSO) is an AOI because on 9 March 2009, discolored soils with an unusual odor were encountered during trenching operations for a communications duct bank. The site location is near former Building 2227, a former vehicle maintenance shop. Along a 30-foot section of the trench, there appeared to be areas of petroleum seepage from the trench wall at a depth of 3 feet. Approximately 160 feet of excavated soil was screened with a photoionization detector (PID).

The SSI report combined this AOI with Buildings2227 and 2224 due to the proximity of the AOIs.

Previous Studies: Over the course of previous investigations at this AOI, 13 subsurface soil samples and four groundwater sample were collected and submitted for laboratory analysis that included VOCs, SVOCs, metals, TPH-DRO, and TPH-DRO. A clay layer up to 32 feet thick was encountered in the subsurface at this AOI. Samples were collected above and below the clay layer. Based on a risk analysis of the analytical results, the SI recommended NFA for surface soil, and the SSI recommended NFA for the subsurface soil, and the SSI identified cobalt in groundwater beneath the clay layer and both cobalt and manganese in groundwater above and below the clay layer as the primary risk drivers.

Current Use: Open field

Current Status: The Final PA/SI and SSI Reports have been approved. The Final SSI report recommended RI for this site for cobalt and manganese in groundwater. An RI workplan for cobalt in groundwater was completed in 2024. The RI will be grouped as a geographic unit due to close proximities with Buildings 2227, and 2224.

Cleanup/Exit Strategy: An RI is underway, and completion is expected in 2025.

2.1.11 CCFGGM-97 – CELL 3

Regulatory Driver: CERCLA/RCRA (for post closure LTM)

Environmental Investigations:

RI/FS ..... 2001–2014 (CSL)
PP ..... 2016–2020 (CSL)
ROD ..... 2016–2020 (CSL)
RI/FS ..... 2016–2020 (Cell 3)
Engineering Evaluation/Cost Analysis (EE/CA) ..... 2019–2019 (Cell 3)
Action Memo ..... 2019–2019 (Cell 3)
PP ..... 2020, 2025 (Cell 3)
Interim After Action Report ..... 2021 (Cell 3)
ROD ..... 2026(CSL & Cell 3)

Contaminants of Potential Concern: No chemical contaminants identified; concern is buried waste exposed at the ground surface, pending an RI.

Media of Concern: None identified, pending an RI

Site Location: Grids H5, I5, H6, I6, along the southeastern boundary of the installation, south of State Route 32.

Site Description: Cell 3 is part of the CSL (FGGM-17). Please see Section 2.1.4 for a description of the CSL. FGGM-17 was divided into three cells; Cells 1 and 2 were capped with clay in 1992; Cell 3 is not a defined disposal area, so it was not capped or included in the RCRA permit. In 2013, it was discovered that Cell 3 may be larger than originally thought requiring additional RI work. As a result, Cell 3 is being investigated and included in a separate CERCLA Decision Document as CCFGGM-97.

Previous Studies: During implementation of the 2007 Groundwater RI for the CSL, six test pits were installed across Cell 3. Test pits and soil samples identified buried waste and exceedances of industrial risk-based criteria in soil at Cell 3. Additional fieldwork was completed for the RI/FS to fully characterize the site.

Current Use: Undeveloped and soil stockpile

Current Status: An EE/CA has been completed, and the public comment period occurred in June 2019. An Action Memo has been completed and was approved by EPA in November 2019. The RI/FS was finalized in October 2020, and a draft PP was submitted for regulatory review in July 2020. Repair and maintenance of the two-foot soil cover on Cell 3, as an Interim Action, began in 2019 and completed in 2020 with removal of erosion and sediment controls pending soil stabilization. A PP/ROD is underway and will be completed presenting the proposed and selected remedial alternatives for Cell 3 along with Cells 1 and 2 (FGGM-17) and will be included as part of the final ROD.

Cleanup/Exit Strategy: Maintenance of the two-foot soil cover on Cell 3 is anticipated to continue. A revised PP/ROD will be completed presenting the proposed and selected final remedial alternatives for Cell 3 and will also include Cells 1 and 2, respectively.

2.2 MILITARY MUNITIONS RESPONSE PROGRAM (MMRP) OPEN AOI

2.2.1 FGGM-003-R (OU-40) – FORMER MORTAR RANGE MUNITIONS RESPONSE SITE

2.2.1.1 FGGM-003-R-01 (OU-40) – MORTAR AREA MUNITIONS RESPONSE SITE

Regulatory Driver: CERCLA

Environmental Investigations:

Geophysical Survey	2004
EBS	2007
SI	2007
RI	2008–2011
FFS	2012
PP	2012
ROD	2012
RD	2013
Remedial Action Report (RAR)	2014
5-Year Review	2016, 2022, 2026

Contaminants of Potential Concern: MEC

Media of Concern: Soil

Site Location: Grid F4, in the southern portion of the Munitions Response Area (MRA), extending from Mapes Road northwest.

Site Description: This AOI consists of the approximately 62-acre former training mortar range. The period of use for the Mortar Area MRS is estimated as the early 1920s to the early 1940s. Evidence supports that only practice mortar rounds were fired at the Mortar Area MRS. The firing point is estimated to be in the southwest corner of the Mortar Area MRS. Also, unused small arms ammunition was reportedly discarded at the MRS; however, no evidence supports the use of small arms ammunition at this MRS.

Previous Studies: Over the course of previous investigations, approximately 36 soil samples and 2 groundwater samples were collected and analyzed for selected metals and explosives in the Mortar Area MRS. Stakeholders confirmed NFA for munitions constituents (MC).

Current Use: A secure DoD facility is present in the northern portion. The southwest corner is a gas station, and the southeast corner remains undeveloped.

Current Status: The qualitative risk evaluation performed revealed a low probability for human receptors to encounter MEC at the MRS. The low probability result of this evaluation is compatible with current and determined, or reasonably anticipated future use.

Cleanup/Exit Strategy: An RD for the selected response action consisting of LUCs with LTM was implemented in August 2013, and the Final RACR was signed by the Army and EPA in May 2014.

The first annual LUC inspection (visual inspection of engineering controls/signs and surface sweep for MEC in undeveloped areas) occurred in September 2014. The most recent annual LUC inspection was completed in November 2024. Future work includes continued annual LUC inspections and surface sweeps for MEC. LUC maintenance, if required, will be conducted, as recommended in the annual reports. The next 5-year review is scheduled in 2026.

2.2.1.2 FGGM-003-R-02 (OU-40) – TRAINING AREA MUNITIONS RESPONSE SITE

Regulatory Driver: CERCLA

Environmental Investigations:

Geophysical Survey	2004
EBS	2004
SI	2007
RI	2008–2011
FFS	2012
PP	2012
ROD	2012
RD	2013
RAR	2014
5-Year Review	2016, 2022, 2026

Contaminants of Potential Concern: MEC

Media of Concern: Soil

Site Location: Grid F4, in the northern portion of the MRA, extending from Mapes Road northwest to Rockenbach Road. The Training Area MRS surrounds the Mortar Area MRS (see FGGM-003-R-01, Section 2.2.1.1).

Site Description: This AOI consists of the 260-acre Training Area MRS, where five munitions debris (MD) items were found, including practice grenades, an expended flare, and a small arms ammunition casings disposal pit. The practice grenades and expended flare are indicative of general troop training, and the small arms ammunition casing disposal pit is indicative of disposal.

Previous Studies: Over the course of previous investigations, approximately 20 soil samples and 6 groundwater samples were collected in the Training Area MRS and analyzed for selected metals and explosives. Stakeholders confirmed NFA for MC in the RI.

Current Use: A secure DoD facility is present in the eastern portion of the MRS, and the western portion is already developed.

Current Status: The qualitative risk evaluation performed revealed a low probability for human receptors to encounter MEC on the MRS. The low probability result of this evaluation is compatible with current and determined or reasonably anticipated future use.

Cleanup/Exit Strategy: An RD for the selected response action consisting of LUCs with LTM was implemented in August 2013, and the Final RAR was signed by the Army and EPA in May 2014.

The first annual LUC inspection (visual inspection of engineering controls/signs and surface sweep for MEC in undeveloped areas) occurred in September 2014.

The most recent Annual LUC inspection was completed in November 2024. Future work includes continued annual LUC inspections and surface sweeps for MEC. LUC maintenance, if required, will be conducted, as recommended in the annual reports. The next 5-year review is scheduled in 2026.

2.2.2 FGGM-007-R-01 (OU-44) – INACTIVE LANDFILL 2

Regulatory Driver: CERCLA

Environmental Investigations:

PA	1989
SI	1991
RI	1998
DoD Safety Precautions	1998
ROD	1999
Long-Term Monitoring Plan (LTMP)	2001
Maintenance Inspection Reports	Annually
MMRP Historical Records Review	2006
MMRP SI	2007
5-Year Reviews	2022, 2026

Contaminants of Potential Concern: MEC

Media of Concern: Soil

Site Location: Grid E6, east of State Route 198, south of State Route 32, and south of the TAP, on approximately 10 acres of land north of Wildlife Loop.

Site Description: IAL2 was initially operated as a soil borrow area starting around 1938.

Sometime after 1952, the area was operated as an unlined rubble disposal area, but it reached its maximum capacity by 1963. Continued disposal activity occurred after 1980 in the northern portion of IAL2, where graded and disturbed areas are visible in 1986 aerial photographs.

During the RI fieldwork, piles of rubble (brush, concrete, and asphalt debris), which appear to be of more recent origin, were observed in a marshy area on the north side of IAL2. The site could not be cleared of ordnance due to large amounts of rubble debris and wetlands.

This site is currently in the MMRP. IAL2 is also part of AEDB-R number FGGM-31, along with IAL3. FGGM-31 is discussed separately in this SMP (Section 1.1.7) because it is funded under the BRAC program. IAL3 is a BRAC site, and information about IAL3 can be found under the BRAC Section 1.1.7 of the SMP. Groundwater at IAL2 and IAL3 is covered under FGGM-31.

Previous Studies: Over the course of previous investigations, a fence was constructed around IAL2. The 2015 Annual Maintenance Inspection Report recommended to continue inspection, clear vegetation from the fence line, and remove downed trees. The 2016 Annual Maintenance Inspection

Report recommended continuing annual inspections, clear vegetation along the fence line, monitor water levels in the wetland area along the northern portion of the site, complete repairs to fence, inspect the site after significant storm events and inspect warning signs.

Current Use: Grass, trees, and wetlands

Current Status: A maintenance inspection of the fence and signage surrounding IAL2 is conducted annually. Mowing and vegetation clearing around the perimeter fence are conducted as needed, and surface sweeps of the mowing path for MEC are conducted prior to mowing activities. Any necessary repairs to the perimeter fence or associated LUC signage are addressed as necessary. Vegetation was cleared along the perimeter fence, and the integrity of the fence has been maintained annually since 2012.

In 2016, five faded warning signs were replaced. In 2017, six additional warning signs were added to the fence perimeter and the fence was repaired. Additional fence repairs were completed in 2018, 2019, 2022, 2023, and 2024. Groundwater is currently monitored under a 1999 ROD for FGGM-

31. A 5-Year Review was completed in 2021 and signed in 2022.

Cleanup/Exit Strategy: Future work includes continued monthly and annual maintenance inspections as indicated in the schedule in Section 3. LUC maintenance, if required, will be conducted, as recommended in the annual reports. The next 5-Year Review is scheduled for 2026.

2.3 BASE REALIGNMENT AND CLOSURE OPEN AREAS OF INTEREST

2.3.1 FGGM-10 (OU-8) – INACTIVE LANDFILL 1

Regulatory Driver: CERCLA

Environmental Investigations:

PA	1989
SI	1991
RI	1998, 2023
DoD Safety Precautions	1998
ROD	1999
LTMP	2001, 2012
LTM	2004–2055
5-Year Reviews	2005, 2011, 2017, 2021
ESD	2014
Land Use Control Remedial Design (LUCRD)	2015

Contaminants of Potential Concern: Arsenic, iron, manganese, and MEC

Media of Concern: Groundwater

Site Location: Grid E5, east of State Route 198 and south of State Route 32, in the western portion of the TAP, between Bald Eagle Drive and the Little Patuxent River.

Site Description: IAL1 was used as an unlined sanitary landfill from approximately 1950 to 1964. No information has been found on the types of material disposed of at this location. A small concrete blockhouse, formerly used as a communications building, is present on the northwest corner of IAL1.

Previous Studies: Over the course of previous investigations at this site, an earthen MEC safety cap was installed over IAL1.

Current Use: Inactive

Current Status: Soil LUCs prohibit groundwater use, conducting any surface or subsurface excavations, digging, well drilling, or other disturbance of soil. Groundwater LUCs prevent use of groundwater extraction for purposes other than monitoring. LTGM is conducted every 5 years to coincide with 5-Year Reviews.

The Final TAP ESD was submitted in May 2014. The ESD modifies the June 1999 ROD to address 1) the need for sweeps for ordnance, 2) appropriate disposal of ordnance if discovered, and 3) LUC requirements. The Army submitted a TAP LUCRD in June 2015 that details how to implement, maintain, and enforce the LUCs at IAL1 and incorporate them into the CERCLA process. Sampling for per- and polyfluoroalkyl substances (PFAS) was initiated in May 2023 during an RI. The second phase of the RI sampling is underway with quarterly sampling through 2025.

Cleanup/Exit Strategy: Continue the corrective measures (LUCs with LTGM every 5 years) and continue 5-Year Reviews. The next 5-Year Review is due September 2026. Inspection and monitoring of the LUCs are documented in accordance with the LUCRD. PFAS remediation requirements pending RI/FS results.

2.3.2 FGGM-94 (OU-37) – TRAP AND SKEET RANGE 17

Regulatory Driver: CERCLA

Environmental Investigations:

Ordnance Survey	1995
Site-Wide Groundwater Study	1999
HHRA/Ecological Risk Assessment	2004, 2014
Statement of Work for RI	2008, 2013
RI/FS	2011, 2014
PP	2014
ROD	2014
LUCRD	2016
Remedial Action Completion Report	2018
MEC LUCs LTM	2014–2053
5-Year Review	2021

Contaminants of Potential Concern: Arsenic, lead, copper, PAHs, nitroglycerin, and MEC

Media of Concern: Soil

Site Location: Grid D7, in the central portion of the PRR-North Track (PRR-NT).

Site Description: This AOI consists of the remnants of trap and skeet ranges. The skeet range was present as early as 1965, and the trap range was present as early as 1984. Features that were present include a high house, a low house, cement walkways, and a rather heavily forested area.

Previous Studies: Investigations over the course of several years determined elevated lead, arsenic, copper, lead shot and PAHs were detected in soil. The September 2014 ROD selected soil excavation and disposal as the remedial action and MEC LUCs. Remediation fieldwork to achieve the remedial action objectives (RAOs) included the excavation of approximately 18,360 cubic yards of contaminated soil. A total of 27,372.1 tons of non-hazardous and hazardous characteristic soil was transported and disposed of offsite. Additionally, 1,278 tons of tree stump mulch was transported and disposed of offsite (including 219.3 tons of hazardous characteristic mulch). Site restoration included backfill and topsoil across the entire excavation area and the area was permanently seeded. The Vernal Pools Trail was restored with mulch, and trees were planted and maintained for 1 year to ensure survivability.

Current Use: Inactive

Current Status: A Final Remedial Action Completion Report was submitted in December 2018.

Cleanup/Exit Strategy: The next MEC LUCs 5-Year Review for this site will be conducted in 2026.

2.3.3 FGGM-20 (OU-15) – ORDNANCE DEMOLITION AREA

Regulatory Driver: CERCLA

Environmental Investigations:

SI	1994
RI/FS	2002
FFS	2002
LTMP	2003, 2012
LTM	2004–2024
PP	2011
ROD	2011
LUCRD	2013
Interim Remedial Action Completion Report (IRACR)	2013
5-Year Review	2021

Contaminants of Potential Concern: Cyclotrimethylene trinitramine (RDX), trinitrotoluene (TNT), amino-dinitrotoluene, chlorinated VOCs, cadmium, and MEC.

Media of Concern: Groundwater

Site Location: Grid F10, in the southern part of the BRAC parcel, in an otherwise undeveloped wooded area south of Wildlife Loop Road.

Site Description: The ODA covers 2.5 acres and is bounded by an outer berm, which is approximately 8 feet high and constructed of rubble and earthen material. The area outside the berm is heavily forested and contains wetlands to the east and south. An inner berm, constructed similarly to the outer berm, bounds the demolition pit. The demolition pit area inside the inner berm is approximately 40 feet by 80 feet and predominantly filled with sand.

Previous Studies: Over the course of previous investigations at this site, soil and groundwater samples were collected for the RI, FFS, and Long-Term Monitoring Plan (LTMP).

Current Use: Inactive

Current Status: The Decision Document of 2005 selected monitored natural attenuation (MNA) as a remedial alternative in conjunction with Institutional Controls that limit the use of groundwater until RAOs have been met. The Army rescinded the 2005 Decision Document and submitted a Final ROD in September 2011 that established MNA as the groundwater remedial alternative. The Army submitted a Final LUCRD in June 2013 to better implement, maintain, and enforce LUCs at the ODA and incorporate them into the CERCLA process. The Army submitted a Final IRACR in July 2014. The 2023 Combined Groundwater OU LTM Report documented that RAOs were obtained and recommended site closure; EPA concurrence was obtained in July 2024.

Cleanup/Exit Strategy: The eleven groundwater monitoring wells are to be abandoned and document the groundwater MNA site closure through a RACR, with anticipated completion in FY26. This site remains a part of the HEI area and the inspection and monitoring of MEC LUCs will continue and be documented in accordance with the LUCRD. The next 5-Year Review will be conducted in 2026.

2.3.4 FGGM-31 (OU-17) – INACTIVE LANDFILLS 2 AND 3

Regulatory Driver: CERCLA

Environmental Investigations:

Enhanced PA	1989
ROD	1998
RI	1998, 2023
ROD	1999
LTMP	2001, 2012
5-Year Reviews	2005, 2011, 2017
LTGM	2004–2055
Maintenance and Repairs	2014, 2019
LUCRD	2015
5-Year Review	2021

Contaminants of Potential Concern: Benzene, 1,1,2,2-Tetrachloroethane, CCl_4, cis-1,2-dichloroethene, vinyl chloride, arsenic, iron, manganese, perfluorooctanesulfonic acid (PFOS)/perfluorooctanoic acid (PFOA), and MEC.

Media of Concern: Groundwater

Site Location: Grids E5 and F5, in the TAP, in the eastern portion of the runway area.

Site Description: FGGM-31 includes IAL2 and IAL3. Information about IAL2 can be found under the MMRP section (Section 1.1.7) of the SMP.

IAL3 is 78 acres and originally used as a sand borrow area. During the late 1940s and 1950s, the area was used as a sanitary and "leaf-dump" landfill. TAP was constructed over the fill area in 1963. Landfill materials were removed from beneath all runway construction areas for structural reasons, but landfill materials are still present in areas adjacent to the runways.

Previous Studies: The Decision Document (U.S. Army 1998) stated that surface sweeps will be performed at the landfill at years 3 and 7, and every 5 years thereafter, to remove any potential MEC that might migrate to the surface. Ordnance sweeps were conducted in 2001, 2006, 2011, 2016, and 2020 at IAL3.

Current Use: Airport runway and grassy areas

Current Status: The ROD requires 5-Year Reviews and LTGM. The Final TAP ESD was submitted in May 2014. The ESD modifies the December 1998 and June 1999 RODs for IAL3 to address 1) the needs for sweeps of ordnance; 2) appropriate disposal of ordnance if discovered; and

3) LUC requirements. The Army regraded the surface settling in the vegetated sections of the landfill and Final Report was accepted December 2014. The Army submitted a TAP LUCRD in June 2015 to implement, maintain, and enforce the LUCs at IAL3 and incorporate them into the CERCLA process. Visual instrument assisted MEC sweeps at IAL3 are discontinued per the 2020 TAP MEC LUCs LTM Final Report. PFOS/PFOA was discovered in groundwater at the former FTA. Additional PFAS sampling was initiated in May 2023 during an RI. The second phase of the RI is underway through 2025

Cleanup/Exit Strategy: Future work includes continuation of the Corrective Measure O&M, which includes LTGM, 5-Year Reviews, and annual maintenance inspections in accordance with the June 1999 ROD. Inspection and monitoring of the LUCs will be implemented and documented in accordance with the LUCRD. PFAS remediation requirements pending RI/FS results.

2.3.5 FGGM-81 (OU-33) – CLEAN FILL DUMP

Regulatory Driver: CERCLA

Environmental Investigations:

PA	1989
SI	1992
RI	1992, 1998
Action Memorandum	2000–2001
PP	2000
ROD	2000
LTMP	2002, 2012
5-Year Review	2009, 2011, 2017, 2021
LTGM	2004–2055

Contaminants of Potential Concern:

Chlorinated VOCs, metals, and MEC

Media of Concern: Groundwater and surface water

Site Location: Grids G7 and H7, in the southeastern portion of the BRAC parcel along Boundary Road. The CFD covers approximately 13 acres and is partially within the boundaries of the Firing Range 9 downrange fan.

Site Description: The CFD was used from approximately 1972 until approximately 1985 for the disposal of miscellaneous debris.

Previous Studies: Previous studies have resulted in an ROD that recommended annual LTGM and 5-Year Reviews.

Current Use: Inactive

Current Status: The ROD (U.S. Army 2000a) identified the selected remedial alternative for the CFD OU (U.S. Army 2000b) as "NFA with monitoring." The LPA is monitored on an annual basis. In 2018 regulators approved reducing groundwater LTM frequency to every 5 years to coincide with the 5-Year Review. The ROD incorporates the 2000 *Action Memorandum: Safety Precautions to Be Taken at Clean Fill Dump*, which includes provisions for residential use restrictions, groundwater use limitations, and UXO issues (U.S. Army 2000a). MEC LUCs for the MMRP portion (FGGM-001-R-01) of the CFD are addressed under the HEI LUCRD (January 2017) for the HEI Area (FGGM-002-R-01).

Cleanup/Exit Strategy: Continue the corrective measures O&M (groundwater LUCs with LTGM every 5 years basis) and continue 5-Year Reviews. The next 5-Year Review is due September 2026.

2.3.6 FGGM-85 (OU-35) – MUNITIONS AND EXPLOSIVES OF CONCERN TIPTON ARMY AIRFIELD

Regulatory Driver: CERCLA

Environmental Investigations:

ROD	1999
Historical Records Review	2006
ESD	2014
LUCRD	October 2015
MEC LTM	2001–2055
5-Year Review	2011, 2017, 2021

Contaminants of Potential Concern: MEC

Media of Concern: Soil, groundwater, and surface water

Site Location: Grid E5, east of State Route 198 and south of State Route 32.

Site Description: This AOI is composed of sites HHA, FTA, IAL1, IAL2, and IAL3. It is also bisected by the Little Patuxent River.

Previous Studies: Over the course of previous investigations at this site, an earthen MEC safety cap was installed over IAL 1 & 3. A fence is installed and maintained around IAL2, and surface sweeps for MEC have been conducted at IAL3.

Current Use: IAL1 & 2 are inactive landfills. IAL3 is an airfield.

Current Status: The soil safety cover at IAL1 and IAL3 is inspected and sweeps of a portion of the Little Patuxent River are conducted yearly. MEC LUCs at IAL 2 are conducted by the Fort Meade IRP. The TAP Final ESD was submitted in May 2014 and 5-Year Reviews are conducted. The ESD modifies the December 1998 and June 1999 RODs for IAL3 to address 1) the needs for sweeps of ordnance; 2) appropriate disposal of ordnance if discovered; and 3) LUC requirements. The Army re-graded the surface settling in the vegetated (grass) sections of the landfill and Final Report was accepted in December 2014.

The Army submitted a TAP LUCRD in June 2015 to implement, maintain, and enforce the MEC LUCs and incorporate them into the CERCLA process. The Army submitted a TAP LUCRD in June 2015 to better implement, maintain, and enforce the MEC LUCs.

Cleanup/Exit Strategy: MEC sweeps and inspections will continue for the foreseeable future. No munitions were found during the 2020 LPR MEC sweep. LPR MEC sweeps were adjusted to every five years per the 2018 MEC Sweep Report. Continue visual soil cap inspections at IAL3. Continue maintenance and repairs as needed. Visual instrument assisted MEC sweeps at IAL3 are discontinued per the 2020 TAP MEC LUCs LTM Final Report (February 2021). Continue 5-Year Reviews. The next 5-Year Review is due September 2026.

2.3.7 FGGM-001-R-01 (OU-38) – CLEAN FILL DUMP MILITARY MUNITIONS RESPONSE PROGRAM

Regulatory Driver: CERCLA

Environmental Investigations:

PA	1989
SI	1992
RI	1992, 1998
Action Memorandum	2000–2001
PP	2000
ROD	2000
LTMP	2002, 2012
MEC LUCs LTM	2004–2055
5-Year Review	2021

Contaminants of Potential Concern: MEC

Media of Concern: Groundwater

Site Location: Grids G7 and H7, in the southeastern portion of the BRAC parcel along Boundary Road. The CFD covers approximately 13 acres and is partially within the boundaries of the Firing Range 9 downrange fan.

Site Description: The CFD was used from approximately 1972 until 1985 for the disposal of miscellaneous debris.

Previous Studies: Previous studies have resulted in an ROD and LTGM with 5-Year Reviews.

Current Use: Inactive

Current Status: The ROD (U.S. Army 2000a) incorporates the Action Memorandum (July 2000), which addresses the risks related to MEC at the CFD and the protection of human health and the environment. The Action Memo establishes MEC land use restrictions and their enforcement. MEC LUCs for the CFD MMRP are included in the December 2018 HEI Area ROD.

Cleanup/Exit Strategy: Future MEC LUCs-related work at the CFD will be associated with FGGM-002-R-01 – HEI Area. The HEI Area MEC LUCRD will better enforce and maintain the existing MEC LUCs at the PRR-NT parcel, which includes the CFD MMRP OU. The next 5-Year Review is due September 2026.

2.3.8 FGGM-002-R-01 (OU-39) – High Explosive Impact and Disposal Area

Regulatory Driver: CERCLA

Environmental Investigations:

Ordnance Survey	1992–1993
Engineering Evaluation	2001
MEC Survey	2001
MEC LUC Action Memorandum	2001
PP	May 2018
ROD	December 2018
Final LUCRD	September 2019
Final RACR	September 2020
MEC LUCs LTM	2019–2055
5-Year Reviews	2024

Contaminants of Potential Concern: MEC

Media of Concern: Soil

Site Location: Grids B5-H5, A6-I6, A7-H7, C8-G8, C9-G9, D10-G10; FGGM-002-R-01 consists of the approximately 8,100-acre PRR-NT, south of FGGM and the TAP.

Site Description: This AOI consists of the PRR-NT, which is composed of two areas, one totaling 7,600 acres and the other about 500 acres. Both areas were transferred to the USDOI in the early 1990s. Numerous ordnance and explosive (OE) training and MEC items were found in this tract during site investigations. The potential munitions suspected on the PRR-NT are representative of troop training and fighting using live and practice items designed to simulate a service item in weight and ballistic properties.

These items may be inert or have a small quantity of explosive filler.

Previous Studies: Over the course of previous investigations at this site, surveys were conducted to locate, identify, and remove MEC located on the surface and within a depth of 6 inches below ground surface. An NTCRA of MEC to a depth of 6 inches was completed for 24 areas in the PRR-NT identified by the U.S. Fish and Wildlife Service as high traffic areas.

Current Use: Wildlife refuge

Current Status: A 2001 Action Memo selected LUCs with surface and subsurface clearance to depth in selected areas. The December 2018 Final ROD incorporated these MEC LUCs into a formal remedy for the HEI Area.

Cleanup/Exit Strategy: A LUCRD was submitted in September 2019 that documents inspection and monitoring procedures for the MEC LUCs for the HEI Area. The Five-Year Review was Final approved in April 2024. To comply with the EPA's policy to manage one FYR report with all eligible Operable Units included in the document, the next Five-Year Review will be due in 2026.

2.3.9 FGGM-32 (OU-18) – FIRE TRAINING AREA (PART OF TIPTON army AIRFIELD)

Regulatory Driver: CERCLA

Environmental Investigations:

Enhanced PA	1989
SI	1992
OE Removal Action	1997
RI	1998, 2023
Removal Action Report	1998
LTMP	2001, 2012
LTM	2004–2014
5-Year Reviews	2005, 2011
ESD	2014
LUCRD	October 2015
5-Year Review	2021

Contaminants of Potential Concern: PFAS

Media of Concern: Groundwater

Site Location: Grid E5, in the northern portion of TAP, off Airfield Road, north of the airfield and east of the HHA.

Site Description: The FTA was constructed around 1979 by the FGGM Fire Department for training purposes. The northern half of the FTA is fenced off and previously enclosed the fire training pit and adjacent training areas. Fires were typically set inside the pit or in portable burn pans using gasoline or aviation fuel. The fires were then extinguished with water or aqueous foam, a synthetic extinguishing agent. Other emergency response training, such as self-contained breathing apparatus training and emergency rescues, were performed at this location. An OWS located on the south side of the fire training pit was used when draining the pit. Water from the separator was transported from the site via an underground pipeline to a sanitary sewer. Both the fire training pit and OWS were removed in 1998.

Previous Studies: The TAP OU ROD presents the final remedy for soils as NFA. The TAP Final ESD was submitted in May 2014. In 2016 and 2018, the Army sampled groundwater at the FTA and determined impact to localized shallow groundwater from PFOS, PFOA; commonly found in aqueous film forming foam. The TAP OU groundwater was sampled in 2020 for PFOS/PFOA. Results from each sampling event determined that PFOS/PFOA was present in shallow groundwater at levels

greater than the Army screening level of 40 microgram per liter.

Current Use: Inactive

Current Status: Army is conducting an RI to determine nature, extent and risk associated with PFOS/PFOA in groundwater. Sampling for PFAS was initiated in May 2023 during an RI. The second phase of the RI quarterly sampling is underway through 2025. Any risk associated with munitions will continue to be addressed under the MMRP and the TAP LUCRD (FGGM-85) that was submitted in June 2015 to better implement, maintain, and enforce the MEC LUCs.

Cleanup/Exit Strategy: FGGM-32 has been administratively opened to appropriately fund a remediation investigation for PFAS only. The TAP OU groundwater will continue to be monitored for historical CERCLA identified COCs under FGGMs 10 and 31. MEC LUCs for all the TAP is addressed under FGGM-85. PFAS remediation requirements pending RI/FS results.

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2.4 UNASSIGNED OPEN AREAS OF INTEREST

2.4.1 OFF-POST GROUNDWATER INVESTIGATION – NEVADA AVENUE AREA

Regulatory Driver: CERCLA

Environmental Investigations:

Interim Measures 2009–2011

Groundwater Investigation 2011–2016

Contaminants of Potential Concern: VOCs

Media of Concern: Groundwater

Site Location: The area surrounding Nevada Avenue, Odenton, MD.

Site Description: The Nevada Avenue Area consists of the area surrounding the one private drinking water well on Nevada Avenue, in Odenton, with a PCE concentration recorded above the MCL in 2009. This area contains existing monitoring wells both on- and off-post. The area is approximately 0.9 mile in radius.

Previous studies: Interim Measures activities began in June 2009 to investigate groundwater contamination identified in MW-125d/123s and MW-126d/124s, along the southeastern boundary of FGGM, and are ongoing. As required by the EPA, during the Interim Measures activities, 62 private wells were sampled within a 1-mile radius of MW-125d/123s and MW-126d/124s. PCE near or exceeding the EPA MCL, was detected in three private wells on Nevada Avenue. Because the Nevada Avenue Study Area is not projected downgradient of MW-125d/123s and MW-126d/124s and their associated known or suspected sources on FGGM, the PCE detected in the samples collected from this area is concluded to be associated with a separate source area. Other VOCs, such as TCE, cis-1,2-dichloroethene, total xylenes, mp-xylene, and toluene, were also detected, but at levels below the EPA MCL; therefore, PCE was determined to be the primary contaminant of concern for the investigation.

Current Use: Residential, light industrial, and commercial

Current Status: The groundwater investigation field activities were completed in 2013. Five deep and one shallow monitoring wells were installed within the study area (one shallow and two deep on FGGM and three deep off-post within the study area). Groundwater samples collected in July and September 2013 from the newly installed wells were analyzed for VOCs. Water levels were also

measured in 19 existing wells and the 6 newly installed monitoring wells during the two groundwater sampling events. The results of the water level measurements suggest that the groundwater in the study area is flowing in a south-southeasterly direction. PCE was detected in all the off-post wells, with the highest concentration (10.5 ug/L) detected in the off-post well directly upgradient from Nevada Avenue. PCE was not detected in the on-post study area wells. Based on the analytical results and the observed groundwater flow direction, it was concluded that the source of the PCE originates from a location north-northwest of Nevada Avenue, and not from the investigated area on FGGM. The regulatory comments received on the report indicate additional investigative activities are required to determine if FGGM is the PCE source. Quarterly sampling of the three affected private wells and providing bottled water service to those residents (both ongoing since 2009) will continue.

Cleanup/Exit Strategy: Perform groundwater investigation or use existing data to confirm the contamination does not originate from FGGM. Monitoring will continue quarterly, and an exit strategy will be determined based on the outcome of the investigation.

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2.5 INSTALLATION RESTORATION PROGRAM AREAS OF INTEREST DESIGNATED FOR NO FURTHER ACTION

2.5.1 FGGM-03 (OU-6) – WATER TREATMENT PLANT, BUILDING 8688

Regulatory Driver: CERCLA

Environmental Investigations:

PA	1980–1982
IRA	1994
SWMU Study	1996
Sampling Visits	1999
SI	2001
PA/SI	2010–2014

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F4, in the southwestern portion of the installation at the southeast corner of O'Brien and Mapes Roads.

Site Description: Building 8688 – OU-6 (SWMUs 129 and 130) is a water treatment plant constructed in 1941. The facility stores and uses lime and chlorine. An on-site laboratory stores acids and buffers for test purposes.

Building 8688 was identified as an SWMU (BCM 1996) because of routine discharge of waste to the sanitary sewer.

Previous Studies: Over the course of previous investigations at this site, three surface soil samples (plus one duplicate sample) and nine subsurface soil samples were collected and analyzed. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels.

Current Use: Water treatment plant

Current Status: On 16 July 2012, EPA concurred that analytical results indicate that no CERCLA release has occurred at this AOI. This AOI is closed with respect to CERCLA.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.2 FGGM-05 (OU-2) – FORMER TROOP BOILER PLANT, BUILDING 8481

Regulatory Driver: MDE

Environmental Investigations:

Evaluation of Groundwater System	1996
Groundwater Monitoring	2001
Well Removal/Replacement	2002
Groundwater Sampling Event	2008
Site Model and Assessment Report	2008

Contaminants of Potential Concern: Benzene, toluene, ethylbenzene, and xylenes (BTEX); methyl tert-butyl ether (MTBE); naphthalene; caustic soda; sodium sulfite; phosphates; and sodium hydroxide

Media of Concern: Soil and groundwater

Site Location: Grid F5, in the southwestern portion of the installation, south of Simonds Street and east of Grant Road.

Site Description: Former Building 8481 (SWMU 112/113) was constructed in the 1940s as a boiler plant fueled by coal and then converted to fuel oil in the 1960s. This AOI also includes OWS-14 and WR-14 (SWMU 114), a storage shed (no building number) for flammable material, nine USTs, and one 500-gallon diesel fuel tank used for the emergency generator.

In 1991, a 1,500-gallon waste oil UST and a 20,000-gallon No. 2 fuel oil tank failed precision testing. The tanks were excavated, and it was determined that they had been leaking for several years.

Previous Studies: Over the course of previous investigations at this site, 29 monitoring wells were installed, a recovery system to remove floating and dissolved product was installed and operated from 1993 to 1997, and a solar-powered oil removal skimmer system was operated from 2001 to 2003. Groundwater was sampled from eight wells in March, April, August, and October 2008, and oil absorbent booms were inserted into four of the MWs.

Current Use: Vacant land / parking lot

Current Status: On 9 December 2009, MDE OCP, having determined that site conditions met site remedial objectives and seven MDE Maryland Environmental Assessment Technology risk factors, issued a Notice of Compliance for FGGM-05.

Cleanup/Exit Strategy: This AOI has been closed, the wells have been abandoned, and the system components have been removed. NFA is recommended for this AOI.

2.5.3 FGGM-11 (OU-9) – GAS TRAINING BUILDING, BUILDING 73

Regulatory Driver: CERCLA

Environmental Investigations:

CSA	1997
PA	1997
SI	1997–2011
PA/SI	2010–2015

Contaminants of Potential Concern: Cyanide and ortho-chlorobenzylidene malononitrile tear gas (CS)

Media of Concern: Soil and groundwater

Site Location: Grid H6, in the southeastern portion of the installation, in the southwestern portion of the CSL.

Site Description: Building 73 was formerly a Gas Training Building and is identified as a gas chamber on maps from 1976 (Defense Mapping Agency 1976) and 1980 (USACE 1980).

Building 73 has concrete floors and walls. Building 73 was used for tear gas training during WWI and respiratory protection training for RCAs from 1965 to 1979. Building 73 was later converted by the Defense Information School for urban facility inspection training.

Previous Studies: Seven wipe samples were collected from interior building material surfaces on 14 March 1997 and submitted for laboratory analysis. No tear gas components were reported in the analytical results.

Building 73 has concrete floors and walls, and the tear gas agent was only released inside the building. There is very low potential for the tear gas agent or its decomposition products to have entered the soil or groundwater surrounding Building 73.

Site investigation activities under the PA/SI occurred. Surface soil and groundwater samples were collected and analyzed for CS and cyanide.

Current Use: Storage

Current Status: Although no tear gas components were detected on interior building material surfaces, the soil and groundwater surrounding the building have not been tested. Building 73 has been properly decontaminated in a manner appropriate for CS, which is a strong irritant that is incompatible with strong oxidizers.

The Final PA/SI Report recommends NFA for soils and groundwater for this AOI. An NFA Consensus Letter was received from the EPA on 11 January 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.4 FGGM-14 (OU-11) – CONTROL HAZARDOUS SUBSTANCE STORAGE FACILITY, BUILDING 6527

Regulatory Driver: CERCLA

Environmental Investigations:

PA	1980–1982
SI	1980–2011
SWMU Study	1996
Hazardous Waste Closure Report	1999
Sampling Visit	2000
Data Gap Investigation	2002
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F4, in the southern portion of the installation on Taylor Avenue between Simonds and MacKall Streets.

Site Description: Former Building 6527 (SWMU 104/OU-11) was used as a short-term (90-day) storage facility for hazardous and non-regulated chemicals before handling and shipping for off-site disposal. The facility handled waste from the PCB removal program as well as accepted paints, oils, oil filters, antifreeze, and fluorescent lights and ballast. The building was demolished in the late 1990s.

Previous Studies: Over the course of previous investigations at this AOI, 20 surface soil samples and 4 subsurface soil samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels. Building 6527 obtained clean closure in 1999.

Current Use: Parking lot

Current Status: On 5 October 2011, EPA concurred that analytical results indicate that no CERCLA release has occurred at this AOI. This AOI is closed with respect to CERCLA.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.5 FGGM-18 (OU-13) – AMMUNITION SUPPLY POINT NO. 2

Regulatory Driver: CERCLA

Environmental Investigations:

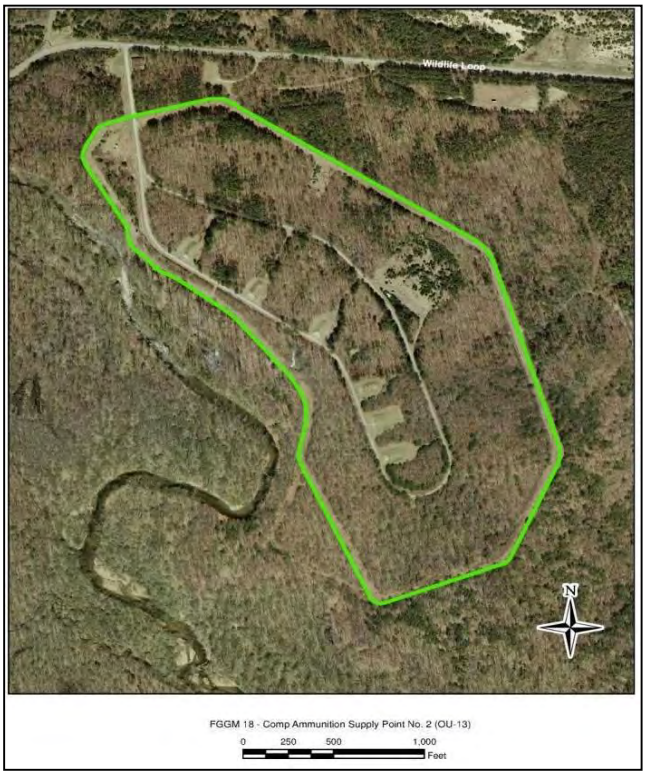
PA	1996
SI	2009–2011
PA/SI	2010–2015
SSI	2016–2018

Contaminants of Potential Concern: metals and explosives

Media of Concern: Soil

Site Location: Grid F6, in the north-central portion of the PRR-NT, south of the TAP.

Site Description: The 1989 Enhanced PA Report (Argonne 1989) states: "the chemical munitions used at Fort Meade included smoke grenades and RCAs for training purposes. These items were stored at ASP No. 1. RCAs were stored in bulk (50 lb. drums), canister, and capsule form. The smoke grenade includes a mixture of grained aluminum, zinc oxide, and hexachloroethane as well as substances for colored smoke. In the 1950s, an unknown number of CAIS were stored in ASP No. 1 and transferred to ASP No. 2. The final disposition of these sets is unknown." The site is currently vacant and unused.



Previous Studies: According to the IAP (FGGM 2008), a PA was completed for this AOI in 1996. According to the analytical results provided in the Environmental Restoration Information System database, one surface water sample, one sediment sample, and two soil samples were analyzed for VOCs, SVOCs, metals, pesticides, herbicides, and PCBs. Based on a risk analysis of the analytical results, the concentrations were below site-specific action levels. However, the AOI was in use after this sampling, so additional sampling to characterize current conditions was conducted.

PA/SI activities were conducted. Surface soil samples were collected and analyzed for metals and explosives, and an SSI for soils for CAIS, chemicals, cyanide, and chromium.

Current Use: Grass, trees, roadways, and igloos

Current Status: An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.6 FGGM-19 (OU-14) – ADVANCED WASTEWATER TREATMENT FACILITY

Regulatory Driver: CERCLA

Environmental Investigations:

PA	1980–1982
SI	1980–2012
SWMU Study	1996
RFA 3rd Phase	1999
Geophysical Survey	2004
PA/SI	2010–2014

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid E4, in the southwestern portion of the installation, approximately 600 feet southwest of State Routes 32 and 198.

Site Description: FGGM-19 is identified as the Advanced Wastewater Treatment Facility. FGGM-19 includes Building 9581 – Wastewater Treatment Plant (also identified as SWMU 138). All future environmental investigations and remediation activities for FGGM-19 are covered under SWMU 138.

Previous Studies: Over the course of previous investigations at this site, 1 surface soil sample, 18 subsurface soil samples, and 9 groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic and chromium elevate the risk numbers above the site-specific action levels.

Current Use: Wastewater treatment facility

Current Status: The AEDB-R number FGGM-19 has been administratively closed. All further action at this AOI is covered under SWMU 138.

Cleanup/Exit Strategy: Not applicable; and NFA is required for FGGM-19.

2.5.7 FGGM-36 (OU-20) – PHOTOGRAPHIC LABORATORY, BUILDING 6530

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU	1996
Historical Aerial Photograph Study	1996
RFA 3rd Phase	1999
Data Gap Investigation	2002
PA/SI	2010–2015

Contaminants of Potential Concern: Metals

Media of Concern: Soil and groundwater

Site Location: Grid F4, in the southwestern portion of the installation, at the intersection of Taylor Avenue and Gordon Street.

Building 6530 is part of FGGM-36, an Auto Repair and Craft Center, which also includes Building 4553, which is discussed separately (Section 1.1.7).

Site Description: Building 6530 is a vehicle maintenance facility (SWMU 105) with nearby OWS (SWMU 106) and WRs (SWMUs 107 and 108). Approximately one-third of the building is used as a craft center for installation residents involved in woodworking, ceramics, framing, and similar recreational activities. No chemicals except typical cleaners are kept in the crafts portion of the building. The auto repair facility stores oil, antifreeze, and Freon. Used oil cans, oil filters, and rags are stored in 55-gallon drums for eventual removal. All floor drains in the auto repair area flow to an OWS (SWMU 106), which also receives wastewater from two WRs (SWMUs 107 and 108) at the site. An 800-gallon waste oil AST is located at the northern exterior wall of the building.

Previous Studies: As part of the RFA 3rd Phase, 16 direct-push borings were advanced around the building.

Three surface soil samples, 12 subsurface soil samples, and 1 groundwater sample were collected using a direct-push sampling rig. Based on a risk analysis of the analytical results, mercury, arsenic, and chromium concentrations exceed the site-specific action levels.

As part of the PA/SI, one groundwater monitoring well was installed, and groundwater samples were collected and analyzed for metals.

Current Use: Auto Repair and Craft Center

Current Status: The Final PA/SI Report has been approved. The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.8 BUILDINGS 4552 AND 4553 PHOTOGRAPHIC LABORATORY, PART OF FGGM-36 (OU-20)

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
RFA 3rd Phase	1999
Data Gap Investigation	2002
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid G4, in the southeastern portion of the installation, northwest of the intersection of Llewellyn and Cooper Avenues.

Building 4553 (Non-SWMUs 10 and 11) is part of FGGM-36, which also includes Building 6530 (SWMUs 105–108). Building 6530 (SWMUs 105–108) is discussed separately (Section 1.1.7).

Site Description: Building 4553 was not identified as an SWMU in the 1996 SWMU study (BCM 1996) because no routine waste is stored or produced at this AOI. However, it was investigated as part of the SWMU study and included in the SWMU report (BCM 1996). BCM indicated there were no spills or reported releases in the area surrounding this building.

Current and past use of Building 4553 consisted of support facilities, primarily administrative, for intelligence agencies. It typically stored cleaners and office supplies. There are no reports of pesticides being stored at this building.

Previous Studies: There had never been a release of hazardous substances resulting in contamination to soil, groundwater, or surface water at this AOI (BCM 1996). The EPA reviewed historical aerial photographs (from 1938 to 1995) of FGGM and found no stains, stressed vegetation, debris, solid waste, or other areas of environmental concern at this AOI (EPA 1996).

Current Use: Administrative

Current Status: EPA approved NFA for this AOI on 20 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.9 FGGM-37 (OU-21) – KIMBROUGH AMBULATORY CARE CENTER, BUILDING 2480

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visit	2000
PA/SI	2010–2015
SSI	2016–2020

Contaminants of Potential Concern: Metals

Media of Concern: Soil and groundwater

Site Location: Grid H4, in the southeastern portion of the installation, approximately 100 feet southeast of the intersection of Llewellyn and Wilson Avenues.

Site Description: KACC (previously referred to as Kimbrough Army Hospital), Building 2480 (SWMU 71) has been used as a hospital since its construction in 1968. Hospital operations were downsized to those of a clinic in the early 1990s. Chemicals stored in flammable storage cabinets and on shelves during the SWMU study included acetic acid, acetone, alcohol, phenol, trichloric acid, silver nitrate, hydrochloric acid, fixer and developer, iodine, peroxides, and sodium chloride. Areas of the hospital that use chemicals include the pharmacy, laboratories, x-ray rooms, emergency rooms, operating rooms, dental labs, podiatry rooms, and orthopedic rooms.

Building 2480 routinely discharges waste from silver recovery units from photographic processing. Medical Maintenance properly disposes of the chemicals from the silver recovery (BCM Engineers, Inc. [BCM] 1996). Any other discharge would go to the sanitary sewer. The SSI report combined this AOI with Building 2482 and MP 10 due to the proximity of the two AOIs.

Previous Studies: Over the course of previous investigations at this AOI, eight subsurface soil samples, and one groundwater sample were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic and chromium elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, one groundwater monitoring well was installed, and groundwater samples were collected and analyzed for metals.

Current Use: Medical clinic

Current Status: The Final PA/SI Report has been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.10 FGGM-70 (OU-25) - INDOOR RANGE, FORMER BUILDING 6513

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
Sampling Visit	2000
SI	2001
PA/SI	2010–2015
SSI	2016–2018

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil and groundwater

Site Location: Grid F4, in the southern portion of the installation, west of the intersection of York Avenue and Simonds Street.

Site Description: Building 6513 (SWMU 150) was identified as a past SWMU in the 1996 SWMU study (BCM 1996) because it was formerly used as an indoor shooting range, and disposal practices for the impact range were unknown. There were no spills or reported releases identified during the SWMU study (BCM 1996). Building 6513 was demolished in 2001 after standing vacant (but locked) for several years. A 550-gallon heating oil UST was located outside the southeast corner of Building 6513. The UST was removed in January of 1997 (Versar 2003).

Previous Studies: This AOI was not identified in the EPA (1996) review of historical aerial photographs; no stains, stressed vegetation, standing liquid, or other environmental concerns were identified at this location.

Over the course of previous investigations at this AOI, four surface soil samples (plus one duplicate sample), five subsurface soil samples, and five groundwater samples (plus one duplicate sample) were collected and analyzed. Based on a risk analysis of the analytical results, 1,2,4-trimethylbenzene and naphthalene elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, one groundwater monitoring well was installed, and groundwater samples were collected and analyzed for VOCs and SVOCs. An SSI was conducted for groundwater for TPH-DRO and total dissolved metals, including chromium speciation.

Current Use: Parking lot

Current Status: The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.11 FGGM-71 (OU-26) – EX INDOOR RANGE, FORMER BUILDING 6522 (SWMUS 151 AND 152)

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
Sampling Visits	2000
PA/SI	2010–2015

Contaminants of Potential Concern: Metals

Media of Concern: Soil and groundwater

Site Location: Grid F4, in the southern portion of the installation, 100 feet northwest of the intersection of York Avenue and Simonds Street.

Site Description: Building 6522 (SWMUs 151 and 152) was identified as a past SWMU in the 1996 SWMU study (BCM 1996) because it was formerly used as an indoor small arms target range, and disposal practices for the impact range were unknown. There were no spills or reported releases identified by BCM during the SWMU study (BCM 1996). Building 6522 was demolished in the late 1990s. A 550-gallon heating oil UST was located outside the eastern wall of Building 6522. The UST was removed in August of 1995 (Versar 2003).

Previous Studies: This AOI was not identified in the EPA (1996) review of historical aerial photographs; no stains, stressed vegetation, standing liquid, or other environmental concerns were identified at this location.

Over the course of previous investigations at this site, four subsurface soil samples and three groundwater samples were collected and analyzed. Based on a risk analysis of the analytical results, mercury, arsenic, and chromium elevate the risk numbers above the site-specific action levels.

In 2013, as part of the PA/SI, one groundwater monitoring well was installed, and groundwater samples and surface soil samples were collected and analyzed for metals.

Current Use: Parking lot

Current Status: The Final PA/SI Report has been approved. The EPA approved NFA for this AOI on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.12 FGGM-74 (OU-29) – UNITED STATES ARCHITECT OF THE CAPITAL, BUILDINGS 71, 72, AND 72A

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Phase I Site Assessment	1994
RI	2013
FS	June 2014
PP	July 2014
ROD	September 2014
RD/WP	2016
RACR	2017

Contaminants of Potential Concern: Lead in soil; inorganics in shallow groundwater; and VOCs in shallow groundwater associated with OU-4 and OU-5

Media of Concern: Groundwater and soil

Site Location: Grid G5/H5. FGGM-74 is the USAOC parcel along the southern border of FGGM. It is situated between State Route 32 and Rock Avenue and between Remount and Pepper Roads.

Site Description: This area (SWMUs 1 through 9) was authorized by Congressional action in 1993 for transfer from the Department of the Army to the USAOC to accommodate long-term storage and service needs of the Library of Congress and other Legislative Branch agencies.

The USAOC parcel was contaminated by past Army activities. This area was evaluated in 1994 for the feasibility of developing it to support Legislative Branch agencies. At the time of the study, the area contained temporary warehouses with several USTs nearby, buildings formerly used as the Fort commissary, and buildings associated with the Transportation Motor Pool (TMP). A stream (Rogue Harbor Branch) flows south through the site, and wetlands are present in the vicinity of the stream.

Previous Studies: A Phase I site assessment was performed as part of the 1994 development study (RK&K 1994). The assessment identified VOCs, pesticides, PCBs, and metals detections in the OU-5 area.

Current Status: The USAOC RI Package was finalized in April 2013. The Final RI included an updated HHRA and an evaluation of background concentrations of inorganics in groundwater. The

2014 Final FFS evaluated alternatives to address inorganics in groundwater and lead in soil.

The PP and ROD were finalized in July and September 2014, respectively. The selected remedy is hot spot soil excavation with off-site disposal. Groundwater is addressed under OU-4 since there are no specific identifiable sources on the USAOC parcel (refer to Section 2.1.5).

The assessment also identified petroleum hydrocarbon detections at the TMP and in the vicinity of several USTs in the warehouse area. Based on the results of the 1994 assessment, a Phase II investigation was recommended. Subsequent RI sampling and HHRA identified potential risks limited to 1) hypothetical use of shallow groundwater for potable purposes related to inorganics detections, and 2) potential exposure to lead in subsurface soil in two small, approximately 10-foot by 20-foot areas under a hypothetical regrading scenario.

Current Use: Currently, many of the improved areas of the USAOC parcel are used for storing documents. Approximately 10 acres of the extreme western part of the USAOC property are operated by the Army as a TMP.

2.5.13 FGGM-75 (OU-30) – UNDERGROUND STORAGE TANKS PRIOR TO 1984

Regulatory Driver: CERCLA

Environmental Investigations:

Environmental Restoration, Army 2008
UST Facility Summary 2010
PA 2012

Contaminants of Potential Concern: Gasoline, diesel fuel, and oil

Media of Concern: Soil

Site Location: USTs prior to 1984 were located throughout the installation.

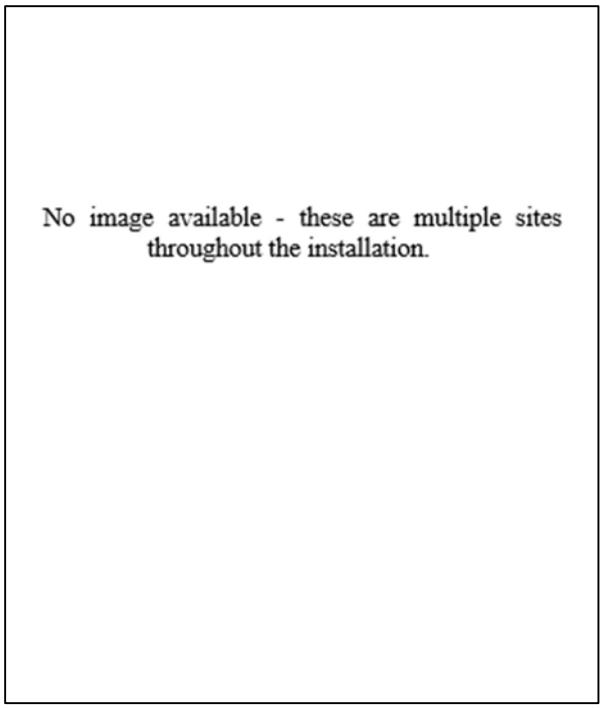
Site Description: In July 1985, the EPA promulgated 40 Code of Federal Regulations 280, which required the registration of all USTs used for dispensing regulated substances. The State of Maryland published UST regulations in 1984. USTs had to be registered, and among the requirements for UST registration are tank and line leak detection requirements, spill and overfill protection equipment, and maintaining tank release detection records. FGGM-75 consists of USTs prior to 1984 that had leaked or potentially leaked product to the environment. Since 1984, all USTs under the control of FGGM DPW have been closed, and leaking USTs have been remediated. The installation-wide conversion from heating oil to natural gas resulted in most of these UST closures. Only seven active USTs are currently on installation under the jurisdiction of FGGM DPW. All seven USTs were installed after 1984.

Previous Studies: Numerous samples were collected during the time the USTs were closed out. The results were presented to MDE with closeout documents.

Current Use: The sites of the former USTs are used for installation support functions.

Current Status: The MDE has no open UST cases with FGGM DPW. EPA approved NFA for this AOI on 23 February 2012.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.



2.5.14 FGGM-95 (OU-45) – FORMER LANDFILL SITES

2.5.14.1 FGGM-95 (OU-45) – FILL – 1988

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil

Site Location: Grid E4, near the southwestern perimeter of the installation, north of Perimeter Road and west of O'Brien Road.

Site Description: Fill – 1988 is an AOI because the EPA (1996) aerial photographic investigation of FGGM labeled potential fill in this area in a 1988 historical aerial photograph; however, the potential fill was not discussed in the text of the EPA report. Fill was also labeled in this area on the 1995 aerial photograph, but it also was not discussed in the text of the report (EPA 1996).

No stained soil or stressed vegetation were identified at this location or its surroundings on any of the historical aerial photographs. In the 1984 aerial photograph, this AOI and the adjacent square lot to the northwest are graded, possibly as part of site preparation for construction. By 1988, a building was constructed on the adjacent lot to the west, and the "Fill – 1988" lot is covered with piles of dirt. By 1993, the AOI was graded, but by 1996, additional fill was brought in, most likely to complete leveling of the site. By 1999, the AOI is again leveled, and by 2002 a building and parking lot are constructed on this AOI.

Previous Studies: A historical aerial photograph study was completed in 1996. No previous sampling was undertaken. As part of the PA/SI, subsurface soil samples were collected and analyzed for VOCs, SVOCs, and metals.

Current Use: Administrative, parking lot, and grass areas.

Current Status: The Final PA/SI Report has been approved. The EPA approved NFA for this AOI on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.2 FGGM-95 (OU-45) – PERSHING HILL ELEMENTARY SCHOOL BURN PIT STOCKPILE

Regulatory Driver: CERCLA/MDE Solid Waste Program

Environmental Investigations:

Burn Pit 2009

Contaminants of Potential Concern: Metals and DRO. Possibly dioxin and furan.

Media of Concern: Soil stockpile.

Site Location: Grid I5, north of Lokus Road in the northern portion of the CSL.

Site Description: A burn pit was discovered during the reconstruction of Pershing Hill Elementary School. The pit was likely dug in the late 1950s or early 1960s during the construction of the original school to place and burn the trees that were cut down for the school construction.

Previous Studies: The pit was sampled for a variety of parameters, including petroleum hydrocarbons, dioxins, and furans, with trace levels of dioxins and furans detected along with low levels of petroleum hydrocarbons.

The contents of the burn pit were removed and stockpiled on-site (approximately 25,000 cubic yards). The stockpile exceeded site capacity and was transported to a permitted and controlled location at the CSL. The soil stockpile was re-sampled and disposed of at an approved off-post facility.

Current Use: Soil stockpile

Current Status: The stockpiled soil from the Pershing Hill Elementary School Burn Pit was disposed of off post.

Cleanup/Exit Strategy: This site is within the Cell 3 (CCFGGM-97) footprint, and an RI/FS is currently underway (Refer to Section 2.1.12). NFA is recommended for the stockpiled soil from the Pershing Hill Elementary School Burn Pit because it was disposed of off post.

2.5.14.3 FGGM-95 (OU-45) – POSSIBLE DUMP SITE A – 1957, FORMER COMPLIANCE CLEANUP SITE

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
Geophysical Investigation 2004
PA/SI 2010–2015
SSI 2016–2018

Contaminants of Potential Concern: None identified

Media of Concern: Soils and groundwater

Site Location: Grid G1, near the northern border of the installation, 1,000 feet west of the Fort Meade Middle School.

Site Description: Possible Dump Site A – 1957 was identified as an AOI because the EPA (1996) photographic study of the installation listed "possible solid waste" at this location during an analysis of a 1957 aerial photograph. No activity was visible at this AOI in subsequent aerial photographs. The EPA study (1996) did not identify stained soils or stressed vegetation in this area in any of the historical aerial photographs.

Previous Studies: A geophysical investigation of Possible Dump Site A – 1957 provided little evidence that the AOI contains metallic or conductive buried waste or disturbed soil. A magnetic anomaly on the eastern perimeter of the geophysical survey was further investigated with ground penetrating radar, which "showed a well-developed soil column with no anomalies, indicating that soil at this site is undisturbed." No buried drums were apparent in the soil column, and there does not appear to be much indication that something is buried here (Versar 2004).

As part of the PA/SI, a test pit was excavated to investigate an anomaly. No elevated PID readings were recorded, and no signs of staining were noted during excavation; therefore, no soil samples were collected. An SSI for soils was conducted for VOCs, SVOCs, metals, and chromium speciation.

Current Use: Wooded

Current Status: The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.4 FGGM-95 (OU-45) – POSSIBLE DUMP SITE C – 1957

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
Geophysical Investigation 2004
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F2, in the northern portion of the installation, adjacent to the intersection of Evans Court and Leslie Road.

Site Description: Possible Dump Site C – 1957 was identified as an AOI because the EPA (1996) historical aerial photograph study of the installation listed "possible solid waste" at this location during an analysis of a 1957 aerial photograph. The EPA (1996) study did not identify stained soils or stressed vegetation in this area in any of the historical aerial photographs.

Previous Studies: A geophysical investigation of Possible Dump Site C – 1957 did not identify any geophysical anomalies at the AOI, except for a few features associated with utilities (Versar 2004). There is little geophysical evidence to suggest that this AOI is a former dump or landfill.

Current Use: Grass, trees, portions of Evans Court and Leslie Road, and buildings.

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.5 FGGM-95 (OU-45) – POSSIBLE DUMP SITE D – 1957

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
Geophysical Investigation 2004
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F2, in the northern portion of the installation, on Riordan Court.

Site Description: Possible Dump Site D – 1957 was identified as an AOI because the EPA (1996) historical aerial photograph study of the installation listed "possible solid waste" at this location during an analysis of a 1957 aerial photograph. The EPA (1996) study did not identify stained soils or stressed vegetation in this area in any of the historical aerial photographs.

Previous Studies: A geophysical investigation of Possible Dump Site D – 1957 did not identify any geophysical anomalies at the AOI that were not associated with utilities or buildings (Versar 2004).

Current Use: Site D – 1957 encompasses Riordan Court and the lawns and driveways associated with four small houses.

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.6 FGGM-95 (OU-45) – POSSIBLE DUMP SITE F – 1957

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
Geophysical Investigation 2004
PA/SI 2010–2014

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid E3, in the western portion of the installation, between Eubanks Loop and Christian Loop.

Site Description: Possible Dump Site F – 1957 was identified as an AOI because the EPA (1996) historical aerial photograph study of the installation listed "possible solid waste" at this AOI during an analysis of a 1957 aerial photograph. In the analysis of the 1963 aerial photograph, EPA stated that "the possible accumulation of solid waste observed in 1957 is no longer present due to construction of new housing." The EPA (1996) study did not identify stained soils or stressed vegetation in this area in any of the historical aerial photographs.

Previous Studies: A geophysical investigation of Possible Dump Site F – 1957 provided little evidence that the AOI contains metallic or conductive buried waste. There is little geophysical evidence to suggest that this AOI is a former dump or landfill (Versar 2004).

Current Use: The AOI is currently a grass lawn bordered to the north and south by townhouses.

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.7 FGGM-95 (OU-45) – POSSIBLE DUMP SITE G – 1957

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
Geophysical Survey 2004
PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil

Site Location: Grid E5, in the southwestern portion of the installation, just southwest of the pumping station where the Little Patuxent River crosses Maryland Route 198.

Site Description: Possible Dump Site G – 1957 was identified as an AOI because the EPA (1996) study of the installation listed "possible dump" at this AOI during an analysis of a 1957 aerial photograph. In an analysis of a 1963 aerial photograph, the EPA labeled the AOI as a "re-vegetated dump site."

Previous Studies: A geophysical investigation of Possible Dump Site G – 1957 provided little evidence that the AOI contains metallic or conductive buried waste. There is little geophysical evidence to suggest that this AOI is a former dump or landfill (Versar 2004).

As part of the PA/SI, subsurface soil samples were collected and analyzed for VOCs, SVOCs, and metals.

Current Use: Trees and grass

Current Status: The Final PA/SI Report has been approved. The EPA approved NFA for this AOI on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.8 FGGM-95 (OU-45) – POSSIBLE DUMP SITES – 1970

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA/SI 2010–2015

Contaminants of Potential Concern: None identified

Media of Concern: Soils

Site Location: Grid E2, in the northwestern portion of the installation, east of the Baltimore-Washington Parkway.

Site Description: Possible Dump Sites – 1970 were identified as an AOI because the EPA (1996) historical aerial photograph study of the installation listed "Possible Dump Location" at these locations during an analysis of a 1970 aerial photograph.

The EPA (1996) study did not identify stained soils or stressed vegetation in this area in any of the historical aerial photographs.

Previous Studies: No previous sampling or geophysical investigations have been conducted at this AOI.

Possible Dump Site – 1970 has a long history of probable housing and farming. Agricultural activity may have been mistaken for dumping in the February 1970 aerial.

As part of the PA/SI, test pits were excavated, and subsurface soil samples were collected and analyzed for VOCs, SVOCs, metals, pesticides, herbicides, TPH-GRO, TPH-DRO, and PCBs.

Current Use: Wooded area

Current Status: The Final PA/SI Report has been approved. The EPA approved NFA for this AOI on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.9 FGGM-95 (OU-45) – SITE M - PARCEL 1

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
Geophysical Investigation	2004
EBS	2004
PA/SI	2007
PA/SI	2011

Contaminants of Potential Concern: VOCs, metals, and explosives

Media of Concern: Groundwater

Site Location: Grid F3, in the 9200 Block, east of O'Brien Road.

Site Description: This location was initially identified because a review of a 1938 aerial photograph identified it as a possible dump (EPA 1996).

Previous Studies: A geophysical investigation (Versar 2004) confirmed this AOI as a landfill.

Over the course of previous investigations at this site, 1 surface soil sample, 16 subsurface soil samples and 1 groundwater sample were collected and analyzed. Based on a risk analysis of the analytical results, iron, cobalt, manganese, and arsenic elevate the risk numbers above the site-specific action levels. Methylene chloride was detected above its MCL.

As part of the 2011 SI, three groundwater samples were collected and analyzed for VOCs, metals, and explosives.

Current Use: Building 9250 and future NSA Construction site.

Current Status: Based on the results of the 2011 SI, EPA approved NFA for this AOI on 17 February 2012.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.10 FGGM-95 (OU-45) – SITE M - PARCEL 2

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
EBS	2004
Geophysical Survey	2004
PA/SI	2007
PA/SI	2011

Contaminants of Potential Concern: VOCs, metals, herbicides, pesticides, explosives, PAH, furans, and dioxins

Media of Concern: Soil and groundwater

Site Location: Grid F3, in the 8800 Block, north of the intersection of Zimborski and Taylor Avenues.

Site Description: This location was initially identified because the EPA (1996) historical aerial photograph study suggests there may have been a solid waste landfill at this location in the 1943 aerial photograph.

Previous Studies: Over the course of previous investigations at this site, 13 subsurface soil samples and 3 groundwater samples (2 total and 2 dissolved) were collected and analyzed. Based on a risk analysis of the analytical results, arsenic, vanadium, manganese, cobalt, and iron elevate the risk numbers above the site-specific action levels. Methylene chloride was detected above its MCL.

Fill material containing ash was encountered at 6 of the 10 direct-push locations.

As part of the 2011 SI, four surface soil samples were collected and analyzed for VOCs, metals, herbicides, pesticides, explosives, PAH, furans, and dioxins and four subsurface soil samples were collected and analyzed for metals, PAH, furans, and dioxins.

Current Use: NSA, Building 9225

Current Status: Based on the results of the 2011 SI, EPA approved NFA for this AOI on 17 February 2012.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.11 FGGM-95 (OU-45) – SITE M - PARCEL 3

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
SWMU Study	1996
EBS	2004
Geophysical Survey	2004
PA/SI	2007, 2010–2012
Environmental Site Assessment	2013

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil and groundwater

Site Location: Grid F3, within the golf course complex, west of Zimborski Avenue.

Site Description: Former Building 8880 (SWMU 131/132), constructed in 1949, was a storage area and a pesticide mixing area from 1955 to the late 1970s. It was demolished prior to 2005. Building 8860 (SWMU 133), constructed in 1949, was used for topsoil and chemical storage. The pump house is in the eastern half of the building and contains a well that distributed treated effluent water from the sanitary sewer to the sprinkler system for the former golf course.

Former buildings 8870 (SWMU 134) and 8890A (SWMU 136) were used for storage, Building 8890 (SWMU 135) was a mechanic shop and storage area, Building 8891 (SWMU 137) was a storage building/ maintenance area, Building 8881 was a storage/ maintenance building, Building 21 was a metal storage locker used to store hazardous waste awaiting disposal. There was also a storage shed/rollaway (no building number) north of former Building 8890 that was used to store old tires and a lawnmower. Four ASTs and one UST were associated with the maintenance buildings. All the buildings have been demolished as part of NSA development/construction.

Previous Studies: During previous investigations at this site, 8 surface soil samples, 35 subsurface soil samples, and 10 groundwater samples were collected and analyzed. Based on a risk assessment of the analytical results, arsenic, benzo(a)pyrene, mercury, heptachlor epoxide, and 1,1,2,2-tetrachloroethane elevate the risk numbers above the site-specific action levels.

Current Use: NSA property.

Current Status: This AOI received NFA status on 17 February 2012 based on site conditions at that time. EPA approved NFA for this AOI on 25 June 2015.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.12 FGGM-95 (OU-45) – SITE M - PARCEL 4

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
EBS 2004
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F3, east and west of Taylor Avenue.

Site Description: This location was initially identified because ground scarring was observed at this AOI during a review of a 1943 historical aerial photograph (Berger EA 2004). A "disturbance" was observed in the northeastern part of this AOI in the 1952 through 1995 historical aerial photographs (Berger EA 2004).

Previous Studies: Results: Over the course of previous investigations at this AOI, two subsurface soil samples and one groundwater sample were collected and submitted for laboratory analysis.

Current Use: NSA property and building 9230.

Current Status: EPA approved NFA for this AOI on 7 January 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.13 FGGM-95 (OU-45) – SITE M - PARCEL 5

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
EBS 2004
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F3, east of Taylor Avenue.

Site Description: The EBS identified this location because a concrete foundation for an outbuilding and a telephone pole were observed in a wooded area. The foundation was reportedly adjacent to a former farmhouse and was identified as a "pit" in the EBS. The concrete foundation and telephone pole were observed during the December 2003 Site Investigation that was conducted as part of the EBS. Upon review of the Site Investigation, the concrete foundation is probably from an old outbuilding near a former barn. It was described as "Building 6927 Foundation" in the description of AOI 11. AOI 11 was later renamed Parcel 5.

Previous Studies: Over the course of previous investigations at this site, one subsurface soil sample was collected and analyzed.

Current Use: NSA Construction site

Current Status: EPA approved NFA for this AOI on 7 January 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.14 FGGM-95 (OU-45) – SITE M - PARCEL 6

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
Geophysical Survey	2004
EBS	2004
PA/SI	2007
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F3/F4, northwest of the intersection of Mapes Road and Cooper Avenue.

Site Description: The EBS identified ground disturbance/ground scar at this location in historical aerial photographs (Berger EA 2004). The EPA (1996) historical aerial photograph review of the same location did not identify anything they would classify as a disturbance or scarring, in fact, the EPA (1996) report did not identify any AOI at this location. In the sandy coastal plain sediments typical of this location, ground can be easily disturbed by driving over an area with thin vegetation. The Patapsco sands crop out at this location. The Patapsco sands are a white to buff to vari-colored sand that shows up as light spots when exposed on historical aerial photographs. A thin covering of grass covers this location in most of the historical aerial photographs. The ground disturbance/scarring could be from repeated vehicle or foot traffic. Digging, trenching, filling, or any other activity that would suggest landfilling or dumping was not identified for this location.

Previous Studies: Over the course of previous investigations at this site, two subsurface soil samples and one groundwater sample were collected and analyzed.

Current Use: Parking lot.

Current Status: EPA approved NFA for this AOI on 7 January 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.15 FGGM-95 (OU-45) – SITE M - PARCEL 7

Regulatory Driver: CERCLA

Environmental Investigations:

EBS 2004

PA/SI 2007, 2011

Contaminants of Potential Concern: VOCs, SVOCs, metals, pesticides, and explosives

Media of Concern: Groundwater

Site Location: Grid F4, northwest of the intersection of Mapes Road and Taylor Avenue.

Site Description: The 2004 EBS (Berger EA 2004) suggested that a possible landfill may be in the northern portion of this site, north of former Parks Golf Course hole 14 and east of the NSA property. This assessment is based on ground scars observed in historical aerial photographs and surficial debris (metal cans, pipes, and a fire hydrant) seen at this location during a 2004 site visit (Berger EA 2004).

This AOI was also the Former Mortar Range. This AOI is the IRP portion of the Mortar Range; the MMRP portion is covered in Section 2.2.1. The foldout map in the pocket of the SMP containing all SMP AOI shows the overlap of this AOI with the MMRP AOI.

Previous Studies: Over the course of previous investigations at this site, 40 surface soil samples (and 4 duplicate surface soil samples), 21 subsurface soil samples, and 4 groundwater samples (plus 1 duplicate) were collected and analyzed. Based on a risk analysis of the analytical results, heptachlor epoxide, cobalt, and manganese elevate the risk numbers above the site-specific action levels. Methylene chloride was detected above its MCL.

As part of the 2011 SI, two groundwater samples were collected and analyzed for VOCs, SVOCs, pesticides, and explosives. No compounds exceeded risk levels.

Current Use: Vacant land / NSA Construction site

Current Status: Based on the results of the 2011 SI, EPA approved NFA for this AOI on 17 February 2012.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.16 FGGM-95 (OU-45) – SITE M - PARCEL 8

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
EBS 2004
PA/SI 2007
PA/SI 2010–2014
Focused Enhanced Site Investigation (FESI) Sept 2012–Nov/2012
FESI Final Report ..... May 2013

Contaminants of Potential Concern: Metals

Media of Concern: Soil and groundwater

Site Location: Grid F3, in the 8800 Block, 500 feet southeast of the intersection of Rockenbach and 29th Division Roads.

Site Description: This location was identified in the EBS as a possible dump site during a review of a 1938 aerial photograph (Berger EA 2004).

Previous Studies: Over the course of previous investigations at this AOI, one surface soil sample, six subsurface soil samples, and two groundwater samples (one total metals and one dissolved metals) were collected and analyzed. Based on a risk analysis of the analytical results, antimony, arsenic, cobalt, nickel, and iron elevate the risk numbers above the site-specific action levels. Lead was detected above its MCL.

An EPA-approved soil removal effort was conducted.

Current Use: NSA Construction site.

Current Status: Based on the closure report for Site M Parcel 8, EPA approved NFA for this AOI on 16 December 2013.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.17 FGGM-95 (OU-45) – SITE M – PARCEL 9

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
EBS	2004
PA/SI	2007
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F3, northwest of the intersection of Cooper Avenue and Reece Road.

Site Description: Disturbed ground was identified at this location in a 1938 historical aerial photograph, and ground scarring/disturbance was identified here in a 1943 aerial (Berger EA 2004). Ground scarring/disturbance, stressed vegetation, or staining was not identified at this location in the EPA (1996) historical aerial photograph study of the installation.

Previous Studies: A geophysical investigation (Berger EA 2004) was conducted to inspect the disturbed ground and ground scarring. The geophysical investigations of this area revealed some anomalies.

As part of the EBS for this site, four subsurface soil samples and two groundwater samples were collected and analyzed for the anomalies that could not be attributed to utilities or the cart path.

Current Use: Office building

Current Status: EPA approved NFA for this AOI on 7 January 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.18 FGGM-95 (OU-45) – SITE Y

Regulatory Driver: CERCLA/MDE Solid Waste Program

Environmental Investigations:

MDE Site Number SC-O-12-SW-251 2012
Waste Characterization Report 2012
Draft Final Site Y Cleanup Plan 2013
Confirmatory Sampling Data Summary Report 2013
PA/SI 2014–2016
Final Removal Completion Report 2015

Contaminants of Potential Concern: VOCs, metals, and pesticides

Media of Concern: Unknown (investigation pending)

Site Location: Grid H4, southwest of the intersection of 9th Street and Ernie Pyle Road.

Site Description: Site Y was identified as an AOI when waste was observed on the ground surface in 2012. Site Y is a 0.9-acre, uncontrolled dumpsite where demolition debris and soil from an unknown source were placed between 2000 and 2001.

In 2012, MDE issued a Site Complaint Number concerning the debris at FGGM Site Y.

Previous Studies: Site Y has undergone an investigation and remediation.

On 29 April 2013, soil samples were collected at Site Y to characterize the soil for waste disposal.

During the removal action at Site Y, two types of debris were observed at the site. The northern third of the site consisted primarily of construction debris; the southern two thirds contained what appeared to be landfill debris consisting of bottles, china, refractory brick, and demolition debris. There was an estimated 3,500 cubic yards of soil and demolition debris disposed of in the Site Y debris pile. After removal and disposal of the waste piles, surface soil samples were collected and analyzed. Confirmation sampling of soils remaining in place were collected and analyzed for SVOCs, VOCs, metals, mercury, herbicides, and pesticides.

Due to elevated benzo(a)pyrene levels at two separate locations, additional soils were excavated. Confirmation samples indicated that these two sources were removed but another exceedance of benzo(a)pyrene was found on the new south wall. It was determined that no further excavation was required to address benzo(a)pyrene.

The PA/SI was initiated in the summer of 2014. Soil and groundwater samples were collected and analyzed to assess current site conditions.

Current Use: The debris at Site Y has been removed. This AOI is currently an open field.

Current Status: The Final Site Y Addendum to the Southeast PA/SI Report was approved in March 2016. The EPA approved NFA for this AOI on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.19 FGGM-95 (OU-45) – SMALL PIT – 1952

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA/SI 2007, 2010–2015

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H3, in the northeastern portion of the installation, northeast of Forrest Avenue.

Site Description: Small Pit – 1952 was identified as an AOI because the EPA (1996) historical aerial photograph study of the installation listed a small pit on the 1952 aerial. The small pit was not specifically called out in the text of the EPA (1996) report. The small pit was also not called out in subsequent aerial photographs, nor did the EPA (1996) suggest it was filled in. There is no evidence of scaring, staining, or disturbance in any of the historical aerial photographs (EPA 1996).

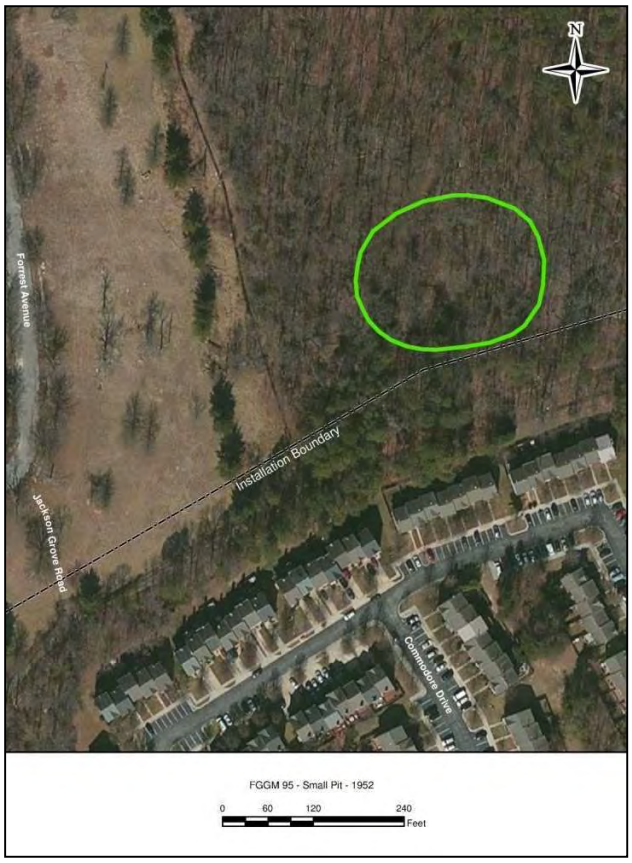
Previous Studies: No previous sampling was undertaken. This area was extensively walked as part of a PA/SI (URS 2007), and no signs of pits or stressed vegetation were identified. The EPA (1996) study did not identify stained soils or stressed vegetation in this area.

As part of the PA/SI, three surface and three subsurface soil samples were collected and analyzed for VOCs, SVOCs, metals, pesticides, herbicides, TPH-DRO, and TPH-GRO. The concentrations of cobalt in surface soil cause excess risk at this AOI.

Current Use: Wooded

Current Status: The Final PA/SI Report has been approved. The EPA approved NFA for this AOI on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.



2.5.14.20 FGGM-95 (OU-45) – TAYLOR AVENUE BURIED DRUM SITE

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
Geophysical Survey 2007
SI 2007
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F4, in the south-central portion of the installation, approximately 150 feet south of the intersection of Taylor Avenue and Gordon Street.

Site Description: The Taylor Avenue Buried Drum site was identified as an AOI on 24 February 2006, when, while mapping a gas line for Baltimore Gas & Electric, Soft Dig crews discovered a buried drum along Taylor Avenue. The drum was located between Building 6500, the Defense Information School, and Building 6530, the Auto Craft Shop. The AOI is confined to the eastern edge of Taylor Avenue.

Previous Studies: Over the course of previous investigations at this AOI, one drum composite sample and three post-excavation subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Roadways and grass fields

Current Status: EPA approved NFA for this AOI on 5 October 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.21 FGGM-95 (OU-45) – WASTE STORAGE/DISPOSAL AREA – 1938

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study.....1996

PA/SI.....2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil

Site Location: Grid I5, in the southeast corner of the installation, at the State Route 175/32 interchange.

Site Description: Waste Storage/Disposal Area – 1938 was identified as an AOI because possible waste storage or disposal was identified at this AOI during analysis of a 1938 aerial photograph. However, the EPA (1996) aerial photograph study of the installation did not identify this AOI until 1943.

Previous Studies: The EPA (1996) aerial photograph study of the installation identified a "Possible Dump or Waste Storage" area approximately 1,000 feet west of this AOI in the 1938 aerial. That site is being further studied under OU-4 as FGGM-88. A building and vehicles are observed at the AOI in the 1943 aerial photograph. The building number or past use is not known. The description for the 1952 aerial photograph states "This possible waste storage/disposal site has changed since 1943. It is now being used to store stockpiled raw materials. No evidence of waste material exists." The outline of the eastern area appears on the 1963 aerial, but there is no discussion of this area in the text of the EPA (1996) report. A possible ground scar can be seen in the 1970 aerial; however, the EPA (1996) study does not address it. The description for the 1975 aerial photograph states "almost all of the raw materials previously stored at this site are removed."

As part of the PA/SI, subsurface soil samples were collected and analyzed for VOCs, SVOCs, and metals.

Current Use: State Route 175/32 interchange, raw material storage, and grassy area.

Current Status: The Final PA/SI Report has been approved. The EPA approved NFA for this AOI on 18 April 2016. In addition, groundwater in this area is being investigated under OU-4.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.22 FGGM-95 (OU-45) – POSSIBLE DUMP SITE B – 1957

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
Geophysical Investigation	2004
PA/SI	2007
PA/SI	2010–2015
SSI	2017–2019

Contaminants of Potential Concern: Metals and dioxins

Media of Concern: Soil and groundwater

Site Location: Grid F2, in the northern portion of the installation, 200 feet north of Clark Road and 700 feet west of the Clark Road/ Rockenbach Road intersection.

Site Description: Possible Dump Site B – 1957 was classified as a "solid waste/dump" by EPA during an analysis of a 1957 aerial photograph. The solid waste was no longer present in the 1963 aerial photograph (EPA 1996). Drums were not observed, but brick, steel pipes, and other construction debris were found at this AOI.

Previous Studies: A geophysical investigation (Versar 2004) revealed two areas of elevated terrain conductivity and numerous significant metal anomalies throughout the AOI. The ground penetrating radar profiles indicated disturbed soil to a depth of at least 5 feet.

The 2007 PA/SI involved the excavation of six test pits and four direct-push samples. Nine subsurface soil samples and two groundwater samples were collected and analyzed. Fill material approximately 1.5 feet thick and consisting of household trash and cinders was encountered in two of the direct-push borings. Based on a risk analysis of the analytical results, iron, cobalt, arsenic, and chromium elevate the risk numbers above the site-specific action levels. As part of the PA/SI, one subsurface soil sample was collected and analyzed for dioxins, and two groundwater monitoring wells were installed, and groundwater samples were collected and analyzed for total and dissolved metals. Soil does not pose a risk at this AOI. The concentrations of chromium, cobalt, and thallium in groundwater cause excess risk at this AOI.

Current Status: The Final SSI recommended NFA. An NFA Consensus Letter was received from the EPA on 15 February 2019 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.14.23 FGGM-95 (OU-45) – POSSIBLE DUMP SITE E – 1957

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
Geophysical Survey	2004
PA/SI	2007
PA/SI	2010–2015
SSI	2016–2019

Contaminants of Potential Concern: Metals and dioxins

Media of Concern: Groundwater, sediment, and soil

Site Location: Grid F2, in the northern portion of the installation, west of the intersection of Rockenbach Road and Cooper Avenue.

Site Description: Possible Dump Site E – 1957 was identified as an AOI because the EPA (1996) historical aerial photograph study of the installation listed "burning waste" at this location during an analysis of a 1957 aerial photograph. The EPA (1996) study did not identify stained soils or stressed vegetation in this area in any of the historical aerial photographs.

Previous Studies: A geophysical investigation of Site E – 1957 showed erratic, lower-intensity signals, but nothing consistent enough to signify extensive buried material (Versar 2004). During the geophysical investigation, rusted 55-gallon drums, tires, and construction debris were found in a stream that runs through this AOI. Several groundwater seeps were noted along the stream's southern bank.

Over the course of previous investigations at this AOI, five subsurface soil samples, four groundwater samples, three sediment samples, and three surface water samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, cobalt, manganese, iron, arsenic, and chromium elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, soil samples were collected and analyzed for dioxins; a groundwater monitoring well was installed; and groundwater, sediment, and soil samples were collected and analyzed for metals.

Current Use: Forested

Current Status: The final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 15 February 2019 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15 FGGM-96 (OU-46) – Former Motor Pools, Wash Racks, and Buildings

2.5.15.1 FGGM-96 (OU-46) – Directorate of Public Works Entomology Department, Former Motor Pool, Building 294

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
SI	1999
Data Gap Investigation	2002
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H4, on the eastern portion of the installation, in the southeast corner of the intersection of 4th Street and Chamberlin Avenue. Building 294 is in the northwest corner of MP-7/WR-6. MP-7/WR-6 is being addressed separately.

Site Description: Building 294 (SWMU 010) was identified as a potential past SWMU in the 1996 SWMU study (BCM 1996) because it was formerly used as an MP. Building 294 is used for administrative purposes and houses the DPW Entomology Department, where pesticides are stored and mixed. Pesticides, herbicides, fungicides, and rodenticides are stored inside; an outdoor concrete slab is used for mixing chemicals. The AOI is also identified as a "vehicle service and staging area" in historical aerial photographs dated 1943 through 1988, and as a "former vehicle service and staging area" in a 1995 historical aerial photograph (EPA 1996).

Previous Studies: During previous investigations at this AOI, 6 surface soil samples and 11 subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Administrative

Current Status: EPA approved NFA for this AOI on 20 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.2 FGGM-96 (OU-46) – ASSOCIATED WASH RACK AND OIL/WATER SEPARATOR, BUILDING 1251

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visits	1999, 2001
SI	2001
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid G1, in the northern portion of the installation, in the southeast quadrant of the intersection of 26th Street and Annapolis Road.

Site Description: Building 1251 was identified as SWMU 19 because a portion of the building is used for vehicle maintenance (BCM 1996). The adjacent WR (SWMU 21) and OWS (SWMU 20) were identified as SWMUs because of systematic wash water discharge into the OWS from the WR (BCM 1996).

The maintenance shop in the building uses and stores small quantities of lube oil, waste oil, brake fluid, and antifreeze. Four former storage sheds, two near Building 1251 and two on the east side of Building 1252, were used to store hazardous materials and petroleum products; the sheds were removed in the late 1990s.

Previous Studies: Over the course of previous investigations at this AOI, 4 surface soil samples and 16 subsurface soil samples (plus 1 duplicate subsurface soil sample) were collected and analyzed.

Current Use: Administrative functions and storage of military vehicles and equipment; a portion of the building is used for minor vehicle maintenance.

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.3 FGGM-96 (OU-46) – VEHICLE MAINTENANCE, BUILDING 2121

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study 1996
Sampling Visits 1999
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H2, Former Building 2121 was located in the northeastern portion of the installation, at the southeast quadrant of the intersection of Annapolis Road and 21½ Street.

Site Description: Building 2121 (SWMUs 29 and 30) was constructed in 1941. It was identified as two SWMU facilities in the 1996 SWMU study (BCM 1996) because of its past operation as a vehicle and small engine maintenance repair facility (SWMU 30) and its more recent use for equipment maintenance and repair (SWMU 29). There were no spills or reported releases identified by BCM during the SWMU study (BCM 1996).

At the time of the 1998 sampling activities (Versar 1999c), vehicles and equipment were parked in the yard, and limited quantities of antifreeze, gasoline, diesel fuel, and motor oil were stored on the AOI. The building was demolished in early 1999, shortly after the 1998 sampling activities.

Previous Studies: Over the course of previous investigations at this AOI, 6 surface and 13 subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Parking lot

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.4 FGGM-96 (OU-46) – MAINTENANCE FACILITY, FORMER BUILDING 2122

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
Sampling Visits	1999
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H2, in the northeastern portion of the installation, in the southeast quadrant of the intersection of 21½ Street and Annapolis Road.

Site Description: Building 2122 was identified as SWMU 31 during the 1996 SWMU study (BCM 1996) because of its past use as a vehicle maintenance facility. There were no spills or reported releases identified during the SWMU study (BCM 1996). Former Building 2122 was used as a vehicle maintenance facility from its construction in 1941 until 1975, for camouflage painting from 1975 to 1978, and for storing miscellaneous military supplies (tents and small motors) from 1978 until its demolition in early 1999.

Previous Studies: Over the course of previous investigations at this site, four subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Administrative

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.5 FGGM-96 (OU-46) – MAINTENANCE FACILITY, FORMER BUILDING 2123

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study 1996
Sampling Visits 1999
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H2, in the northeastern portion of the installation, in the southeast quadrant of the intersection of 21½ Street and Annapolis Road.

Site Description: Former Building 2123 (SWMU 032) was constructed in 1941. It was used as a vehicle maintenance facility in the 1970s, and for equipment storage since that time until it was removed, sometime between 2001 and 2003.

Previous Studies: Over the course of previous investigations at this site, four subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Parking lot and grassy area

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.6 FGGM-96 (OU-46) – MAINTENANCE FACILITY, BUILDING 2124

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study 1996
Sampling Visits 1999
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H2, in the northeastern portion of the installation, approximately 800 feet southeast of the intersection of 21½ Street and Annapolis Road.

Site Description: Building 2124 was constructed in 1941 and identified as two SWMUs during the 1996 SWMU study (BCM 1996) because it was used as a vehicle and tool storage area (SWMU33) and because routine waste from the building may have been contained and discarded on site during the building's former use as a vehicle maintenance facility (SWMU 34). There were no spills or reported releases identified during the SWMU study (BCM 1996). It is unknown when the building was removed.

Previous Studies: Over the course of previous investigations at this AOI, four subsurface soil samples (and one duplicate subsurface soil sample) were collected and submitted for laboratory analysis.

Current Use: Trees and grass

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.7 FGGM-96 (OU-46) – MEDICAL SUPPLY/ADMINISTRATION, BUILDING 2484

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visit	2000
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H4, in the southeastern portion of the installation, approximately 250 feet northwest of the intersection of Ernie Pyle and 4th Streets.

Site Description: Building 2484 (SWMU 073) served as a warehouse for receiving and storing hospital supplies. The building stored unopened containers of chemicals, including cleansers, acetone, methanol, ammonia, alcohol pads, and developers and fixers for the hospital's X-ray machine. In the past, products were stored in a flammable room in the building. These chemicals are reportedly no longer stored in this building.

Previous Studies: Over the course of previous investigations at this site, four subsurface soil samples and one groundwater sample were collected and submitted for laboratory analysis.

Current Use: Administrative

Current Status: EPA approved NFA for this AOI on 20 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.8 FGGM-96 (OU-46) – DENTAL RESEARCH LABORATORY, FORMER BUILDING 2802

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
Sampling Visit	2001
PA	2012

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H3, in the eastern portion of the installation, approximately 1,200 feet north of the intersection of Mapes Road and Chisholm Avenue.

Site Description: Former Building 2802 (SWMU 093) was constructed in 1941 and used as a dental research laboratory for approximately 10 years starting in the early 1970s. The dental research laboratory used radioactive materials until it was decommissioned. Radioactive waste was removed by the Forest Glen health physics office, and the radioactive materials license was relinquished in 1994. The building was used in the mid-1990s for administrative purposes and storing laboratory equipment, and it was demolished by early 2000.

Previous Studies: Over the course of previous investigations at this site, four subsurface soil samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels.

Current Use: Grassy field

Current Status: EPA approved NFA for this AOI on 18 April 2012.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.9 FGGM-96 (OU-46) – CHEMICAL STORAGE AND ELECTRON MICROSCOPY LAB, FORMER BUILDING 2804

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visit	2000
Data Gap Investigation	2002
PA	2012

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H3, in the eastern portion of the installation, north of the intersection of Ernie Pyle and 13th Streets.

Site Description: Building 2804 was identified as a potential former SWMU (094) because it was formerly used as an electron microscopy laboratory. The building was used as a barracks before it became a laboratory (BCM 1996).

Chemicals were stored in flammable cabinets, storage shelves, and in a chemical waste cabinet. Chemicals on the shelves included potassium permanganate, buffer solutions, hydrochloric acid, and uranium acetate (uranyl acetate). The amount of uranium acetate stored and used at this AOI would have been minimal.

Previous Studies: Over the course of previous investigations at this AOI, 3 surface soil samples, 10 subsurface soil samples, and 3 groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels.

Current Use: Grass field

Current Status: EPA approved NFA for this AOI on 18 April 2012.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.10 FGGM-96 (OU-46) – LAB/CHEMICAL STORAGE/OFFICERS' MESS HALL, FORMER BUILDING 2805

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visit	2000
Data Gap Investigation	2002
PA	2012

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H3, in the eastern portion of the installation, southeast of the intersection of Ernie Pyle and 13th Streets.

Site Description: Building 2805 was identified as a potential past SWMU (095) in the 1996 SWMU study (BCM 1996) because it was formerly used as a high-performance liquid chromatography lab and microencapsulation lab since the 1970s, and exactly how waste was managed in the past is unknown. There were no spills or reported releases identified during the SWMU study (BCM 1996).

Building 2805 stored chemicals, including lithium bromide, magnesium sulfate, potassium phosphate, heptane, acetonitrile, dextran, polyvinyl alcohol, and buffer solution. Prior to being used as a laboratory, the building was used as barracks. Building 2805 was demolished in the late 1990s.

Previous Studies: Over the course of previous investigations at this site, 7 direct-push borings were advanced around Building 2805; three surface soil samples, 13 subsurface soil samples, and one groundwater sample were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels.

Current Use: Grassy field

Current Status: EPA approved NFA for this AOI on 18 April 2012.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.11 FGGM-96 (OU-46) – DENTAL CLINIC, FORMER BUILDING 2831

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
Environmental Impact Statement (EIS)	1997
Sampling Visit	2000
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H3, in the eastern portion of the installation, approximately 1,500 feet north of the intersection of Mapes Road and Chisholm Avenue.

Site Description: Former Building 2831 (SWMUs 96 and 97) was constructed in 1941 for administrative purposes. It was also used for dentistry training and as a dental clinic, an x-ray processing lab, and chemical storage. There were two silver recovery units inside the building. Wastewater from the silver recovery units was flushed down the sanitary sewer, where it was treated at a wastewater treatment plant. The building was demolished in 1999.

Previous Studies: Over the course of previous investigations at this site, six direct-push borings were completed adjacent to Former Building 2831, and six subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Vacant, grass-covered lot

Current Status: EPA approved NFA for this AOI on 20 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.12 FGGM-96 (OU-46) – ADMINISTRATIVE, BUILDING 4552

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
SWMU Study 1996
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid G4, in the southeastern portion of the installation, northwest of the intersection of Llewellyn and Cooper Avenues.

Site Description: Building 4552 – administrative and 1940 barracks (non-SWMU 10), was not identified as an SWMU in the 1996 SWMU study (BCM 1996) because no routine waste was stored or produced here. Current and past use of Building 4552 consisted of support facilities, primarily administrative, for intelligence agencies. It typically stored cleaners (floor wax, strippers, and detergents) and office supplies. There are no reports of pesticides being stored at this building.

Previous Studies: Building 4552 was investigated as part of the SWMU study and included in the SWMU report (BCM 1996). BCM indicated there were no spills or reported releases in the building or the area surrounding this building during the SWMU study (BCM 1996).

Current Use: Administrative

Current Status: EPA approved NFA for this AOI on 20 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.13 FGGM-96 (OU-46) – PHOTO LAB, BUILDING 4554

Regulatory Driver: CERCLA

Environmental Investigations:

EIS	1977
SWMU Study	1996
Sampling Visit	2000
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid G4, in the southern portion of the installation near the intersection of Llewellyn and Cooper Avenues.

Site Description: Building 4554 (SWMU 100) was used as a support facility for the intelligence agencies; it consists of a photo lab, electronics fabrication, and administrative functions. Typical maintenance chemicals such as cleaners, floor waxes, strippers, and detergents were stored in the building. The photo lab contained a silver recovery system for the developer and fixer, and after recovery the developers and process chemicals were flushed into the sanitary sewer system, where it was treated by a wastewater treatment plant. These operations reportedly no longer occur at this facility.

Previous Studies: Over the course of previous investigations at this AOI, eight direct-push borings were advanced around Building 4554, and eight subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Administrative

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.14 FGGM-96 (OU-46) – WASH RACK SYSTEM FOR MOST RECENT GOLF COURSE CLUB HOUSE, BUILDING 6800

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
Sampling Visits	1998–1999
Data Gap	2002
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F3, east of Taylor Avenue.

Site Description: The SWMU study (BCM 1996) identified an OWS (SWMU 139) and WR (SWMU 140) adjacent to and northeast of Building 6865, the former clubhouse, which was located east of Taylor Avenue. The SWMU Sampling Visit and Data Gap studies involved collecting samples east of Building 6800, the site of the most recent Golf Course Club House. The WR associated with the most recent Golf Course Club House (Building 6800) off Taylor Avenue is used for rinsing and washing golf carts and golf course maintenance equipment. Building 6800 was constructed in 1993. The former Golf Course Club House, Building 6865, was located directly south of Building 6800, and is addressed as a separate site (Section 1.1.7.13).

Previous Studies: Over the course of previous investigations at this AOI, three surface soil samples and six subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Vacant building

Current Status: EPA approved NFA for this AOI on 7 January 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.15 FGGM-96 (OU-46) – WASH RACK SYSTEM FOR FORMER GOLF COURSE CLUB HOUSE, BUILDING 6865

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study 1996
Historical Aerial Photograph Study 1996
PA/SI 2011

Contaminants of Potential Concern: VOCs, SVOCs, metals, herbicides, and pesticides

Media of Concern: Soil and groundwater

Site Location: Grid F3, east of Taylor Avenue.

Site Description: The SWMU study (BCM 1996) identified an OWS (SWMU 139) and WR (SWMU 140) adjacent to and northeast of Building 6865, the former clubhouse. Building 6865 was located east of Taylor Avenue. The site of former Building 6865 is currently a parking lot. The SWMU Sampling Visit and Data Gap studies collected samples east of Building 6800, the site of the most recent Golf Course Club House. The WR associated with the former Golf Course Club House (Building 6865) was not investigated. The former Golf Course Club House, Building 6865, was located directly south of Building 6800, and is addressed as a separate site.

Previous Studies: As part of the 2011 SI, two surface soil samples, three subsurface soil samples, and one groundwater sample were collected and analyzed for VOCs, SVOCs, metals, herbicides, and pesticides.

Current Use: Parking lot

Current Status: Based on the results of the 2011 SI, EPA approved NFA for this AOI on 17 February 2012.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.16 FGGM-96 (OU-46) – DENTAL CLINIC, BUILDING 8472

Regulatory Driver: CERCLA

Environmental Investigations:

Draft EIS	1977
SWMU Study	1996
Sampling Visit	2000
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F4, in the southern portion of the installation on Simonds Road between Zimborski Avenue and 6th Armored Calvary Road.

Site Description: Building 8472 (SWMU 109) was constructed in the early 1960s and replaced a building constructed in the mid-1950s. Building 8472 was used as a dental clinic, and it contained a silver recovery system. After recovery, developers and process chemicals were flushed into the sanitary sewer system. Chemicals not in active use were stored in a locked room in several flammable materials cabinets and on storage shelves.

These activities reportedly stopped.

Previous Studies: Over the course of previous investigations at this AOI, four subsurface soil samples were collected and submitted for laboratory analysis.

Current Use: Administrative

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.17 FGGM-96 (OU-46) – VEHICLE MAINTENANCE, BUILDING 8487

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study 1996
RFA 3rd Phase 1999
PA 2011

Contaminants of Potential Concern: TPH, VOCs, and SVOCs

Media of Concern: Soil and groundwater

Site Location: Grid F5, in the southwestern portion of the installation, southwest of the intersection of O'Brien Road and Simonds Street.

Site Description: Building 8487 (SWMUs 119 and 120) was used as an MP for conducting maintenance checks on military vehicles, including oil changes. This AOI also contains five sheds west of Building 8487 that used to store paints, oils, antifreeze, and waste oil. Building 8487 stores acetylene and argon for welding.

Previous Studies: Over the course of previous investigations at this site, two surface soil samples and eight subsurface soil samples were collected from eight different borings around Building 8487. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels.

Current Use: Administrative

Current Status: EPA approved NFA for this AOI on 5 October 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.18 FGGM-96 (OU-46) – ADMINISTRATIVE, BARRACKS, AND CLINIC, BUILDINGS 2454, 2455, 2456, AND 2457

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H4, in the southeastern portion of the installation, in the northeast quadrant of the intersection of Wilson and 4½ Streets.

Site Description: Former Building 2454 was used for administration since its construction in the early 1940s and was demolished in 1999/2000.

Former Building 2455 was used as barracks beginning in the early 1940s and later served as the Dental Headquarters administration.

Former Building 2456 served as the Community Counseling Center for social drug rehabilitation.

Former Building 2457 served as the eye clinic and administrative offices of Optometry Services, and they stored/used alcohol preps, acetone, office supplies, and household cleaners.

Previous Studies: No soil or groundwater samples have been collected at this AOI. The 1996 SWMU study did not identify these AOI as SWMUs (non-SMWU 1–4), and it recommended NFA. The Fort Meade Environmental Partnership approved this AOI for NFA in 1999. There are no recent or historical indications of releases or contamination at these AOI (BCM 1996). There is no evidence of scarring, staining, or disturbance in any of the historical aerial photographs (EPA 1996).

Current Use: Buildings 2454-2457.

Current Status: EPA approved NFA for this AOI on 20 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.19 FGGM-96 (OU-46) – STOREHOUSE, BUILDING 2801

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study 1996
Historical Aerial Photograph Study 1996
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H3, in the eastern portion of the installation, in the northwest corner of the intersection of Chisholm Avenue and 13th Street.

Site Description: Former Building 2801 (non-SWMU 5) was constructed in the early 1940s. Prior to 1985, the building was used as a warehouse to store lab equipment for the Corps of Engineers. More recently it was used as a research/administrative facility that utilized computers, video equipment, and robotics. Chemicals stored inside the building included small amounts of oils for the lathe and dry Polaroid films for photographic supplies. Chemicals were generally used entirely, and if any waste was produced, it was moved to Building 2832. Building 2801 was demolished in 1999 or 2000.

Building 2801 was not identified as an SWMU in the 1996 SWMU study (BCM 1996). The SWMU study recommended NFA for this AOI (BCM 1996). There are no recent or historical indications of releases or contamination at this AOI. There is no evidence of scarring, staining, or disturbance in any of the historical aerial photographs (EPA 1996).

Previous Studies: No soil or groundwater samples have been collected at this AOI.

Current Use: Grass field

Current Status: EPA approved NFA for this AOI on 20 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.20 FGGM-96 (OU-46) – BARRACKS AND ADMINISTRATIVE, BUILDINGS 9802 AND 9803

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study 1996
Historical Aerial Photograph Study 1996
PA 2011

Contaminants of Potential Concern: Not determined

Media of Concern: Not determined

Site Location: Grid E3, in the western portion of the installation, southeast of the intersection of Canine Road and Cochrane Lane.

Site Description: Buildings 9802 (non-SWMU 12) and 9803 (non-SWMU 13) have been used for troop housing since their construction in the mid-1950s. No chemicals are used or stored in these buildings except typical cleaners, and no routine waste is generated, discharged, or stored in these buildings. Buildings 9802 and 9803 were not identified as SWMUs in the 1996 SWMU study because there was no storage of waste material or systematic waste discharges. However, they were investigated as part of the SWMU study and included in the SWMU (1996) report.

Previous Studies: Over the course of previous investigations at this site, personnel knowledgeable about the buildings were interviewed and historical aerial photographs were reviewed. In both cases, no evidence of a release of hazardous substances resulting in contamination to soil, groundwater, or surface water was found. There is no evidence of scarring, staining, or disturbance in any of the historical aerial photographs (EPA 1996).

Current Use: Barracks and administrative

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.21 FGGM-96 (OU-46) – PRIVATELY OWNED VEHICLE WASH RACK

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study 1996
Historical Aerial Photograph Study 1996
RFA 3rd Phase 1999
PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F5, SWMUs 141 and 142 are located in the southern portion of the installation, southeast of Dutt Road.

Site Description: The WR system located southeast of Dutt Road is not associated with any building. The system was identified as two SWMUs during a 1996 SWMU study because it routinely discharged wash water from the WR (SWMU 142) to the OWS (SWMU 141) (BCM 1996). The WR was in use during the 1999 RFA for washing privately owned vehicles. Its construction date is unknown, but buildings occupied the AOI from the early 1940s through the 1960s. This AOI was not identified in the EPA (1996) review of historical aerial photographs of the installation; no stains, stressed vegetation, standing liquid, or other environmental concerns were identified at this location.

Previous Studies: Over the course of previous investigations at this AOI, six subsurface soil samples were collected and analyzed.

Current Use: Grass and trees

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.22 FGGM-96 (OU-46) – FORMER OIL/WATER SEPARATOR AND WASH RACK

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
RFA 3rd Phase	1999
SI	2001
PA	2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H4, in the southeastern portion of the installation, northwest of the intersection of 4th and Y Streets.

Site Description: SWMUs 143 and 144 were identified as two SWMUs because the WR (SWMU 144) discharged to the OWS (SWMU 143), and then to the sanitary sewer system when washing military vehicles and equipment. The area was converted to a family campground at the end of 2001. The construction date is unknown for the WR system. It consisted of a concrete lined WR and associated OWS and was demolished and removed in 1999.

Previous Studies: No spills or reported releases were identified during the SWMU study (BCM 1996).

Over the course of previous investigations at this AOI, six surface soil samples (plus one duplicate sample), five subsurface soil samples, and two groundwater samples (plus one duplicate sample) were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels.

Current Use: Roadways and grassy areas

Current Status: EPA approved NFA for this AOI on 20 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.23 FGGM-96 (OU-46) – OIL TANKS

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA 2011

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid E3/E4, in the western portion of the installation, west of Dennis Road, south of Emory Road, and south of Building 9807.

Site Description: Two oil tanks and a heating plant are located at this AOI. The oil tanks probably held heating oil for the adjacent heating plant and did not hold any hazardous material. It is unknown why these oil tanks are considered an AOI. This location was not identified as an AOI during the 1996 SWMU study (BCM 1996) or the EPA (1996) historical aerial photograph study of the installation. The EPA (1996) study did not identify stained soils, stressed vegetation, standing liquid, or other environmental concerns in this area in any of the historical aerial photographs.

Previous Studies: No previous sampling has been undertaken.

Current Use: Oil tanks

Current Status: EPA approved NFA for this AOI on 15 June 2011.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.24 FGGM-96 (OU-46) – FORMER MOTOR POOL 1/WASH RACK 4

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2010–2015
SSI 2016-2018

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil

Site Location: Grid G4, in the south-central portion of the installation, west of Cooper Avenue, east of Griffin Avenue, south of Bundy Street, and north of Williams Road.

Site Description: MP-1/WR-4 was identified as an AOI because they were identified on the circa 1952 land use map (Anon. 1952). The EPA (1996) study identified a vehicle service and storage area at this location on the 1963 and 1970 aerial photographs. The write-up for the 1975 aerial photograph specifically states "No Longer a Vehicle Service and Storage Area, Now a Parking Lot" for this location.

Previous Studies: Potential environmental concerns were not cited for this location in the EPA report. There are no recent or historical indications of releases or contamination at this AOI. Also, there is no evidence of scarring, staining, or disturbance in any of the historical aerial photographs. This site may have been used as a parking lot for an MP and for washing cars (WR) for a limited time. It is unknown if vehicles were serviced at any of the former buildings at this AOI. Three of the four buildings have been removed, and most likely the soil has been graded. No stains or stressed vegetation was observed on any of the historical aerial photographs of this location.

There has been no previous environmental sampling at MP-1/WR-4. As part of the PA/SI, 14 surface soil samples were collected and analyzed for VOCs, SVOCs, and metals. The concentrations of PAHs (Benzo(a)pyrene, Benzo(a)fluoranthene, Benzo(a)anthracene) in surface soil cause excess risk at this AOI.

Current Use: Parking lot with grassy areas.

Current Status: The Final SSI recommended NFA for this AOI. An NFA Consensus Letter was received from the EAP on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.25 FGGM-96 (OU-46) – FORMER MOTOR POOL 2

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
Soil and Groundwater Quality Investigation 2009
PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals

Media of Concern: Soil and groundwater

Site Location: Grid G4, in the south-central portion of the installation, west of Griffin Avenue and north of Simonds Street.

Site Description: MP-2 was identified as an AOI because it was identified on the circa 1952 land use map (Anon. 1952). This AOI was also identified in the EPA (1996) review of historical aerial photographs, which shows a vehicle service and storage area at this location on the 1963, 1970, 1975, and 1988 aerial photographs.

Previous Studies: Stains, standing liquid, or stressed vegetation was observed at this AOI in the 1963, 1970, 1975, and 1988 aerial photographs (EPA 1996). Presently, the AOI does not exhibit signs of staining, runoff, or stressed vegetation.

Over the course of previous investigations at this AOI, five surface soil samples, five subsurface soil samples (plus one duplicate sample), and four groundwater samples were collected and submitted for laboratory analysis.

The soil and groundwater quality investigation (United States Army Center for Health Promotion and Preventive Medicine [USACHPPM] 2009) concluded that the results of the soil and groundwater analytical data suggest there has not been a contaminant release at the Former MP-2 area. However, the four areas of historical surficial staining have not been fully evaluated.

As part of the PA/SI, four subsurface soil samples were collected, and four groundwater monitoring wells were installed and sampled. All samples were analyzed for VOCs, SVOCs, TPH-GRO, TPH-DRO, and metals. Soil does not pose a risk at this AOI. The concentrations of benzo(a)pyrene and chromium in groundwater cause excess risk at this AOI.

Current Use: Grassy field/vacant lot

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.26 FGGM-96 (OU-46) – FORMER MOTOR POOL 3/WASH RACK 2

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil

Site Location: Grid F4, east of Zimborski Avenue, north of Simonds Street, in the southern portion of the installation.

Site Description: MP-3/WR-2 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). The EPA (1996) report shows a vehicle service and storage area at this location on the 1963, 1970, 1975, and 1988 aerial photographs. The write-up for the 1995 aerial photograph specifically states "Former Vehicle Service and Storage Area" for this location. The EPA study did not report any environmental conditions for this location. There are no recent or historical indications of releases or contamination at this AOI. Also, there is no evidence of scarring, staining, or disturbance in any of the historical aerial photographs. This site may have been used as a parking lot (MP) and for washing cars (WR) for a limited time. The potential for contamination in this area is minimal. It is unknown if vehicles were serviced at any of the former buildings in this AOI. All buildings have been removed, and the soil has been excavated and graded.

Previous Studies: As part of the PA/SI, surface soil samples were collected and analyzed for VOCs, SVOCs, and metals.

Current Use: Parking lot with grassy areas.

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.27 FGGM-96 (OU-46) – FORMER MOTOR POOL 4

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil

Site Location: Grid F5, in the southern portion of the installation, south of Dutt Road, west of Zimborski Avenue.

Site Description: MP-4 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). The EPA (1996) study shows a vehicle service and storage area at this location on the 1943 and 1947 aerial photographs. Potential environmental concerns (e.g., stained soil or stressed vegetation) were not cited for this location in the EPA (1996) report.

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, five surface soil samples were collected and analyzed for VOCs, SVOCs, and metals.

Current Use: Grassy and wooded area.

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.28 FGGM-96 (OU-46) – FORMER MOTOR POOL 6

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2010–2015
SSI 2016–2018

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil

Site Location: Grid H5, in the southeastern portion of the installation, at the State Route 175/32 interchange.

Site Description: MP-6 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). According to the 1952 map, there are no buildings within the outline of this MP. This AOI was not identified in the EPA (1996) historical aerial photograph study of the installation. Since there were no former buildings at this AOI, it is unlikely that vehicles were serviced at this AOI. All surrounding buildings were removed by 1993, and the soil has been excavated and graded. No stains or stressed vegetation was observed on any of the historical aerial photographs of this location. The buildings were gone at the time of the 1996 SWMU study (BCM 1996), so the SWMU study did not cover this portion of the installation.

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, two subsurface soil samples were collected and analyzed for VOCs, SVOCs, and metals. The Final PA/SI Report recommended an SSI be conducted for soils for chromium speciation for this AOL.

Current Use: Grassy area and part of State Route 175/32 interchange

Current Status: The SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.29 FGGM-96 (OU-46) – FORMER MOTOR POOL 8

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
PA/SI	2010–2015
SSI	2016–2018

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H4, in the southeastern portion of the installation, east of Ernie Pyle Street, west of Chisholm Road, south of 4th Street, and north of Huber Road.

Site Description: MP-8 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). The EPA (1996) study shows a vehicle service and storage area at this location on aerial photographs from 1943, 1952, and 1957. This area is not shown in the 1947 aerial photograph. The 1952 land use map (Anon., 1952) identifies MP-8 in the southwestern portion of the AOI outlined in the EPA study (1996).

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, two subsurface soil samples were collected, and one groundwater monitoring well was installed and sampled. All samples were analyzed for VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals. Soil does not pose a risk at this AOI. The concentrations of chromium, manganese, cobalt, and thallium in groundwater cause excess risk at this AOI. The Final PA/SI Report recommended NFA for soils and an SSI be conducted for groundwater for total and dissolved metals, including hexavalent and trivalent chromium speciation.

Current Use: Grass field

Current Status: The SSI recommended NFA for this AOI. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.30 FGGM-96 (OU-46) – FORMER MOTOR POOL 14

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H2, in the northeastern portion of the installation, east of State Route 175 and south of 20th Street.

Site Description: MP-14 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). The AOI is also identified in the EPA (1996) historical aerial photograph study of the installation, which shows a vehicle service and storage area at this location on the 1943, 1947, 1952, 1957, 1963, 1970, and 1975 aerial photographs. Five sumps are shown in the southern and eastern portions of this area on the 1957 aerial photograph (EPA 1996). The sumps, or the area around them, were not discolored or stained. A stain is visible in the southwestern portion of this area in the 1963 aerial photograph, but not in subsequent aerial photographs.

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, one subsurface soil sample was collected and analyzed for VOCs, SVOCs, TPH-DRO, TPH- GRO, and metals.

Current Use: Parking lot and grass field

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.31 FGGM-96 (OU-46) – FORMER MOTOR POOL 17

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2010–2015
SSI 2016–2018

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid G2, in the northeastern portion of the installation, north of Clark Road, east of MacArthur Road, and west of 21st Street.

Site Description: MP-17 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). This AOI was also identified in the EPA (1996) historical aerial photograph study of the installation, which shows a vehicle service and storage area at this location on the 1943, 1947, 1957, 1963, and 1970 aerial photographs.

Previous Studies: No stains or stressed vegetation was observed at this AOI during the EPA (1996) review of historical aerial photographs of this AOI. There were no previous samples collected at this AOI.

As part of the PA/SI, six subsurface soil samples were collected and analyzed for VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals.

The concentrations of chromium and iron in subsurface soil samples cause excess risk at this AOI. The Final PA/SI Report recommended NFA for groundwater and an SSI be conducted for soils for chromium speciation.

Current Use: Ball field and grassy area

Current Status: The SSI recommended NFA for this AOI. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.32 FGGM-96 (OU-46) – FORMER MOTOR POOL 19/WASH RACK 13

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid G2, in the northern portion of the installation, north of Clark Road, east of 27th Street, and west of Oliver Street.

Site Description: MP-19/WR-13 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). The AOI was also identified in the EPA (1996) review, which shows a vehicle service and storage area at this location on the 1943, 1952, 1957, 1963, 1970, and 1975 aerial photographs.

Previous Studies: The EPA (1996) study identified a stain in the southwestern portion of the AOI, stressed vegetation directly to the north, and a runoff pattern off the northwest corner of the vehicle service and storage area on the 1957 aerial photograph. Over the course of previous investigations at this AOI, six surface soil samples (plus one duplicate sample), six subsurface soil samples, and three groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, chromium elevates the risk numbers above the site-specific action levels.

As part of the PA/SI, eight subsurface soil samples were collected, and eight groundwater monitoring wells were installed and sampled. All samples were analyzed for VOCs, SVOCs, TPH- DRO, TPH-GRO, and metals. Soil does not pose a risk at this AOI. The concentrations of chromium, cobalt, thallium, and iron in groundwater cause excess risk at this AOI.

Current Use: Buildings, parking areas, and a grass field

Current Status: The EPA approved this AOI for NFA on 15 August 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.33 FGGM-96 (OU-46) – FORMER WASH RACK 3

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study 1996
Historical Aerial Photograph Study 1996
PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil

Site Location: Grid F4, in the southern portion of the installation, north of Simonds Street and east of York Avenue.

Site Description: This WR was probably used for washing cars. Chemicals potentially used at this WR may have included soap and car wax. Neither this WR nor nearby Building 6507 were identified as SWMUs during the SWMU study (BCM 1996), so there are no reports of hazardous chemicals being used or stored at the building or the WR. Access to WR-3 appears to be from York Avenue or along a path leading from Building 6507.

Previous Studies: The WR first appears on the 1943 aerial and is last seen on the 1977 aerial. By 1984, it is no longer visible. The EPA (1996) review of historical aerial photographs did not identify potential concerns at this area. No stained soils or stressed vegetation was identified on any aerial photographs.

As part of the PA/SI, four surface soil samples were collected and analyzed for VOCs, SVOCs, and metals.

Current Use: Undeveloped

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.34 FGGM-96 (OU-46) – PHOTOGRAPHY LAB, BUILDING 546

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU	1996
Sampling Visit.	1999
Delineation Reports	2000
PA/SI	2010–2015
SSI	2016–2018

Contaminants of Potential Concern: SVOCs and metals

Media of Concern: Soil and groundwater

Site Location: Grid H4, in the eastern portion of the installation, on 8th Street between Chamberlin and Chisholm Avenues.

Site Description: Building 546 (SWMU 011) was identified as an SWMU because of routine discharge of water from a silver recovery unit (BCM 1996). The discharge point was the Fort Meade sanitary sewer system. There were no spills or reported releases identified during the SWMU study (BCM 1996). Prior to 1985, the building was used as a visual information training center, and since 1985 it has been used as a full-service photographic laboratory, offices, and graphic arts department.

Previous Studies: Over the course of previous investigations at this AOI, 12 subsurface soil samples (plus 1 duplicate subsurface soil sample) and 12 groundwater samples (plus 1 duplicate groundwater sample) were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic, copper, mercury, and chromium elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, three groundwater monitoring wells were installed and sampled for SVOCs and metals. Soil does not pose a risk at this AOI. The concentrations of chromium, arsenic, thallium, mercury, copper, cobalt, and cadmium in groundwater cause excess risk at this AOI. The Final PA/SI Report recommended NFA for soil and an SSI be conducted for groundwater for bis(2-ethylhexyl)phthalate, polyfluorinated chemicals, and total and dissolved metals, including hexavalent and trivalent chromium speciation for this AOI.

Current Use: Vacant (demolished building)

Current Status: The SSI recommended NFA for this AOI. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.35 FGGM-96 (OU-46) – MOTOR POOL, WASH RACK, AND OIL/WATER SEPARATOR, BUILDING 940

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visits	1999
SI	2001
PA/SI	2010–2015
SSI	2016–2018

Contaminants of Potential Concern: Metals

Media of Concern: Soils and groundwater

Site Location: Grid G3/H3, in the eastern portion of the installation, in the northwest corner of the intersection of 18th and Ernie Pyle Streets.

Site Description: Former Building 940 (SWMU 146) was identified as a potential past SWMU in the 1996 SWMU study (BCM 1996) because it was formerly used as an MP, and it is not known exactly how waste from the MP was managed. The associated former WR (SWMU 13) and OWS (SWMU 12) were identified as potential SWMUs because of systematic discharge of wash water to the OWS from the WR (BCM 1996). No spills or reported releases were identified during the SWMU study (BCM 1996). Building 940 was vacant for a while and demolished in 1999. The OWS and WR were also removed in 1999.

Previous Studies: Over the course of previous investigations at this AOI, 4 surface soil samples (plus 1 duplicate surface soil sample), 14 subsurface soil samples (plus 1 duplicate subsurface soil sample), and 6 groundwater samples (plus 2 duplicate groundwater samples) were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic, cobalt, iron, aluminum, and chromium elevate the risk numbers above the site-specific action levels. As part of the PA/SI, two groundwater monitoring wells were installed and sampled for metals. Arsenic, beta-BHC, chromium, and thallium were listed as contaminants of potential concern. The Final PA/SI Report recommends NFA for soils and an SSI be conducted for groundwater for TPH-DRO, TPH-GRO, and chromium speciation.

Current Use: Parking lot

Current Status: The SSI recommends NFA for this AOI pending regulatory approval. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.36 FGGM-96 (OU-46) – DISPATCH, STORAGE, AND PARKING AREA FOR EMERGENCY MEDICAL UNITS AND WASH RACK NEAR BUILDING 2630

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visits	1999
SI	2001
PA/SI	2010–2015
SSI	2016–2018

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, TPH-GRO, herbicides, and pesticides

Media of Concern: Soil and groundwater

Site Location: Grid H4, in the eastern portion of the installation, west of the intersection of Ernie Pyle and 10th Streets, and north of Building 2630.

Site Description: The SWMU 78 WR was used for washing military vehicles and was constructed of a bermed concrete platform with a catch basin that drained to the OWS (SWMU 77).

Formerly two WRs, identified as SWMU 79, were in a former building north of Building 2630. They were removed sometime prior to 1999.

Previous Studies: Over the course of previous investigations at this site, 17 direct-push borings were completed; four surface soil, 17 subsurface soil, and two groundwater samples were collected and submitted for analysis. Based on a risk analysis of the analytical results, MCPP and arsenic elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, two surface soil samples were collected and analyzed for herbicides, and two groundwater monitoring wells were installed and sampled for VOCs, SVOCs, TPH-DRO, TPH-GRO, metals, herbicides, and pesticides. Soil does not pose a risk at this AOI. The concentrations of chromium, cobalt, and thallium in groundwater cause excess risk at this AOI. The Final PA/SI Report recommends NFA for soils and an SSI be conducted for groundwater for total dissolved metals, including hexavalent and trivalent chromium speciation.

Current Use: Administrative and vacant lot

Current Status: The SSI recommends NFA for this AOI. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.37 FGGM-96 (OU-46) – WASH RACKS, RECREATIONAL EQUIPMENT STORAGE, OIL/WATER SEPARATOR, AND RECREATIONAL VEHICLE STORAGE, AND MAINTENANCE SHOP, BUILDING 2728

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
RFA 3rd Phase	1999
SI	2001
PA/SI	2010–2015
SSI	2016–2018

Contaminants of Potential Concern: VOCs, metals, herbicides, and pesticides

Media of Concern: Soil and groundwater

Site Location: Grid H3, in the eastern portion of the installation, 700 feet north of the intersection of Mapes Road and Ernie Pyle Street. The WRs associated with the building are located approximately 800 feet west of Ernie Pyle Street and 500 feet north of Mapes Road.

Site Description: Building 2728 (SWMU 148) was built in the 1950s and was formerly used as a military vehicle and equipment maintenance facility. It stored relatively small quantities of hazardous chemicals (motor and lubricating oil, antifreeze, used oil, degreasers, and batteries).

Four WRs (SWMUs 89 and 92) and two OWS (SWMUs 87 and 88) were removed and paved over with concrete in 1999 and 2000.

Previous Studies: Over the course of previous investigations at this site, 20 direct-push borings were completed; 4 surface soil, 20 subsurface soil, and 10 groundwater samples were collected and submitted for analysis. Based on a risk analysis of the analytical results, 2-methyl-4-chlorophenoxyacetic acid (MCPA), MCPP, chloroform, and bromodichloromethane elevate the risk numbers above the site-specific action levels.

As part of the 2013 PA/SI, two surface soil samples were collected and analyzed for herbicides and two groundwater monitoring wells were installed and sampled for VOCs and metals. Soil does not pose a risk at this AOI. The concentrations of chloroform, chromium, manganese, and thallium in groundwater cause excess risk at this AOI.

Current Use: Storage of outdoor recreational equipment/vehicles

Current Status: The SSI recommends NFA for this AOI. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.38 FGGM-96 (OU-46) – SCREEN REPAIR AND INDUSTRIAL SHOP, BUILDING 3000

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visit	2000
Data Gap Investigation	2002
PA/SI	2010–2015

Contaminants of Potential Concern: VOCs

Media of Concern: Soils and groundwater

Site Location: Grid G2, in the northeastern portion of the installation, approximately 300 feet east of the intersection of 21st and Ernie Pyle Streets.

Site Description: Building 3000 (SWMU 098) was identified as a SWMU because waste is systematically discarded and contained at the facility (BCM 1996). Freon recovery and disposal also occurs. In addition, materials stored in the parking lot may have been spilled, though no spills or reported releases were identified during the SWMU study (BCM 1996). The building is surrounded by pavement. At the time of the sampling visits, this AOI was handling chemicals properly, used secondary containment, and everything was on paved surfaces. No spills or leaks were reported, and no signs of spills or leaks were noted during site visits.

Previous Studies: Over the course of previous studies at this AOI, 9 surface soil samples (plus 1 duplicate surface soil sample) and 11 subsurface soil samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels.

As part of the PA/SI, one groundwater monitoring well was installed and sampled for VOCs.

Current Use: Community

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.39 FGGM-96 (OU-46) – 1941 COLD STORAGE, BUILDING 4272

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
SWMU Study 1996
PA/SI 2010–2015

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid G5, in the southern portion of the installation, northeast of the intersection of Rock Avenue and Leonard Wood Avenue.

Site Description: Building 4272 (non-SWMU 9) was used as a cold storage facility for the commissary from the early 1940s until 1994 and was a vacant warehouse at the time of the 1996 SWMU study. The building contained a Freon unit that was stored in a machine room. Freon 22 was used from 1981 to 1996; Freon 12 was used prior to 1981. All Freon had been drained from the refrigeration units. The 1996 SWMU study reported that any leaks of Freon or oils would have been contained within the building.

Building 4272 was not identified as an SWMU in the 1996 SWMU study. The SWMU study recommended NFA for this AOI.

Previous Studies: There have been no soil samples collected at this AOI over the course of previous studies.

As part of the PA/SI, one groundwater monitoring well was installed and sampled for Freon.

Current Use: Electrical substation

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.40 FGGM-96 (OU-46) – WASH RACK AND OIL/WATER SEPARATOR SOUTHEAST OF FORMER BUILDING 8480

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
RFA 3rd Phase	1999
SI	2001
Data Gap Investigation	2002
PA/SI	2010–2015

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F5, in the southwestern portion of the installation, north of Dutt Road.

Site Description: This AOI included a former WR (SWMU 111) that discharged wash water to an OWS (SWMU 110), which in turn discharged to a sanitary sewer line south of the WR. The discharge water was treated at a wastewater treatment plant. This former WR and OWS was located southeast of former Building 8480.

Previous Studies: Over the course of previous investigations at this AOI, 14 surface soil samples and 20 subsurface soil samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, MCPP elevates the risk numbers above the site-specific action levels.

The PA/SI included collecting one subsurface soil sample and analyzing it for herbicides.

Current Use: Parking lot and grass areas

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.41 FGGM-96 (OU-46) – FORMER MOTOR POOL AND WASH RACK, BUILDINGS 8549, 8550, AND 8551

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
RFA 3rd Phase	1999
SI	2001
Project Summary Report	2003
PA/SI	2010–2015
SSI	2016–2018

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, TPH-GRO, cyanide, and PCBs

Media of Concern: Soil and groundwater

Site Location: Grid F4, in the southwestern portion of the installation, near the intersection of O'Brien Road and Simonds Street

Site Description: Building 8549 was constructed in the mid-1950s, served as an MP (SWMU 122) until the mid-1990s, and as a biomedical maintenance area (SWMU 121) from 1994 to the late 1990s. Since then, it has been used as a practice hall and instrument storage for military musicians.

Building 8550 was constructed in the mid-1950s and used as an MP (SWMU 126) until December of 1993, when the 85th General Hospital Maintenance (SWMU 125) moved in.

Building 8551 was used as a vehicle maintenance shop (SWMU 149). The WR (SWMU 128) and OWS (SWMU

127) were identified as SWMUs because of systematic discharge of wash water to the OWS (BCM 1996).

Previous Studies: Over the course of previous investigations at this AOI, three surface soil samples, 36 subsurface samples (plus one duplicate sample), and 29 groundwater samples (plus one duplicate sample) were collected and analyzed. Based on a risk analysis of the analytical results, benzo(a)pyrene, cadmium, lead, arsenic, and chromium elevate the risk numbers above the site-specific action levels.

During the PA/SI, three surface soil samples were collected and analyzed for VOCs, SVOCs, and metals, TPH-DRO, and TPH-GRO.

One subsurface soil sample was collected and analyzed for SVOCs. Six groundwater monitoring wells were installed, and groundwater samples were analyzed for VOCs, SVOCs, metal, TPH-DRO, TPH-GRO, cyanide, and PCBs. Soil does not pose a risk at this AOI. The concentrations of arsenic, chloroform, chromium, cobalt, TPH-DRO, and TPH-GRO in groundwater cause excess risk at this AOI.

Current Use: Practice hall and instrument storage

Current Status: The SSI recommended NFA for this AOI. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.42 FGGM-96 (OU-46) – WASTEWATER TREATMENT PLANT, BUILDING 9581

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
RFA 3rd Phase	1999
PA/SI	2010–2015
SSI	2016–2018

Contaminants of Potential Concern: VOCs, metals, and pH

Media of Concern: Soil and groundwater

Site Location: Grids E4 and E5, in the southwestern portion of the installation, approximately 600 feet southwest of the intersection of State Routes 32 and 198. SWMU 138 (Building 9581 – Wastewater Treatment Facility) and FGGM-19 (the Advanced Wastewater Treatment Facility) are collocated, and all investigation of this geographic area is being conducted under SWMU 138. AEDB-R FGGM-19 has been administratively closed, and all future work associated with FGGM-19 will be handled under SWMU 138.

Site Description: Building 9581 is a sewage treatment facility that was constructed in the late 1970s or early 1980s. Building 9581 contains a 4,000-gallon hydrochloric acid AST, a lime silo, and multiple open-top, below-ground wastewater treatment tanks. Building 9581 had two USTs that are now abandoned; a 4,000-gallon steel UST that contained heating abandoned in November 2000, and a 10,000-gallon steel UST that contained diesel fuel abandoned in 1990.

Previous Studies: Over the course of previous investigations at this AOI, one surface soil sample, 22 subsurface soil samples, and 9 groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic and chromium elevate the risk numbers above the site-specific action levels.

During the PA/SI, two groundwater monitoring wells were installed and sampled for VOCs, metals, and pH. Soil does not pose a risk at this AOI. The concentrations of arsenic, cobalt, chromium, manganese, and iron in groundwater cause excess risk at this AOI.

Current Use: Sewage treatment facility

Current Status: The SSI recommended NFA for this site under CERCLA and that this AOI be investigated by the operator of the wastewater treatment plant under the direction of the MDE Waste Management Administration Compliance Division. An NFA Consensus Letter was received from the EPA on 12 June 2018 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.43 FGGM-96 (OU-46) – POSSIBLE VEHICLE SERVICE AREA A – 1943

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H4, in the eastern portion of the installation, east of Ernie Pyle Street, west of Chisholm Avenue, south of 9th Street, and north of 8th Street.

Site Description: A possible vehicle service and staging area was identified at this location in the 1943, 1947, and 1952 aerial photographs (EPA 1996). Staining was also noted in the 1943 aerial photograph. The circa 1952 land use map identifies 19 MPs on the installation, but it did not identify an MP at the location of Possible Vehicle Service Area A – 1943. According to the 1952 land use map, Buildings 2511 and 2517 were in the northern portion of this AOI, and Buildings 2504 and 2509 were in the southern portion of this AOI. There is ample evidence to suggest that this AOI was not used to service vehicles.

Previous Studies: There were no previous samples collected at this AOI. The PA/SI included soil and groundwater sampling in the areas of past staining. Three subsurface soil samples were collected, and one groundwater monitoring well was installed and sampled. All samples were analyzed for VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO. Soil does not pose a risk at this AOI. The concentrations of chromium in groundwater cause excess risk at this AOI.

Current Use: Grass field and parking lot

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.44 FGGM-96 (OU-46) – POSSIBLE VEHICLE SERVICE AREA B – 1943

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996

PA/SI 2010–2015

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H3, in the eastern portion of the installation, north of Mapes Road and west of Ernie Pyle Street.

Site Description: A possible vehicle service and staging area was identified at this location in a 1943 aerial photograph (EPA 1996). The EPA (1996) study did not identify stained soils or stressed vegetation in this area in any of the historical aerial photographs. According to the 1952 land use map, Building 2722 was located on the eastern edge of this AOI, and Building 2720 was located in the southern portion of the AOI. By 1988, most of this AOI is covered with trees. There is little evidence to suggest that vehicles were serviced at this AOI; and the site was likely used as a parking lot.

Previous Studies: No previous sampling has been undertaken. The EPA (1996) study did not identify stained soils or stressed vegetation at this location.

The PA/SI included collecting three surface soil samples, installing one groundwater MW, and collecting a groundwater sample. The soil and groundwater samples were analyzed for VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO.

Current Use: Trees and grass

Current Status: The Final PA/SI Report has been approved. The EPA approved NFA for this AOI on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.45 FGGM-96 (OU-46) – FORMER INCINERATOR SITE – REECE ROAD

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
Historical Records Review 2006
Subsurface Soil Investigation 2006
PA/SI 2010–2015

Contaminants of Potential Concern: Metals, dioxins, and furans

Media of Concern: Soil

Site Location: Grid G3, in the central part of the installation, north of Reece Road and west of the intersection of Reece Road and MacArthur Road.

Site Description: This AOI was labeled "incinerator" on the 1922–1923 War Games Map (Anon. 1952) and is shown at the west end of Incinerator Road, west of the intersection of Portland Road and Jessup Road. On the 1922–1923 map, MacArthur Road is identified as Jessup Road; the part of Reece Road east of Jessup Road is identified as Portland Road, and the part west of Jessup Road is identified as Incinerator Road.

In a 1942 map of FGGM (685th Engineer Company 1942), this site is identified as the "C.W. Gas Cham" and is shown at the same location. There is no legend identifying what "C.W." stands for.

Map 4-6 of the Historical Records Review report (Malcolm Pirnie 2006) incorrectly locates the site northeast of Site M Parcel 9 at the end of Reece Road, west of Cooper Avenue. The EPA (1996) study of the installation did not identify this incinerator, nor stained soils or stressed vegetation, in this area in any of the historical aerial photographs.

Previous Studies: Over the course of previous investigations at this AOI, three surface soil and 12 subsurface soil samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, the risk numbers are below site-specific action levels.

The PA/SI included collecting 6 surface soil samples that were analyzed for dioxins, furans, and metals.

Current Use: Developed with housing, Larkin Road, and grass cover

Current Status: The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.46 FGGM-96 (OU-46) – MOTOR REPAIR AND GARAGE, BUILDING 4587

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
RFA 3rd Phase	1999
SI	2001
PA/SI	2010–2015

Contaminants of Potential Concern: VOCs, metals, herbicides, and PCBs

Media of Concern: Groundwater

Site Location: Grid G4, in the southern portion of the installation approximately 150 feet southeast of the intersection of Leonard Wood Avenue and Simonds Street.

Site Description: Building 4587 (SWMU 101 and 102) was used as a personal vehicle repair shop and was formerly used as an MP. An oil crusher and parts washer are in Building 4587 for vehicle and equipment maintenance activities. The crushed filters were placed in 55-gallon drums, and used oil was stored in a double-walled 800-gallon AST located outside of the east wall of the building. When the 55-gallon drums became full, they were sent DRMO for disposal. The used oil and cleaner from the parts washer were also managed through the DRMO. An OWS was in the southern end of Building 4587. The OWS accepted runoff from the floor drains within the building. Five former USTs were located at Building 4587. All five USTs were 550-gallon tanks that stored No. 2 fuel oil for heating the building.

Previous Studies: Over the course of previous investigations at this AOI, 6 surface soil samples, 7 subsurface soil samples, and 11 groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic, MCPA, MCPP, iron, and chromium elevate the risk numbers above the site-specific action levels.

During the PA/SI, three groundwater monitoring wells were installed and sampled for VOCs, total and dissolved metals, herbicides, and PCBs. Soil does not pose a risk at this AOI. The concentrations of benzene in groundwater cause excess risk at this AOI.

Current Use: Vehicle Maintenance / Leased to Firestone

Current Status: The Final PA/SI Report has been approved. The EPA approved this AOI for NFA on 18 April 2016.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.47 FGGM-96 (OU-46) – FORMER MOTOR POOL 5, POSSIBLE VEHICLE STORAGE AREA – 1957

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2010–2015
SSI 2016–2019

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid G5, in the southern portion of the installation, approximately 50 feet northeast of the intersection of Taylor Avenue and Hodges Street.

Site Description: MP-5 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). This AOI was also identified in the EPA (1996) historical aerial photograph study of the installation as "Possible Vehicle Storage Area – 1957," which shows a vehicle service and storage area at this location on the 1957, 1963, and 1975 aerial photographs. The outline of the AOI changed during those periods.

The 1963 aerial photograph summary identifies ground staining with a drainage pattern that flows east into an adjacent wooded area. The 1988 aerial photograph write-up states that there is a persistent drainage pattern leading from a small building to the adjacent woods, but no stains or stressed vegetation are noted. The 1995 aerial photograph summary specifically states "Former Vehicle Service and Storage Area" for this location.

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, two surface soil samples and two subsurface soil samples were collected plus two groundwater monitoring wells were installed and sampled. All samples were analyzed for VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals. The concentrations of chromium and iron in soil and arsenic, iron, naphthalene, and manganese in groundwater cause excess risk at this AOI.

Current Use: Grassy field and trees

Current Status: The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 15 February 2019 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.48 FGGM-96 (OU-46) – FORMER MOTOR POOL 9

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2007
PA/SI 2010–2015
SSI 2016–2019

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H4, in the eastern portion of the installation, east of Chamberlain Avenue, west of State Route 175, halfway between 6th and 4th Streets, and near present Building 375.

Site Description: The EPA (1996) historical aerial photograph study of the installation listed a vehicle service and storage area in this area on the 1943, 1947, 1952, 1957, 1963, 1970, and 1975 aerial photographs. This vehicle service and storage area was expanded after 1943; it covers more area in the 1947 aerial photograph and is larger yet on the 1952 aerial photograph, extending down to 4th Street. Stains appear in 1952, 1957, 1963, and 1970 aerial photographs (EPA 1996).

Previous Studies: Over the course of previous investigations at this AOI, four subsurface soil samples and two groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic, iron, vanadium, and chromium elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, three surface soil samples and three subsurface soil samples were collected, and four groundwater monitoring wells were installed and sampled. All samples were analyzed for VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals. Soil does not pose a risk at this AOI. The concentrations of chromium, cobalt, naphthalene, and thallium in groundwater cause excess risk at this AOI.

Current Use: Administrative and a grass field

Current Status: The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 15 February 2019 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.49 FGGM-96 (OU-46) – MEDICAL LAB, BUILDING 2490

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visit	1999
PA/SI	2010–2015
SSI	2016–2019

Contaminants of Potential Concern: Metals TPH-DRO, and TPH-GRO

Media of Concern: Soils and groundwater

Site Location: Grid H4, in the southeastern portion of the installation, approximately 500 feet south of the intersection of Wilson Street and Llewellyn Avenue.

Site Description: Building 2490 (SWMU 074) has been used as a medical laboratory since its construction in the late 1950s. Chemicals used in the lab include methanol, acid dichromate, 2-proponal, hexanes, and 2,2,4-trimethyl pentane. Chemicals used in the lab are kept in the refrigerated room or in flammable cabinets, as appropriate. The basement was used as a radioactive section of a clinical laboratory from 1960 to 1994. Chemicals used in the radioactive section included buffer solutions, alcohol, and WD-40. The radioactive materials were stored in a refrigerated room.

Previous Studies: Over the course of previous investigations at this site, 9 surface soil samples, 21 subsurface soil samples, and 9 groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic, mercury, and chromium elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, one subsurface soil sample was collected and analyzed for SVOCs, metals TPH-DRO, TPH-GRO, dioxins, and furans; three groundwater monitoring wells were installed and sampled for VOCs, SVOCs, metals TPH-DRO, TPH-GRO. Soil does not pose a risk at this AOI. The concentrations of chromium, arsenic, manganese, iron, copper, and mercury in groundwater cause excess risk at this AOI.

Current Use: Administrative

Current Status: The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 15 February 2019 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.50 FGGM-96 (OU-46) – OUTDOOR RECREATION EQUIPMENT RENTALS AND WASH RACK, BUILDING 2724

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
RFA 3rd Phase	1999
Sampling Visits	1999 and 2001
SI	2001
PA/SI	2010–2015
SSI	2016–2019

Contaminants of Potential Concern: VOCs, metals, TPH-DRO, TPH-GRO, herbicides, and pesticides

Media of Concern: Soil and groundwater

Site Location: Grid H3, in the eastern portion of the installation, 700 feet north of the intersection of Mapes Road and Ernie Pyle Street.

Site Description: Building 2724 (SWMUs 080, 081, 082, 083, 084, 085, and 086) was constructed in the 1950s and used by the Directorate of Personnel & Community Activities for outdoor recreation equipment rental.

Four WRs and two associated OWSs were located approximately 100 feet to the west-southwest of Building 2724. The WRs consisted of concrete basins that discharged into the two OWSs. The OWSs discharged into the hazardous waste storage shed in the parking lot. The WRs and OWSs were removed and paved over with concrete in 1999/2000.

Previously, larger quantities of hazardous chemicals and petroleum products were used and stored within and outside the building, including motor and lubricating oil, antifreeze, used oil, degreasers, and batteries.

Previous Studies: Over the course of previous investigations at this site, 4 surface soil, 18 subsurface soil, and 19 groundwater samples were collected and submitted for analysis. Based on a risk analysis of the analytical results, MCPA, iron, aluminum, mercury, cobalt, manganese, arsenic, copper, and chromium elevate the risk numbers above the site-specific action levels. As part of the PA/SI, four subsurface soil samples were collected and analyzed for VOCs and four groundwater monitoring wells were installed and sampled for VOCs, herbicides, pesticides, TPH-DRO, and metals. Soil does not pose a risk at this AOI. The concentrations of chromium, arsenic, TCE, PCE, manganese, MCPA, and cobalt in groundwater cause excess risk at this AOI.

Current Use: Outdoor recreation equipment storage

Current Status: The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 15 February 2019 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.51 FGGM-96 (OU-46) – LAB AND BARRACKS, FORMER BUILDINGS 2810, 2811, AND 2832

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
SWMU Study	1996
PA/SI	2010–2015
SSI	2016–2019

Contaminants of Potential Concern: Metals

Media of Concern: Soil and groundwater

Site Location: Grid H3, in the eastern portion of the installation, northeast of the intersection of Ernie Pyle and 14th Streets.

Site Description: Former Building 2810 – Lab and 1941 Dayroom (Non-SWMU 6) was constructed in the early 1940s and has only been used for administrative purposes. A library moved here in the 1990s.

Former Building 2811 – Lab and 1941 Barracks (Non-SWMU 7) was constructed in the early 1940s. It was used as a barracks in the 1970s. The Army Dental Research Detachment moved into the building in the 1980s; the first floor was used as a dental research laboratory, and the second floor was administrative. All chemicals were used entirely, and the building did not generate waste.

Former Building 2832 – Administrative and 1941 Unknown (Non-SWMU 8) has been used solely for administration since its construction in the early 1940s and did not generate waste. The Army Dental Research Detachment moved into this building in the 1980s and used it for administrative purposes.

All the buildings were demolished in 1999 or 2000.

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, one subsurface soil sample was collected, and one groundwater monitoring well was installed and sampled. All samples were analyzed for metals. Soil does not pose a risk at this AOI. The concentrations of cobalt and manganese in groundwater cause excess risk at this AOI.

Current Use: Grassy field

Current Status: The Final SSI recommended NFA for this site, An NFA Consensus Letter was received from the EPA on 15 February 2019 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.52 FGGM-96 (OU-46) – SERVICE STATION AND PAST VEHICLE REPAIR SHOP, BUILDING 4680

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Historical Aerial Photograph Study	1996
RFA 3rd Phase	1999
SI	2001
PA/SI	2010–2015
SSI	2016–2019

Contaminants of Potential Concern: VOCs, SVOCs, metals, and PCBs

Media of Concern: Soil and groundwater

Site Location: Grid G4, in the southern portion of the installation, approximately 150 feet northeast of the intersection of Leonard Wood Avenue and Simonds Street.

Site Description: Building 4680 (SWMU 103) was used as an auto-detailing shop and gas station, with paved parking, gas pump islands, and an AST enclosure. The AST enclosure was a membrane-lined concrete structure that provided fuel to dispenser islands throughout the AOI. At the time of the SWMU study, the AOI contained a 500-gallon used oil tank, an OWS, and a non-operable oil filter crusher. There were 12 active gasoline pumps associated with the gasoline service station. Since 1985, the USTs were removed and replaced with ASTs. Personnel at Building 4680 at the time of the SWMU study thought that several USTs that were removed had been leaking fuel oil.

Previous Studies: Over the course of previous investigations at this AOI, 4 surface soil samples, 23 subsurface soil samples, and 25 groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, chromium, naphthalene, arsenic, acrolein, benzene, and 1,2,4-trimethylbenzene elevate the risk numbers above the site-specific action levels.

During the PA/SI, five groundwater monitoring wells were installed and sampled for VOCs, SVOCs, metals, and PCBs. Soil does not pose a risk at this AOI. The concentrations of benzene, naphthalene, ethylbenzene, arsenic, 1,2,4-trimethylbenzene, xylenes, toluene, and some metals in groundwater cause excess risk at this AOI.

Current Use: Automotive detailing shop

Current Status: The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 15 February 2019 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.53 FGGM-96 (OU-46) – FORMER MOTOR POOL 10

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2010–2015
SSI 2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, and metals

Media of Concern: Soil and groundwater

Site Location: Grid H4, in the southeastern portion of the installation, north of 5th Street, south of Llewellyn Avenue, east of Wilson Street, and west of Ernie Pyle Street.

Site Description: MP-10 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). This AOI was also identified in the EPA (1996) review of historical aerial photographs, which shows a vehicle service and storage area at this location on the 1938 aerial photograph. Part of this AOI is currently covered by KACC (previously referred to as Kimbrough Army Hospital and identified as FGGM-37) and the boiler plant for the hospital (identified as SWMU 72). The 1952 land use map (Anon. 1952) locates MP-10 in a small portion of the middle of this AOI. The 1943 historical aerial photograph (EPA 1996) outlines a larger area.

The SSI report combined this AOI with Building 2480 and Building 2482 due to the proximity of the two AOIs.

Previous Studies: Staining is observed in the 1943, 1947, and 1957 aerial photographs. By 1963, this former vehicle service and storage area had been converted into the Kimbrough Army Community Hospital. As part of the investigations of Buildings 2480 and 2482, soil and groundwater samples were collected from within the outline of MP-10. Previous samples are discussed under Buildings 2480 (Section 2.5.9) and 2482 (Section 2.5.15.61).

As part of the PA/SI, two surface soil samples were collected, and two groundwater monitoring wells were installed and sampled. All samples were analyzed for VOCs, SVOCs, and metals. Soil does not pose a risk at this AOI. The concentrations of cobalt, manganese, and thallium in groundwater cause excess risk at this AOI.

Current Use: KACC medical clinic, parking lots, and grass areas

Current Status: The Final PA/SI Report has been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.54 FGGM-96 (OU-46) – FORMER MOTOR POOL 11/WASH RACK 7

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2010–2015
SSI 2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H3, in the eastern portion of the installation, east of Ernie Pyle Street, west of State Route 175, north of Mapes Road, and south of 13th Street.

Site Description: MP-11/WR-7 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). This AOI is also identified in the EPA (1996) study, which shows a vehicle service and storage area at this location in the 1947 and 1952 aerial photographs. Ground staining is visible at three locations, and standing liquid is noted at one location on the 1947 aerial photograph (EPA 1996). The standing liquid was not discolored or stained. No staining is visible in the 1952 aerial photograph. A smaller area at this location is shown as a vehicle service and storage area in the 1963, 1970, and 1975 aerial photographs.

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, four surface soil samples were collected, and four groundwater monitoring wells were installed and sampled. All samples were analyzed for VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals. Soil does not pose a risk at this AOI. The concentrations of chromium, benzo(a)pyrene, and cobalt in groundwater cause excess risk at this AOI.

Current Use: Open field

Current Status: The Final PA/SI Report has been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.55 FGGM-96 (OU-46) – FORMER MOTOR POOL 12/WASH RACK 8

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
PA/SI	2010–2015
SSI	2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H3, in the eastern portion of the installation, east of Chisholm Avenue, south of Reece Road, and west of State Route 175.

Site Description: MP-12/WR-8 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). The AOI is also identified in the EPA (1996) study, which shows a vehicle service and storage area at this location on the 1957, 1963, 1970, and 1975 aerial photographs. Staining is visible in the southeastern portion of this AOI in the 1957 and 1963 aerial photographs, and standing liquid is noted in the same area on the 1963 aerial photograph (EPA 1996). The standing liquid was not discolored or stained. The write-up for the 1988 aerial photograph specifically states, "Vehicle Service and Storage Area No Longer Present."

The SSI report combined this AOI with Former MP 13/Wash Rack 9 due to the proximity of the two AOIs.

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, two subsurface soil samples were collected, and one groundwater monitoring well was installed and sampled. All samples were analyzed for VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals. Soil does not pose a risk at this AOI. The concentrations of chromium, benzo(a)pyrene, cobalt, manganese, and thallium in groundwater cause excess risk at this AOI.

Current Use: Administrative and a grass area

Current Status: The Final PA/SI Report has been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.56 FGGM-96 (OU-46) – FORMER MOTOR POOL 13/WASH RACK 9

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2010–2015
SSI 2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H2, in the northeastern portion of the installation, north of Reece Road, east of Chisholm Avenue, and west of State Route 175.

Site Description: MP-13/WR-9 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). This AOI is also identified in the EPA 1996 historical aerial photograph study of the installation, which shows a vehicle service and storage area at this location on the 1943, 1947, 1957, 1963, 1970, and 1988 aerial photographs. Staining is visible in the northwestern portion of this AOI in the 1963 and 1970 aerial photographs (EPA 1996).

The SSI report combined this AOI with Former MP 13/Wash Rack 9 due to the proximity of the two AOIs.

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, one subsurface soil sample was collected, and one groundwater monitoring well was installed and sampled. All samples were analyzed for VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals. Soil does not pose a risk at this AOI. The concentrations of PAHs (dibenz(a,h)anthracene and benzo(a)pyrene) and cobalt in groundwater cause excess risk at this AOI.

Current Use: Parking lot

Current Status: The Final PA/SI Report has been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.57 FGGM-96 (OU-46) – FORMER MOTOR POOL 18/WASH RACK 12

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study 1996
PA/SI 2010–2015
SSI 2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid G2, in the northern portion of the installation, south of Ernie Pyle Street, at Fryar Loop.

Site Description: MP-18/WR-12 was identified as an AOI because it was listed as an MP on the circa 1952 land use map (Anon. 1952). The AOI is also identified in the EPA (1996) historical aerial photograph study of the installation, which shows a vehicle service and storage area at this location on the 1943, 1947, 1957, 1963, and 1970 aerial photographs.

Stressed vegetation is noted in the 1952 aerial photograph. Also, a runoff pattern was noted in the 1957 aerial photograph. The runoff pattern and stressed vegetation in the area were not present in subsequent historical aerial photographs.

Previous Studies: There were no previous samples collected at this AOI. As part of the PA/SI, four subsurface soil samples were collected, and four groundwater monitoring wells were installed and sampled. All samples were analyzed for VOCs, SVOCs, TPH-DRO, TPH-GRO, and metals. Soil does not pose a risk at this AOI. The concentrations of PAHs (benzo(a)pyrene and dibenz(a,h)anthracene), cobalt, and manganese in groundwater cause excess risk at this AOI.

Current Use: Residential, recreation, and parking areas

Current Status: The Final PA/SI Report has been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.58 FGGM-96 (OU-46) – Army Reserve Motor Pool, Vehicle Maintenance, Motor Repair Shop, Oil/Water Separator, and Wash Rack, Motor Pool 15/Wash Rack 10, Building 1007

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
SWMU Study	1996
Sampling Visits	1999
Draft Delineation Reports	2000
PA/SI	2010–2015
SSI	2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-GRO, and TPH-DRO

Media of Concern: Soil and groundwater

Site Location: Grid H2, in the northeastern portion of the installation, northwest of the intersection of 20th Street and State Route 175/Annapolis Road.

Site Description: This AOI comprises former Building 1007 (SWMUs 14 and 15), an OWS (SWMU 16), a vehicle WR (SWMU 17), and a pump station (SWMU 18). Since its construction in 1941, Building 1007 has had a variety of uses, including equipment and vehicle storage, motor repair, and shipping of equipment. The shop used petroleum products, solvents, paints, and cleaning materials, and the U.S. Army Reserve stored military vehicles here.

The vehicle WR, OWS, and pump station were used to wash vehicles, collect the discharge water into the OWS, and then pump it into the sanitary sewer. The vehicle WR, OWS, and pump station were demolished and removed from service in 1999/2000. Building 1007 is also demolished.

Previous Studies: During previous sampling at this AOI, 1 surface soil sample (plus 1 duplicate surface soil sample), 17 subsurface soil samples (plus 1 duplicate subsurface soil sample), and 5 groundwater samples were collected and analyzed. Based on a risk analysis of the analytical results, arsenic, naphthalene, 1,2,4-trimethylbenzene, 1,1,2,2-tetrachloroethane, and chromium elevate the risk numbers above the site-specific action levels. Benzene and lead were detected above their MCLs.

As part of the PA/SI, two subsurface soil samples were collected and analyzed for VOCs and two groundwater monitoring wells were installed and sampled for VOCs, SVOCs, total metals, TPH-DRO, and TPH-GRO. The concentrations of arsenic and chromium in soil and chromium, arsenic, cobalt, and thallium in groundwater cause excess risk at this AOI.

Current Use: Trees, asphalt, and construction area for Annapolis Road expansion.

Current Status: The Final PA/SI and SSI Reports have been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.59 FGGM-96 (OU-46) – Vehicle Storage and Maintenance, Wash Rack, and Oil/Water Separator, Building 2120C

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visits	1999
SI	2001
Project Summary Report	2003
PA/SI	2010-2015
SSI	2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soils and groundwater

Site Location: Grid H2, in the northeastern portion of the installation, in the southeast quadrant of the intersection of 21½ Street and Annapolis Road.

Site Description: Building 2120c Vehicle Storage and Maintenance was identified as Equipment Concentration Station 86 in the SWMU study (BCM 1996). Building 2120c was identified as SWMU 25 because it had been used to maintain and repair motor vehicles (BCM 1996). Hazardous chemicals and petroleum products used and stored in the building included motor and lubricating oil, sulfuric acid, antifreeze, used oil, degreasers, and batteries.

The OWS south of Building 2120c (SWMU 26), and the truck wash pit (SWMU 27) and associated OWS (SWMU 28) south of SWMU 26, were identified as SWMUs because of systematic discharge of wash water into the OWS from the building and truck wash pit (BCM 1996).

The SSI report combined this AOI with Building 2128 due to the proximity of the two AOIs.

Previous Studies: Over the course of previous investigations at this AOI, 2 surface soil samples (plus 1 duplicate surface soil sample), 22 subsurface soil samples (plus 2 duplicates), and 5 groundwater samples (plus 2 duplicates) were collected and submitted for chemical analysis. Based on a risk analysis of the analytical results, arsenic, cadmium, mercury, naphthalene, copper, beryllium, and chromium elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, three groundwater monitoring wells were installed and sampled VOCs, SVOCs, TPH-DRO, TPH-GRO, and total metals. Soil does not pose a risk at this AOI. The concentrations of arsenic, 1,2,4-, trimethylbenzene, chromium, cobalt, and manganese in groundwater cause excess risk at this AOI.

Current Use: Administrative and vehicle storage

Current Status: The Final PA/SI Report has been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.60 FGGM-96 (OU-46) – VEHICLE MAINTENANCE, MOTOR POOL 16/WASH RACK 11, FORMER BUILDING 2128

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
SWMU Study	1996
Sampling Visits	1999
Initial Delineation	2000
Data Gap Investigation	2003
PA/SI	2010–2015
SSI	2016–2020

Contaminants of Potential Concern: VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soil and groundwater

Site Location: Grid H2, in the northeastern portion of the installation, approximately 600-feet east of the intersection of Annapolis Road and 21½ Street.

Site Description: Building 2128 (SWMUs 35 and 36) was a former heavy equipment and generator maintenance shop constructed in 1941. It was used for maintenance of vehicles, generators, and forklifts. A parts cleaner, serviced by Safety Kleen, was used in the building. Waste generated by routine oil changes and vehicle maintenance was taken to Building 2120c, located approximately 300 feet to the west, pending proper disposal.

A circa 1952 land use map (Anon 1952) shows former MP-16 located at this AOI and former WR-11 immediately south of this AOI.

The SSI report combined this AOI with Building 2120 due to the proximity of the two AOIs.

Previous Studies: During previous investigations at Building 2128, 4 surface soil samples (plus 1 duplicate), 22 subsurface soil samples (plus 2 duplicates), and 6 groundwater samples (plus 2 duplicates) were collected. Based on a risk analysis of the analytical results, arsenic, lead, mercury, copper, benzo(a)pyrene, and chromium elevate the risk numbers above the site-specific action levels. As part of the 2013 PA/SI, six surface soil samples were collected and analyzed for VOCs and SVOCs; six subsurface soil samples were collected and analyzed for VOCs, SVOCs, and metals; six groundwater monitoring wells were installed and sampled for VOCs, SVOCs, metals, TPH-DRO, and TPH-GRO. Soil does not pose a risk at this AOI. The concentrations of PAHs (dibenz(a,h))-anthracene, benzo(a)pyrene, benzo(a)- anthracene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene), chromium, cobalt, manganese, and thallium in groundwater cause excess risk at this AOI.

Current Use: Parking lot

Current Status: The Final PA/SI and SSI Reports have been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.61 FGGM-96 (OU-46) – BOILER PLANT, BUILDING 2482

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visit	2000
SI	2001
Data Gap Investigation	2002
PA/SI	2010–2015
SSI	2016–2020

Contaminants of Potential Concern: SVOCs, metals, PCBs, and dioxin

Media of Concern: Soil and groundwater

Site Location: Grid H4, in the southeastern portion of the installation, south of KACC (previously referred to as Kimbrough Army Community Hospital) on 5th Street, approximately 500 feet west of the intersection with Ernie Pyle Street.

Site Description: Building 2482 (SWMU 072) was formerly used as a boiler plant to provide steam to Kimbrough Army Community Hospital. The plant contained three oil-fired boilers. A 400-gallon AST in the parking lot on the north side of the building stored used oil collected throughout the installation for recycling. Chemicals for boiler water treatment, including neutralizing solutions, phenolphthalein, hardness solution, iodine, sodium sulfate, phosphates, and caustic soda, were stored in the boiler room. Two 20,000-gallon fuel oil steel USTs were removed from the south side of the building in January 2001. An 8,000-gallon fiberglass-reinforced plastic fuel oil UST was abandoned in place on the northeastern corner of the building.

The SSI report combined this AOI with Building 2480 and MP 10 due to the proximity of the two AOIs.

Previous Studies: Over the course of previous investigations at this site, 10 surface soil samples, 14 subsurface soil samples, and 13 groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic, benzo(a)pyrene, benzo(a)anthracene, iron, naphthalene, cobalt, aluminum, and manganese elevate the risk numbers above the site-specific action levels.

As part of the PA/SI, four surface soil samples were collected and analyzed for PCBs and dioxins; one subsurface soil sample was collected and analyzed for SVOCs; and one groundwater monitoring well

was installed and sampled for metals and SVOCs.

The concentrations of benzo(a)pyrene and thallium in soil and chromium, arsenic, benzo(a)pyrene, naphthalene, and dibenzo(a,h)anthracene, cobalt, arsenic, naphthalene, iron, manganese, chromium, 2-methylnaphthalene, thallium, and vanadium in groundwater cause excess risk at this AOI.

Current Use: Administrative

Current Status: The Final PA/SI and SSI Reports have been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.62 FGGM-96 (OU-46) – FORMER HOSPITAL, BUILDING 4411

Regulatory Driver: CERCLA

Environmental Investigations:

SWMU Study	1996
Sampling Visit	1999
Data Gap Investigation	2002
PA/SI	2010–2015
SSI	2016–2020

Contaminants of Potential Concern: SVOCs, metals, TPH-DRO, and TPH-GRO

Media of Concern: Soils and groundwater

Site Location: Grid G4, in the southeastern portion of the installation, approximately 100 feet southwest of the intersection of McKay Street and Llewellyn Avenue.

Site Description: Building 4411 (SWMU 099) was formerly used as a hospital from 1926 to 1974. A 1,000-gallon heating oil UST is located beneath the porch on the southern side of the building. Exactly how waste from the hospital was managed is unknown.

Previous Studies: Over the course of previous investigations at this AOI, 16 direct-push borings were advanced around Building 4411; 5 surface soil, 13 subsurface soil, and 10 groundwater samples were collected and submitted for laboratory analysis. Based on a risk analysis of the analytical results, arsenic, mercury, and chromium elevate the risk numbers above the site-specific action levels.

During the PA/SI, four groundwater monitoring wells were installed and sampled for SVOCs, TPH-DRO, TPH-GRO, and total metals. Soil does not pose a risk at this AOI. The concentrations of chromium, arsenic, cobalt, and thallium in groundwater cause excess risk at this AOI.

Current Use: Administrative

Current Status: The Final PA/SI and SSI Reports have been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.5.15.63 FGGM-96 (OU-46) – FORMER INCINERATOR BUILDING – 1943; 21½ STREET

Regulatory Driver: CERCLA

Environmental Investigations:

Historical Aerial Photograph Study	1996
EBS	1998
CSA	1999
PA/SI	2010–2015
SSI	2016–2020

Contaminants of Potential Concern: metals and dioxins

Media of Concern: Soil and groundwater

Site Location: Grids H1 and H2, in the northeastern portion of the installation, 1,000 feet east of the intersection of 21½ Street and State Route 175 (Annapolis Road).

Site Description: Former Incinerator Building – 1943 was identified as an AOI in a 1998 EBS. The incinerator was present from 1947 to 1975 (Versar 1999b). The EPA (1996) study of the installation did not identify this incinerator, stained soils, or stressed vegetation in this area in any of the historical aerial photographs, although the outline of a building is visible in the 1943 through 1977 historical aerial photographs (EPA 1996).

Previous Studies: Over the course of previous investigations at this site, nine subsurface soil samples were collected. A review of historical aerial photographs suggests that the former incinerator may have been west of the location sampled in the CSA.

The PA/SI included collecting five surface and six subsurface soil samples that were analyzed for metals and dioxins. In addition, three groundwater monitoring wells were installed, and groundwater samples were collected and analyzed for metals. Soil does not pose a risk at this AOI. The concentrations of chromium, cobalt, and manganese in groundwater cause excess risk at this AOI.

Current Use: None/vacant

Current Status: The Final PA/SI and SSI Reports have been approved. The Final SSI recommended NFA for this site. An NFA Consensus Letter was received from the EPA on 18 March 2021 approving NFA for this AOI.

Cleanup/Exit Strategy: Not applicable; this AOI has been approved for NFA.

2.6 MILITARY MUNITIONS RESPONSE PROGRAM AREAS OF INTEREST DESIGNATED FOR NO FURTHER ACTION

2.6.1 FGGM-004-R-01 (OU-41) – GRENADE AND BAYONET RANGE A

Regulatory Driver: CERCLA

Environmental Investigations:

PA	2002–2003
Historical Records Review	2006
SI	2007

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid F5, in the southwestern portion of the installation, bounded to the west by Grant Road, to the north by Building 8478, to the east by Building 8452, and to the south by Dutt Road.

Site Description: This AOI comprises the former Grenade and Bayonet Range A, which is believed to have been used from 1924 until the late 1930s. It is assumed that hand grenades were used on site and could have included fragmentation and practice hand grenades. Most of the 16-acre range has been developed and is currently occupied with various buildings and associated parking lots. The buildings currently located on the MRS were constructed by 1954. They include Buildings 8474, 8452, 8451, 8465, and 8479. Parking lots and driveways surround these buildings.

Previous Studies: Over the course of previous investigations at this site, five soil samples were collected as part of the SI and submitted for laboratory analysis. None of the five soil samples had metal detections above the regulatory limits, and no explosives were detected. There is no physical evidence of MEC or MD on the MRS.

Current Use: Administrative and recreational

Current Status: No further MMRP action was required based on the findings of the 2007 SI. EPA approved NFA on 13 June 2007.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.6.2 FGGM-008-R-01 (OU-44) – GRENADE AND BAYONET RANGE B

Regulatory Driver: CERCLA

Environmental Investigations:

PA	2002–2003
Historical Records Review	2006
SI	2007

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H3, in the northeastern portion of the installation.

Site Description: This AOI consists of the former Grenade and Bayonet Range B, which is believed to have been used in 1943. It is assumed that hand grenades were used on site and could have included fragmentation and practice hand grenades.

No MEC or MD was observed over this 19-acre parcel during a magnetometer-assisted site walk, and no further MMRP action was recommended in the SI (Malcolm Pirnie 2007).

Previous Studies: Over the course of previous investigations at this site, five soil samples were collected as part of the SI and submitted for metals and explosives laboratory analysis.

Except for arsenic, no metals were detected above the regulatory limits, and no explosives were detected. There is no physical evidence of MEC or MD on the MRS.

Current Use: Vacant land

Current Status: No further MMRP action was required based on the findings of the 2007 SI. EPA approved NFA on 13 June 2007.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.6.3 FGGM-005-R-01 (OU-42) – PISTOL RANGE A

Regulatory Driver: CERCLA

Environmental Investigations:

PA	2002–2003
Historical Records Review	2006
SI	2007

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid H3, on the east side of FGGM. The 4-acre site is located south of Reece Road and directly west of Route 175. Chisholm Avenue runs north/south through the former range.

Site Description: This AOI used to have several structures on site, including buildings 2821–2826 and 899. The range was identified on a 1924 War Game Map issued by the War Department for Camp Meade. Based on the operation dates of other ranges found on the War Game Map, it is assumed that the pistol range was used from 1924 until the early 1940s. It is also assumed that only small arms were used on site, but there is no specific information regarding this.

Information on the frequency of use and types of munitions used was unavailable, but .45-cal ammunition is assumed to have been used because it was the most common pistol ammunition in the 1920s. There is no information on any MEC responses conducted on site.

Previous Studies: Over the course of previous investigations at this site, five composite surface soil samples were collected as part of the SI and submitted for lead analysis. Lead was detected in soil samples taken at this site at levels below regulatory limits (Malcolm Pirnie 2007).

Current Use: All structures have been demolished. The undeveloped area is flat with grass vegetation with a few scattered trees and shrubs.

Current Status: No further MMRP action was required based on the findings of the 2007 SI. EPA approved NFA on 13 June 2007.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.6.4 FGGM-006-R-01 (OU-43) – PISTOL RANGE B

Regulatory Driver: CERCLA

Environmental Investigations:

PA	2002–2003
Historical Records Review	2006
SI	2007

Contaminants of Potential Concern: None identified

Media of Concern: None identified

Site Location: Grid E4, in the southwestern portion of the installation, bounded to the west by Brown Road and Building 9705, to the north by Building 9841 and parking lots, to the east by undeveloped property, and to the south by parking lots and undeveloped property. O'Brien Road runs through the middle of the site.

Site Description: The range was identified on a 1924 War Game Map issued by the War Department for Camp Meade. Based on the operation dates of other ranges found on the War Game Map, it is assumed that the pistol range was used from 1924 until the early 1940s. It is also assumed that only small arms were used on site, but there is no specific information regarding this. Information on the frequency of use and types of munitions used was unavailable, but .45-cal ammunition is assumed to have been used because it was the most common pistol ammunition in the 1920s. There is no information on any MEC responses conducted on site.

East of O'Brien Road, the AOI is undeveloped with a walking/jogging trail traversing the site. West of O'Brien Road, the range is within what is now NSA property and is mostly developed with buildings and parking areas. The undeveloped area is forested with heavy shrub growth in some areas.

Previous Studies: Over the course of previous investigations at this site, five composite surface soil samples were collected as part of the SI and submitted for lead analysis. Lead was detected in soil samples taken at this site at levels below regulatory limits (Malcolm Pirnie 2007).

Current Use: This AOI is within NSA property and is mostly developed with buildings and parking areas.

Current Status: No further MMRP action is required based on the findings of the 2007 SI. EPA approved NFA on 13 June 2007.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA

2.7 BASE REALIGNMENT AND CLOSURE AREAS OF INTEREST DESIGNATED FOR NO FURTHER ACTION

2.7.1 FGGM-21 (OU-16) – MEDICAL WASTE SITE

Regulatory Driver: CERCLA

Environmental Investigations:

SI	1994
Removal Action Report	1999
PA	2012

Contaminants of Potential Concern: Arsenic

Media of Concern: Soil

Site Location: Grid A7, at the Walter Reed Medical Center farm in the BRAC parcel off Switch Board Road, adjoining and east of the Baltimore-Washington Parkway, approximately two miles southwest of State Route 198. The Medical Waste site is approximately 1 acre.

Site Description: The former farm property was transferred from FGGM to the USDOI under the BRAC program in 1991 and is currently part of the PRR-NT. Prior to the transfer, the property was operated as an animal farm from about 1967 to 1987. A medical/farming waste area was located near the southwest corner of the former farm, about 750 feet southwest of a retention pond and adjacent to a marshy area extending south to the Patuxent River. The facility was never a secure facility and was not a site where biological agents would have been used in research (FGGM 1999). Based on the history of the AOI, biological agents would not have been used in research at this location, and likewise, would not be disposed of in the Medical Waste site. A scan of both the general work area and specific medical waste debris with a Radiation Survey Meter reported no elevated radiological readings.

Previous Studies: Over the course of previous investigations at this AOI, 12 surface soil samples were collected and submitted for laboratory analysis.

Current Use: Inactive

Current Status: On 23 February 2012, EPA concurred that analytical results indicate that no CERCLA release has occurred at this AOI. This AOI is closed with respect to CERCLA. Any risk associated with munitions will be addressed under the MMRP and the LUCRD for the HEI Area (FGGM-002-R-01).

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.7.2 FGGM-72 (OU-27) – PETROLEUM, OIL, AND LUBRICANTS STORAGE TANKS

Regulatory Driver: CERCLA

Environmental Investigations:

Investigation, CAP, and Initial Site Characterization	1989
Soil Gas Survey	1992
PA	2012
LUCRD	June 2015

Contaminants of Potential Concern: Heating oil

Media of Concern: Soil and groundwater

Site Location: Grid F5, in the northern portion of the TAP.

Site Description: FGGM-72 consists of Building/Hangar 80 and Building/Hangar 85, which are both located along Airfield Service Road. A steel 4,000-gallon heating oil tank is located at Building 80, and a steel 5,000-gallon heating oil tank is located at Building 85 (Argonne 1989). The 4,000-gallon UST at Building 80 was installed in June 1988. This tank replaced a steel-constructed 4,000-gallon UST that failed a leak test in May 1988 and was removed by order of MDE. Contaminated soils excavated during the tank removal were disposed of at the sanitary landfill. The MDE case was closed on 21 June 1988 (EA 1992a). The present UST is on the north side of Building 80 and is surrounded by three MWs.

The 5,000-gallon UST at Building 85 was installed in November 1975 (EA 1992a). The tank passed a leak test in May 1988.

These USTs stored heating oil for use in the adjacent buildings 80 and 85, respectively. This was confirmed in the 1991 transfer assembly document and the 1998 de-registration report.

Previous Studies: Over the course of previous investigations at this site, 26 soil vapor samples were obtained.

Current Use: The Army has transferred this property, and MDE records indicate the USTs were closed in 1998.

Current Status: EPA approved NFA for this AOI on 23 February 2012. Any risk associated with munitions will be addressed under the MMRP and the TAP LUCRD (FGGM-85) that was submitted in June 2015 to better implement, maintain, and enforce the MEC LUCs and incorporate them into the CERCLA process.

Cleanup/Exit Strategy: Not applicable. The Army plans to administratively close AEDB-R number FGGM-72 because EPA has approved NFA and MEC is addressed under FGGM-85.

2.7.3 FGGM-73 (OU-28) – MAINTENANCE SHOPS, BUILDINGS 85 AND 90

Regulatory Driver: CERCLA

Environmental Investigations:

PA 1990
SI 1992
PA 2011
LUCRD ..... June 2015

Contaminants of Potential Concern: Not determined

Media of Concern: Not determined

Site Location: Grid E5, in the north-central portion of the TAP.

Site Description: This AOI is for the USTs at Buildings 85 and 90. The 5,000-gallon UST at Building 85 was installed in November 1975. The tank passed a leak test in May 1988.

Building 90 was constructed in the early 1980s and used for the maintenance and storage of helicopters. In addition to fuels such as aviation and diesel fuel, hydraulic and lubricating oils, detergents, and solvents were also used, handled, or stored. Hangar 90 was cleared and taken out of service when it was decommissioned in early 1996.

Maintenance Shop Building 85 is also part of FGGM-72 – POL Storage Tanks because Building 85 includes USTs. Maintenance Shop Building 90 is also part of FGGM-80 – Helicopter Hangar 90 because Building 90 is the Helicopter Hangar building.

Previous Studies: Over the course of previous investigations at these AOI, 12 soil vapor samples were obtained around the UST at Building 85. Low-level hydrocarbon contamination (e.g., maximum encountered toluene concentration was 1.6 parts per million) was detected at 4 of the 12 vapor sampling locations (EA 1992b).

Current Use: Part of TAP

Current Status: The PA includes a letter saying the Army will administratively close AEDB-R number "FGGM-73." Any risk associated with munitions will be addressed under the MMRP and the TAP LUCRD (FGGM-85) that was submitted in June 2015 to better implement, maintain, and enforce the MEC LUCs and incorporate them into the CERCLA process.

Cleanup/Exit Strategy: FGGM-73 will be administratively closed because this AOI is addressed under FGGM-72, FGGM-80, and FGGM-85.

2.7.4 FGGM-80 (OU-32) – HELICOPTER HANGAR 90 (PART OF TIPTON army AIRFIELD)

Regulatory Driver: CERCLA

Environmental Investigations:

PA	1989
SI	1992
RI	1998
Removal Action Report	1999
LTMP	2001, 2012
LTM	2004–2014
ESD	2014
LUCRD	June 2015
5-Year Review	2017

Contaminants of Potential Concern: Metals, fuels, and oils.

Media of Concern: Soil and groundwater

Site Location: Grid E5, in the northwest corner of the TAP, and includes Building 90 (the Helicopter Hangar) and adjacent areas.

Site Description: HHA Building 90, and associated structures were constructed in the early 1980s. Hangar 90 was used to store and maintain helicopters. Typical activities included washing, disassembly, repair, and painting of aircraft. Aviation and diesel fuel, hydraulic and lubricating oils, detergents, and solvents were used, handled, or stored here. Hangar 90 was cleared and taken out of service when it was decomissioned in early 1996.

Previous Studies: Previous studies and reports that included the BRAC parcels were an Enhanced PA (1989), a study by the Maryland Department of Natural Resources, a Draft SI Addendum (which included an EIS and a Wetland Identification Study) (1991), an SI (1992), an RI (1998), an OE Removal Action (1997), and a Removal Action Report (1999).

Current Use: Part of TAP

Current Status: Conducting 5-Year Reviews to evaluate the frequency and need for continued LTGM; the last one was conducted in 2011. This ensures the remedy continues to provide adequate protection of human health and the environment. Any risk associated with munitions will be addressed under the MMRP and the TAP LUCRD (FGGM-85) that was submitted in June 2015 to better implement, maintain, and enforce the MEC LUCs and incorporate them into the CERCLA process.

Cleanup/Exit Strategy: FGGM-80 will be administratively closed because 1) the ROD presents the final remedy for soils as NFA, 2) groundwater is currently being monitored under FGGM-10 and FGGM-31 for all of TAP, and 3) MEC is addressed under FGGM-85.

2.7.5 FGGM-82 (OU-34) – UNEXPLODED ORDNANCE REMOVAL

Regulatory Driver: CERCLA

Environmental Investigations:

Enhanced PA	1989
PA	1990
Ordnance Survey and Removals	1992, 1993
RA(C)	1997
Engineering Evaluation	2001
NTCRA Memorandum	2001
LTM	2001
NTCRAs	2003–2004
OE RA	2006
5-Year Review Report	2008

Contaminants of Potential Concern: MEC

Media of Concern: Soil

Site Location: Grids A5 through F10, FGGM-82 covers the entire PRR-NT.

Site Description: FGGM-82 is the IRP designation for UXO removal in the PRR-NT. FGGM-002-R-01 is the MMRP designation for MEC work at the PRR-NT.

Previous Studies: Several sweeps of the PRR-NT occurred in the past, and in 2001, an Action Memo recommended LUCs with surface and subsurface clearance to depth in selected areas. An NTCRA was completed for 24 areas within the PRR-NT identified by the USFWS as high traffic areas. LUCs include educating workers and recreational users on potential residual OE hazards that may be associated with the property and proper notification procedures if any OE is encountered.

Current Use: PRR-NT

Current Status: The PA includes a letter saying the Army will administratively close AEDB-R number "FGGM-82.

Cleanup/Exit Strategy: Funding for work on the PRR-NT was moved from the IRP to the MMRP, and FGGM-82 is recommended for administrative closure. Future work will fall under the designation HEI Area FGGM-002-R-01. Continuing site work (including MEC issues and LUCs) will still be addressed under FGGM-002-R-01 after FGGM-82 is administratively closed.

FGGM 82 (OU-34) -- Unexploded Ordnance Removal

0 2,500 5,000 10,000

Feet

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2.8 UNASSIGNED – AOI DESIGNATED FOR NRA

2.8.1 GRANT STREET AT BUILDING 8484 – SPILL NOTIFICATION

Regulatory Driver: CERCLA

Environmental Investigations:

Reportable Spill Notification 2009

Spill Notification Response 2010

Contaminants of Potential Concern: Not determined

Media of Concern: Soil

Site Location: Grid F5, in the southwestern portion of the installation along Grant Street at Building 8484.

Site Description: A small metal box containing unlabeled paint containers was found in a duct bank trench being excavated along Grant Street at Building 8484. ED personnel observed solidified paints, as well as a minor amount of liquid coming from the paint storage box.

Previous Studies: During previous investigations at this site, a maximum PID reading of 224 units was observed, and a grab sample was collected from the bottom of the trench.

Current Use: Roadway shoulder

Current Status: On 7 June 2010, EPA concurred that analytical results indicate that no CERCLA release has occurred at the subject site. This site is closed with respect to CERCLA.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

Grant Street at Building 8484
(Spill Notification, September 2009)

0 25 50 100
Feet

2.8.2 20TH STREET AT ROUTE 175 NEAR BUILDING 1978 – SPILL NOTIFICATION

Regulatory Driver: CERCLA

Environmental Investigations:

Reportable Spill Notification.....2009

Spill Notification Response.....2010

Contaminants of Potential Concern: Not determined

Media of Concern: Soil

Site Location: Grid H2, in the northeastern portion of the installation along Route 175 and 20th Street near Building 1978.

Site Description: Discolored soil was discovered in a duct bank trench excavated along Route 175 and 20th Street, beginning approximately two feet below ground surface, and extending below the depth of the trench.

Previous Studies: Over the course of previous investigations at this site, the maximum PID level was 130 units, and a grab sample was collected from the bottom of the trench for analysis.

Current Use: Grass field

Current Status: On 7 June 2010, EPA concurred that analytical results indicate that no CERCLA release has occurred at the subject site. This site is closed with respect to CERCLA.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

2.8.3 1ST STREET IN FRONT OF BUILDING 195 – SPILL NOTIFICATION

Regulatory Driver: CERCLA

Environmental Investigations:

Reportable Spill Notification 2009

Spill Notification Response 2010

Contaminants of Potential Concern: Not determined

Media of Concern: Soil

Site Location: Grid H5, in the southeastern portion of the installation on 1st Street in front of Building 195.

Site Description: Discolored soil in a two-foot-deep duct bank trench being excavated along 1st Street between Chisholm Avenue and Saxton Road was discovered beginning approximately 6 inches below ground surface and extending approximately 10 inches below ground surface on both sides of the trench. The discoloration appeared to be associated with existing asphalt paving and sub-base materials.

Previous Studies: Over the course of previous investigations at this site, one grab sample was collected from the bottom of the trench for analysis.

Current Use: Roadway shoulder

Current Status: On 7 June 2010, EPA concurred that analytical results indicate that no CERCLA release has occurred at the subject site. This site is closed with respect to CERCLA.

Cleanup/Exit Strategy: Not applicable, and this AOI has been approved for NFA.

1st Street at Building 195 Release Site (September 2009)

2.8.4 6-ACRE LITTLE PATUXENT RIVER SITE

Regulatory Driver: CERCLA

Environmental Investigations:
Environmental Condition of Property Final.....2011

Contaminants of Potential Concern: None

Media of Concern: None

Site Location: Grids G8 and H8, adjacent to the southeast corner of the PRR-NT, separated by railroad tracks.

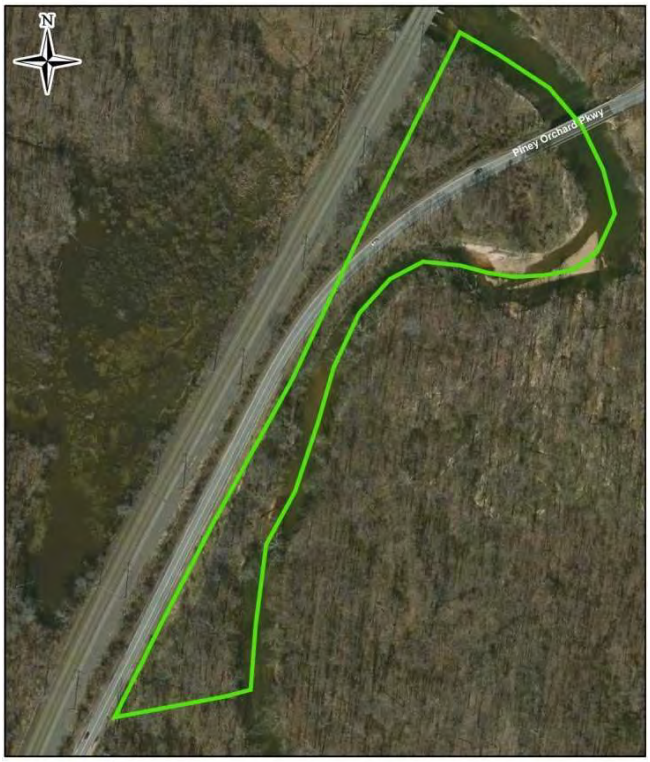
Site Description: This AOI is undeveloped land. The Patuxent Road traverses the site. There is no indication that the site has ever been used as an operational range and, considering its location, it probably has not.

Previous Studies: There has been no sampling by previous studies.

Current Use: Inactive.

Current Status: A Final Environmental Condition of Property was completed in FY11 and approved by regulatory agencies. A Record of Environmental Consideration, Finding of Suitability for Transfer, and Disposal Report was completed in FY14. The Army submitted a quitclaim deed that transferred the property to Anne Arundel County in 2015 under a conservation conveyance.

Cleanup/Exit Strategy: This property was transferred to Anne Arundel County in 2015.



6-acre Little Patuxent River Site

0 100 200 400 Feet

3 SITE MANAGEMENT SCHEDULES

This section describes the proposed future work and schedules for the FGGM AOI that require further action. Schedules depicting the major project activities for each AOI are provided. These schedules are tentative, based on funding allocation, completion of removal actions, and government comments received for the reports.

3.1 SITE MANAGEMENT PLAN SCHEDULE DEVELOPMENT

The SMP schedules were developed as generic guidelines for duration of tasks. The durations are generic because the level of effort for an AOI is unknown until it is further investigated. Where site-specific schedules were available, the durations are not generic. As discussed in Section 2, some FGGM AOI are ongoing.

3.2 DETAILED SITE MANAGEMENT PLAN SCHEDULES

Table 3-1 lists project schedules for open AOIs at FGGM. Table **3-2** is a summary of the PA/SI AOIs grouped by geographic areas to assist the reader in determining the correct schedule for a specific PA/SI AOI.

Whenever "EPA reviews" appears in the project schedules, it means review by EPA and appropriate signatories of the FGGM FFA. What constitutes "appropriate" is determined by ownership and/or proximity to the AOI. For example, the USAOC will review all documents pertaining to the USAOC Campus and determine if there are known or suspected impacts to the USAOC Campus relating to the cleanup of a site (e.g., OU-4 or OU-5). These AOI reviews will also be performed concurrent with EPA's review. Neither AOI is owned by USAOC, but both AOIs have contaminated groundwater that has been observed on the USAOC Campus. The CSL, OU-12, is very close to the Campus; however, the AOI is hydraulically down- and cross-gradient from the USAOC Campus. With no data to suggest the CSL can affect the USAOC Campus, the Army would not provide documents about the CSL to USAOC unless specifically requested by USAOC.

Table 3-1 includes the schedules available for open AOIs at FGGM from December 2020 to September 2026. The table was assembled from available Microsoft Project schedules provided by the contractors performing environmental work at FGGM and is broken down by projects.

Table 3-1: Project Schedules for Open Sites at Fort Meade

Table 3-1 Project Schedules for Open Sites at Fort Meade

Project Schedule & Milestones Fort Meade Multi-Site CERCLA Phases Fort George G. Meade (FGGM), Maryland

ID	CLIN	Task	Task Name	Duration	Start	Finish	Predecessors
1			Notice to Proceed	0 days	Wed 9/28/22	Wed 9/28/22	
2			Period of Performance (09/30/27)	0 days	Mon 12/18/28	Mon 12/18/28	1,57,117,148,155FF
3	**0001**	**Task 1**	**CLIN0001/Task 1 - Project Management Plan (PMP), Uniform Federal Policy - Quality Assurance Project Plan (UFP-QAPP), Accident Prevention Plan (APP)/Site Safety and Health Plan (SSHP) and TPP Meeting Minutes**	**568 days**	**Wed 9/28/22**	**Wed 4/17/24**	
4	**0001**	**Task 1**	**Kick-off Meeting**	**15 days**	**Thu 10/20/22**	**Thu 11/3/22**	
10	**0001**	**Task 1**	**Project Management Plan (PMP)**	**69 days**	**Wed 9/28/22**	**Mon 12/5/22**	
16	**0001**	**Task 1**	**Uniform Federal Policy (UFP) - Quality Assurance Project Plan (QAPP)**	**568 days**	**Wed 9/28/22**	**Wed 4/17/24**	
33	**0001**	**Task 1**	**Project Management Plan Updates**	**1169 days**	**Thu 9/28/23**	**Wed 12/9/26**	
58	**0001**	**Task 1**	**Monthly Progress Reports**	**1766 days**	**Mon 11/7/22**	**Tue 9/7/27**	
118	**0001**	**Task 1**	**Restoration Advisory Board Meeting**	**1772 days**	**Mon 11/14/22**	**Mon 9/20/27**	
149	**0001**	**Task 1**	**Contractor Manpower Reporting FY15 thru FY20**	**1461 days**	**Thu 9/28/23**	**Mon 9/27/27**	
156	0001	Task 1	Complete iWatch Training within 30 days	31 days	Wed 9/28/22	Fri 10/28/22	1
157	0001	Task 1	Report results of iWatch Training 5 days after training	5 days	Sat 10/29/22	Wed 11/2/22	156
158	**0001**	**Task 1**	**OPSEC and Anti-Terrorism (AT) Level 1 Training**	**1496 days**	**Wed 9/28/22**	**Sun 11/1/26**	
171			**FGGM 96 - B2227, B2224, STSO, B2501, Chis&6th, and MP7/WR6**	**1172 days**	**Fri 9/30/22**	**Sun 12/14/25**	
172	**0002**	**Task 2**	**CLIN 0002: Task 2 - Achieve Final RI for B2227, B2224, STSO, B2501, Chis&6th, and MP7/WR6**	**1172 days**	**Fri 9/30/22**	**Sun 12/14/25**	
173	**0002**	**Task 2**	**FGGM-96 RI Field Work**	**593 days**	**Wed 5/1/24**	**Sun 12/14/25**	
174	0002	Task 2	Base Coordination / USEPA Notification (per FFA)	27 days	Wed 5/1/24	Mon 5/27/24	
175	0002	Task 2	Collect grab groundwater samples	101 days	Tue 5/28/24	Thu 9/5/24	174
176	0002	Task 2	Milestone: Complete collection of grab groundwater samples	0 days	Fri 9/6/24	Fri 9/6/24	175
177	0002	Task 2	Laboratory Aanalysis	45 days	Fri 9/6/24	Sun 10/20/24	176
178	0002	Task 2	Evaluate groundwater conditions and make suggestion for installation of permanent wells	420 days	Mon 10/21/24	Sun 12/14/25	177
179	0002	Task 2	**Technical Memo - Temporary Well Sampling**	**150 days**	**Tue 11/12/24**	**Thu 4/10/25**	**178**
180	0002	Task 2	Prepare Internal Draft Tech Memo - Temp Well Sampling	8 days	Tue 11/12/24	Tue 11/19/24	178
181	0002	Task 2	Army Review of Internal Draft Tech Memo - Temp Well Sampling	66 days	Wed 11/20/24	Fri 1/24/25	180
182	0002	Task 2	Prepare Response to Army Comments and Draft Tech Memo - Temp Well Sampling	13 days	Sat 1/25/25	Thu 2/6/25	181
183	0002	Task 2	Army Review of Response to Comments and Draft Tech Memo - Temp Well Sampling	110 days	Fri 2/7/25	Tue 5/27/25	182
184	0002	Task 2	Army Approval of Draft Tech Memo - Temp Well Sampling	21 days	Wed 5/28/25	Tue 6/17/25	183
185	0002	Task 2	Submit Draft Tech Memo - Temp Well Sampling to Regulators	7 days	Wed 6/18/25	Tue 6/24/25	184
186	0002	Task 2	Technical Project Planning (TPP) Meeting	1 day	Wed 6/25/25	Wed 6/25/25	185
187	0002	Task 2	Regulatory Review of Draft Tech Memo - Temp Well Sampling	60 days	Thu 6/26/25	Sun 8/24/25	186
188	0002	Task 2	Prepare Response to Regulatory Comments and Draft Final Tech Memo - Temp Well Sampling	0 days	Sun 8/24/25	Sun 8/24/25	187
189	0002	Task 2	Regulatory Review of Responses to Comments	14 days	Mon 8/25/25	Sun 9/7/25	188
190	0002	Task 2	Submit Draft Final Tech Memo - Temp Well Sampling	0 days	Sun 9/7/25	Sun 9/7/25	189
191	0002	Task 2	Regulatory Review of Draft Final Tech Memo - Temp Well Sampling	30 days	Mon 9/8/25	Tue 10/7/25	190
192	0002	Task 2	Prepare Responses to Comments and Final Tech Memo - Temp Well Sampling	5 days	Wed 10/8/25	Sun 10/12/25	191
193	0002	Task 2	Regulatory Review of Response to Comments	5 days	Mon 10/13/25	Fri 10/17/25	192
194	0002	Task 2	Submit Final Tech Memo - Temp Well Sampling	0 days	Fri 10/17/25	Fri 10/17/25	193
195	0002	Task 2	Regulatory Approval of Final Tech Memo - Temp Well Sampling	0 days	Fri 10/17/25	Fri 10/17/25	194
196	0002	Task 2	**Further Delinerate Plumes/Install wells**	**208 days**	**Fri 9/30/22**	**Tue 4/25/23**	
197	0002	Task 2	Install permanent wells	20 days	Fri 9/30/22	Wed 10/19/22	
198	0002	Task 2	Milestone: Complete installation of permanent wells	0 days	Wed 10/19/22	Wed 10/19/22	197
199	0002	Task 2	Collect groundwater samples from new and existing wells - Round 1	21 days	Thu 10/20/22	Wed 11/9/22	198
200	0002	Task 2	Milestone: Complete sampling of monitoring wells	0 days	Wed 11/9/22	Wed 11/9/22	199
201	0002	Task 2	Laboratory Aanalysis	28 days	Thu 11/10/22	Wed 12/7/22	200
202	0002	Task 2	Collect groundwater samples from new and existing wells - Round 2	21 days	Wed 3/8/23	Tue 3/28/23	201FS+90 days
203	0002	Task 2	Milestone: Complete sampling of monitoring wells	0 days	Tue 3/28/23	Tue 3/28/23	202
204	0002	Task 2	Laboratory Aanalysis	28 days	Wed 3/29/23	Tue 4/25/23	203
205	**0002**	**Task 2**	**FGGM-96 RI Report (includes Risk Assessments)**	**216 days**	**Wed 5/31/23**	**Mon 1/1/24**	
222	**0006**	**Task 4**	**CLIN 0006, Optional Task 4: FGGM-96 Feasibility Study (FS)**	**216 days**	**Tue 1/2/24**	**Sun 8/4/24**	
239			**Inactive Landfill number 4 (IAL4)**	**2237 days**	**Fri 11/4/22**	**Mon 12/18/28**	
240	**0003**	**Task 3.1**	**CLIN 0003, Task 3.1: IAL4 Record of Decision (ROD)**	**988 days**	**Fri 11/4/22**	**Fri 7/18/25**	
241	0003	Task 3.1	Prepare Internal Draft ROD Report	40 days	Fri 11/4/22	Tue 12/13/22	9
242	0003	Task 3.1	Army Review of Internal Draft ROD Report	52 days	Tue 12/13/22	Thu 2/2/23	241
243	0003	Task 3.1	Prepare Response to Army Comments and Draft ROD Report	2 days	Thu 2/2/23	Fri 2/3/23	242
244	0003	Task 3.1	Army Review of Response to Comments and Draft ROD Report	13 days	Fri 2/3/23	Wed 2/15/23	243
245	0003	Task 3.1	Army Approval of Draft ROD Report	1 day	Wed 2/15/23	Wed 2/15/23	244
246	0003	Task 3.1	Milestone: Submit Draft ROD Report	0 days	Wed 2/15/23	Wed 2/15/23	245
247	0003	Task 3.1	Technical Project Planning (TPP) Meeting	1 day	Wed 2/15/23	Wed 2/15/23	
248	0003	Task 3.1	Regulatory Review of Draft ROD Report	195 days	Wed 2/15/23	Mon 8/28/23	246
249	0003	Task 3.1	Prepare Response to Regulatory Comments and Draft Final ROD Report	20 days	Tue 8/29/23	Sun 9/17/23	248
250	0003	Task 3.1	Regulatory Review of Responses to Comments	60 days	Mon 9/18/23	Thu 11/16/23	249
251	0003	Task 3.1	Submit Draft Final ROD Report	10 days	Fri 11/17/23	Sun 11/26/23	250
252	0003	Task 3.1	Regulatory Review of Draft Final ROD Report	30 days	Mon 11/27/23	Tue 12/26/23	251
253	0003	Task 3.1	Prepare Responses to Comments and Final ROD Report	10 days	Wed 1/31/24	Fri 2/9/24	252
254	0003	Task 3.1	Regulatory Review of Response to Comments	480 days	Sat 2/10/24	Tue 6/3/25	253
255	0003	Task 3.1	Milestone: Submit Final ROD Report	0 days	Tue 6/3/25	Tue 6/3/25	254
256	0003	Task 3.1	Regulatory Approval of Final ROD Report	45 days	Wed 6/4/25	Fri 7/18/25	255
257	**0009**	**Optional Task 7**	**CLIN 0009, Optional Task 7: Remedial Design (RD)/Remedial Action (RA) for IAL4**	**428 days**	**Sat 7/19/25**	**Sat 9/19/26**	
258	**0009**	**Optional Task 7**	**UFP-QAPP Addenda**	**216 days**	**Fri 8/8/25**	**Wed 3/11/26**	
259	0009	Optional Task 7	Prepare Internal Draft UFP-QAPP Addendum	30 days	Fri 8/8/25	Sat 9/6/25	256FS+20 days
260	0009	Optional Task 7	Army Review of Internal Draft UFP-QAPP	30 days	Sun 9/7/25	Mon 10/6/25	259
261	0009	Optional Task 7	Prepare Response to Army Comments and Draft UFP-QAPP	14 days	Tue 10/7/25	Mon 10/20/25	260
262	0009	Optional Task 7	Army Review of Response to Comments and Draft UFP-QAPP	14 days	Tue 10/21/25	Mon 11/3/25	261
263	0009	Optional Task 7	Army Approval of Draft UFP-QAPP	7 days	Tue 11/4/25	Mon 11/10/25	262
264	0009	Optional Task 7	Milestone: Submit Draft UFP-QAPP	7 days	Tue 11/11/25	Mon 11/17/25	263
265	0009	Optional Task 7	Technical Project Planning (TPP) Meeting	1 day	Wed 12/3/25	Wed 12/3/25	264FS+15 days
266	0009	Optional Task 7	Regulatory Review of Draft UFP-QAPP	60 days	Tue 11/18/25	Fri 1/16/26	264
267	0009	Optional Task 7	Prepare Response to Regulatory Comments and Draft Final UFP-QAPP	0 days	Fri 1/16/26	Fri 1/16/26	266,265
268	0009	Optional Task 7	Regulatory Review of Responses to Comments	14 days	Sat 1/17/26	Fri 1/30/26	267
269	0009	Optional Task 7	Submit Draft Final UFP-QAPP	0 days	Fri 1/30/26	Fri 1/30/26	268
270	0009	Optional Task 7	Regulatory Review of Draft Final UFP-QAPP	30 days	Sat 1/31/26	Sun 3/1/26	269
271	0009	Optional Task 7	Prepare Responses to Comments and Final UFP-QAPP	5 days	Mon 3/2/26	Fri 3/6/26	270
272	0009	Optional Task 7	Regulatory Review of Response to Comments	5 days	Sat 3/7/26	Wed 3/11/26	271
273	0009	Optional Task 7	Submit Final UFP-QAPP	0 days	Wed 3/11/26	Wed 3/11/26	272,281
274	0009	Optional Task 7	Regulatory Approval of Final UFP-QAPP	0 days	Wed 3/11/26	Wed 3/11/26	273
275	**0009**	**Optional Task 7**	**APP/SSHP Addenda**	**88 days**	**Sat 7/19/25**	**Tue 10/14/25**	
276	0009	Optional Task 7	Prepare Draft APP/SSHP Addendum	30 days	Sat 7/19/25	Sun 8/17/25	256
277	0009	Optional Task 7	Army Review of Draft APP/SSHP	30 days	Mon 8/18/25	Tue 9/16/25	276
278	0009	Optional Task 7	Prepare Response to Army Comments and Final APP/SSHP	14 days	Wed 9/17/25	Tue 9/30/25	277
279	0009	Optional Task 7	Army Review of Response to Comments and Final APP/SSHP	14 days	Wed 10/1/25	Tue 10/14/25	278
280	0009	Optional Task 7	Submit Final APP/SSHP	0 days	Tue 10/14/25	Tue 10/14/25	279
281	0009	Optional Task 7	Army Approval of Final APP/SSHP	0 days	Tue 10/14/25	Tue 10/14/25	280
282	0009	Optional Task 7	Survey Site in Preparation for Design Plans	7 days	Thu 3/12/26	Wed 3/18/26	274
283	0009	Optional Task 7	Milestone: Submit Survey	1 day	Thu 3/19/26	Thu 3/19/26	282
284	0009	Optional Task 7	Pre-Implementation Characterization Sampling	7 days	Thu 3/12/26	Wed 3/18/26	274
285	0009	Optional Task 7	Milestone: Submit COCs	1 day	Thu 3/19/26	Thu 3/19/26	284
286	0009	Optional Task 7	Laboratory Analysis	28 days	Fri 3/20/26	Thu 4/16/26	285
287	**0009**	**Optional Task 7**	**Remedial Design (RD) for IAL4 (includes Erosion and Sediment Control Plan)**	**348 days**	**Tue 10/7/25**	**Sat 9/19/26**	
288	0009	Optional Task 7	Prepare Internal Draft RD	30 days	Tue 10/7/25	Wed 11/5/25	260
289	0009	Optional Task 7	Army Review of Internal Draft RD	30 days	Thu 11/6/25	Fri 12/5/25	288
290	0009	Optional Task 7	Prepare Response to Army Comments and Draft RD	14 days	Fri 4/17/26	Thu 4/30/26	289,286
291	0009	Optional Task 7	Army Review of Response to Comments and Draft RD	14 days	Fri 5/1/26	Thu 5/14/26	290
292	0009	Optional Task 7	Army Approval of Draft RD	7 days	Fri 5/15/26	Thu 5/21/26	291
293	0009	Optional Task 7	Milestone: Submit Draft RD	7 days	Fri 5/22/26	Thu 5/28/26	292
294	0009	Optional Task 7	Technical Project Planning (TPP) Meeting	1 day	Sat 6/13/26	Sat 6/13/26	293FS+15 days

Project: Schedule_Fort Meade 2
Date: Thu 5/1/25

Task ▭ Milestone ◆ Summary ▬

Table 3-1 Project Schedules for Open Sites at Fort Meade

Project Schedule & Milestones Fort Meade Multi-Site CERCLA Phases Fort George G. Meade (FGGM), Maryland

ID	CLIN	Task	Task Name	Duration	Start	Finish	Predecessors
295	0009	Optional Task 7	Regulatory Review of Draft RD	60 days	Fri 5/29/26	Mon 7/27/26	293
296	0009	Optional Task 7	Prepare Response to Regulatory Comments and Draft Final RD	0 days	Mon 7/27/26	Mon 7/27/26	295,294
297	0009	Optional Task 7	Regulatory Review of Responses to Comments	14 days	Tue 7/28/26	Mon 8/10/26	296
298	0009	Optional Task 7	Submit Draft Final RD	0 days	Mon 8/10/26	Mon 8/10/26	297
299	0009	Optional Task 7	Regulatory Review of Draft Final RD	30 days	Tue 8/11/26	Wed 9/9/26	298
300	0009	Optional Task 7	Prepare Responses to Comments and Final RD	5 days	Thu 9/10/26	Mon 9/14/26	299
301	0009	Optional Task 7	Regulatory Review of Response to Comments	5 days	Tue 9/15/26	Sat 9/19/26	300
302	0009	Optional Task 7	Submit Final RD	0 days	Sat 9/19/26	Sat 9/19/26	301
303	0009	Optional Task 7	Regulatory Approval of Final RD	0 days	Sat 9/19/26	Sat 9/19/26	302
304	**0009**	**Optional Task 7**	**Construction Stormwater National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater associated with Construction Activity, Notice of Intent (NOI):**	**100 days**	**Fri 3/20/26**	**Sat 6/27/26**	
305	0009	Optional Task 7	Preparation	5 days	Fri 3/20/26	Tue 3/24/26	283
306	0009	Optional Task 7	Army Review	15 days	Wed 3/25/26	Wed 4/8/26	305
307	0009	Optional Task 7	Revision	5 days	Thu 4/9/26	Mon 4/13/26	306
308	0009	Optional Task 7	45 day Public Comment Period	45 days	Tue 4/14/26	Thu 5/28/26	307
309	0009	Optional Task 7	MDE Approval	30 days	Fri 5/29/26	Sat 6/27/26	308
310	**0009**	**Optional Task 7**	**Wetlands and Water Permitting**	**55 days**	**Fri 3/20/26**	**Wed 5/13/26**	
311	0009	Optional Task 7	Preparation	5 days	Fri 3/20/26	Tue 3/24/26	283
312	0009	Optional Task 7	Army Review	15 days	Wed 3/25/26	Wed 4/8/26	311
313	0009	Optional Task 7	Revision	5 days	Thu 4/9/26	Mon 4/13/26	312
314	0009	Optional Task 7	MDE Review/Approval	30 days	Tue 4/14/26	Wed 5/13/26	313
315	**0010**	**Optional Task 8**	**CLIN 0010, Optional Task 8: RIP/RC for IAL4**	**821 days**	**Sun 9/20/26**	**Mon 12/18/28**	
360			**Closed Sanitary Landfill (CSL) and Cell 3 (FGGM-97)**	**2062 days**	**Sat 12/17/22**	**Tue 8/8/28**	
361	**0004**	**Task 3.2**	**CLIN 0004 (BASE): Task 3.2 – Final Proposed Plan (PP) / ROD for Closed Sanitary Landfill (CSL) and Cell 3 (FGGM-97)**	**1416 days**	**Sat 12/17/22**	**Sun 11/1/26**	
362	**0004**	**Task 3.2**	**Technical Memorandum for FGGM-17 (includes HHRA update)**	**634 days**	**Sat 12/17/22**	**Wed 9/11/24**	
363	0004	Task 3.2	Internal Draft Technical Memorandum	91 days	Sat 12/17/22	Fri 3/17/23	1FS+80 days
364	0004	Task 3.2	USACE and FGGM review and provide comments	48 days	Sat 3/18/23	Thu 5/4/23	363
365	0004	Task 3.2	Prepare response to comments	6 days	Thu 5/4/23	Tue 5/9/23	364
366	0004	Task 3.2	USACE and FGGM acceptance of response to comments	8 days	Tue 5/9/23	Tue 5/16/23	365
367	0004	Task 3.2	Draft Technical Memorandum submitted to EPA and MDE for review	0 days	Tue 5/16/23	Tue 5/16/23	366FS+3 days
368	0004	Task 3.2	Regulators review and provide comments	191 days	Tue 5/16/23	Wed 11/22/23	367
369	0004	Task 3.2	Prepare response to comments	65 days	Thu 11/23/23	Fri 1/26/24	368
370	0004	Task 3.2	USACE and FGGM acceptance of response to comments	7 days	Sat 1/27/24	Fri 2/2/24	369
371	0004	Task 3.2	Regulators acceptance of response to comments	27 days	Sat 2/3/24	Thu 2/29/24	370
372	0004	Task 3.2	Draft Final Technical Memorandum submitted to EPA and MDE for review	0 days	Fri 3/1/24	Fri 3/1/24	371
373	0004	Task 3.2	Regulators review and provide comments	98 days	Fri 3/1/24	Thu 6/6/24	372
374	0004	Task 3.2	Prepare response to comments	77 days	Fri 6/7/24	Thu 8/22/24	373
375	0004	Task 3.2	USACE and FGGM acceptance of response to comments	19 days	Fri 8/23/24	Tue 9/10/24	374
376	0004	Task 3.2	Regulators acceptance of response to comments	1 day	Tue 9/10/24	Tue 9/10/24	375
377	0004	Task 3.2	Final Technical Memorandum	0 days	Wed 9/11/24	Wed 9/11/24	376
378	**0004**	**Task 3.2**	**Proposed Remedial Action Plan (CSL)**	**485 days**	**Wed 9/11/24**	**Thu 1/8/26**	
379	0004	Task 3.2	Internal Draft Proposed Plan	45 days	Wed 9/11/24	Fri 10/25/24	377
380	0004	Task 3.2	USACE and FGGM review and provide comments	69 days	Sat 10/26/24	Thu 1/2/25	379
381	0004	Task 3.2	Prepare response to comments	91 days	Fri 1/3/25	Thu 4/3/25	380
382	0004	Task 3.2	USACE and FGGM acceptance of response to comments	19 days	Fri 4/4/25	Tue 4/22/25	381
383	0004	Task 3.2	Draft Proposed Plan submitted to EPA and MDE for review	10 days	Sat 4/26/25	Mon 5/5/25	382FS+3 days
384	0004	Task 3.2	Regulators review and provide comments	60 days	Tue 5/6/25	Fri 7/4/25	383
385	0004	Task 3.2	Prepare response to comments	21 days	Sat 7/5/25	Fri 7/25/25	384
386	0004	Task 3.2	USACE and FGGM acceptance of response to comments	7 days	Sat 7/26/25	Fri 8/1/25	385
387	0004	Task 3.2	Regulators acceptance of response to comments	30 days	Sat 8/2/25	Sun 8/31/25	386
388	0004	Task 3.2	Draft Final Proposed Plan submitted to EPA and MDE for review	7 days	Thu 9/4/25	Wed 9/10/25	387FS+3 days
389	0004	Task 3.2	Regulators review and provide comments	21 days	Thu 9/11/25	Wed 10/1/25	388
390	0004	Task 3.2	Prepare response to comments	21 days	Thu 10/2/25	Wed 10/22/25	389
391	0004	Task 3.2	USACE and FGGM acceptance of response to comments	7 days	Thu 10/23/25	Wed 10/29/25	390
392	0004	Task 3.2	Regulators acceptance of response to comments	21 days	Thu 10/30/25	Wed 11/19/25	391
393	0004	Task 3.2	Final Proposed Plan	0 days	Wed 11/19/25	Wed 11/19/25	392
394	0004	Task 3.2	Proposed Plan Meeting	1 day	Thu 12/4/25	Thu 12/4/25	393FS+14 days
395	0004	Task 3.2	Public Comment Period	30 days	Wed 12/10/25	Thu 1/8/26	393SS+20 days
396	**0004**	**Task 3.2**	**Record of Decision**	**347 days**	**Thu 11/20/25**	**Sun 11/1/26**	
397	0004	Task 3.2	Internal Draft Record of Decision	90 days	Thu 11/20/25	Tue 2/17/26	392
398	0004	Task 3.2	USACE and FGGM review and provide comments	30 days	Wed 2/18/26	Thu 3/19/26	397,394,395
399	0004	Task 3.2	Prepare response to comments	21 days	Fri 3/20/26	Thu 4/9/26	398
400	0004	Task 3.2	USACE and FGGM acceptance of response to comments	5 days	Fri 4/10/26	Tue 4/14/26	399
401	0004	Task 3.2	Draft Record of Decision submitted to EPA and MDE for review	0 days	Fri 4/17/26	Fri 4/17/26	400FS+3 days
402	0004	Task 3.2	Regulators review and provide comments	60 days	Sat 4/18/26	Tue 6/16/26	401
403	0004	Task 3.2	Prepare response to comments	21 days	Wed 6/17/26	Tue 7/7/26	402
404	0004	Task 3.2	USACE and FGGM acceptance of response to comments	7 days	Wed 7/8/26	Tue 7/14/26	403
405	0004	Task 3.2	Regulators acceptance of response to comments	30 days	Wed 7/15/26	Thu 8/13/26	404
406	0004	Task 3.2	Draft Final Record of Decision submitted to EPA and MDE for review	7 days	Mon 8/17/26	Sun 8/23/26	405FS+3 days
407	0004	Task 3.2	Regulators review and provide comments	21 days	Mon 8/24/26	Sun 9/13/26	406
408	0004	Task 3.2	Prepare response to comments	21 days	Mon 9/14/26	Sun 10/4/26	407
409	0004	Task 3.2	USACE and FGGM acceptance of response to comments	7 days	Mon 10/5/26	Sun 10/11/26	408
410	0004	Task 3.2	Regulators acceptance of response to comments	21 days	Mon 10/12/26	Sun 11/1/26	409
411	0004	Task 3.2	Final Record of Decision	0 days	Sun 11/1/26	Sun 11/1/26	410
412	**0008**	**Optional Task 6**	**CLIN 0008: OPTIONAL Task 6 - Remedy-in-Place (RIP)/Response Complete (RC) for FGGM-97 Cell 3 Landfill and CSL**	**646 days**	**Mon 11/2/26**	**Tue 8/8/28**	
413	**0008**	**Optional Task 6**	**Remedial Design and LUCIP Update**	**316 days**	**Mon 11/2/26**	**Mon 9/13/27**	
414	0008	Optional Task 6	Internal Draft Remedial Design and LUCIP Update	60 days	Mon 11/2/26	Thu 12/31/26	411
415	0008	Optional Task 6	USACE and FGGM review and provide comments	30 days	Fri 1/1/27	Sat 1/30/27	414
416	0008	Optional Task 6	Prepare response to comments	21 days	Sun 1/31/27	Sat 2/20/27	415
417	0008	Optional Task 6	USACE and FGGM acceptance of response to comments	7 days	Sun 2/21/27	Sat 2/27/27	416
418	0008	Optional Task 6	Draft Remedial Design and LUCIP Update submitted to EPA and MDE for review	0 days	Tue 3/2/27	Tue 3/2/27	417FS+3 days
419	0008	Optional Task 6	Regulators review and provide comments	60 days	Wed 3/3/27	Sat 5/1/27	418
420	0008	Optional Task 6	Prepare response to comments	21 days	Sun 5/2/27	Sat 5/22/27	419
421	0008	Optional Task 6	USACE and FGGM acceptance of response to comments	7 days	Sun 5/23/27	Sat 5/29/27	420
422	0008	Optional Task 6	Regulators acceptance of response to comments	30 days	Sun 5/30/27	Mon 6/28/27	421
423	0008	Optional Task 6	Draft Final Remedial Design and LUCIP Update submitted to EPA and MDE for review	7 days	Tue 6/29/27	Mon 7/5/27	422
424	0008	Optional Task 6	Regulators review and provide comments	21 days	Tue 7/6/27	Mon 7/26/27	423
425	0008	Optional Task 6	Prepare response to comments	21 days	Tue 7/27/27	Mon 8/16/27	424
426	0008	Optional Task 6	USACE and FGGM acceptance of response to comments	7 days	Tue 8/17/27	Mon 8/23/27	425
427	0008	Optional Task 6	Regulators acceptance of response to comments	21 days	Tue 8/24/27	Mon 9/13/27	426
428	0008	Optional Task 6	Final Remedial Design and LUCIP Update	0 days	Mon 9/13/27	Mon 9/13/27	427
429	**0008**	**Optional Task 6**	**Field Work**	**14 days**	**Tue 9/14/27**	**Mon 9/27/27**	
430	0008	Optional Task 6	Inspection and Maintenance of the Soil Cover, Groundwater and Surface Water Sampling (Cell 3)	14 days	Tue 9/14/27	Mon 9/27/27	428
431	**0008**	**Optional Task 6**	**Remedial Action Completion Report**	**316 days**	**Tue 9/28/27**	**Tue 8/8/28**	
432	0008	Optional Task 6	Internal Draft Remedial Action Completion Report	60 days	Tue 9/28/27	Fri 11/26/27	430
433	0008	Optional Task 6	USACE and FGGM review and provide comments	30 days	Sat 11/27/27	Sun 12/26/27	432
434	0008	Optional Task 6	Prepare response to comments	21 days	Mon 12/27/27	Sun 1/16/28	433
435	0008	Optional Task 6	USACE and FGGM acceptance of response to comments	7 days	Mon 1/17/28	Sun 1/23/28	434
436	0008	Optional Task 6	Draft Remedial Action Completion Report submitted to EPA and MDE for review	0 days	Wed 1/26/28	Wed 1/26/28	435FS+3 days
437	0008	Optional Task 6	Regulators review and provide comments	60 days	Thu 1/27/28	Sun 3/26/28	436
438	0008	Optional Task 6	Prepare response to comments	21 days	Mon 3/27/28	Sun 4/16/28	437
439	0008	Optional Task 6	USACE and FGGM acceptance of response to comments	7 days	Mon 4/17/28	Sun 4/23/28	438
440	0008	Optional Task 6	Regulators acceptance of response to comments	30 days	Mon 4/24/28	Tue 5/23/28	439
441	0008	Optional Task 6	Draft Final Remedial Action Completion Report submitted to EPA and MDE for review	7 days	Wed 5/24/28	Tue 5/30/28	440
442	0008	Optional Task 6	Regulators review and provide comments	21 days	Wed 5/31/28	Tue 6/20/28	441
443	0008	Optional Task 6	Prepare response to comments	21 days	Wed 6/21/28	Tue 7/11/28	442

Project: Schedule_Fort Meade 2
Date: Thu 5/1/25

Task Milestone ◆ Summary

Table 3-1 Project Schedules for Open Sites at Fort Meade

Project Schedule & Milestones Fort Meade Multi-Site CERCLA Phases Fort George G. Meade (FGGM), Maryland

ID	CLIN	Task	Task Name	Duration	Start	Finish	Predecessors
444	0008	Optional Task 6	USACE and FGGM acceptance of response to comments	7 days	Wed 7/12/28	Tue 7/18/28	443
445	0008	Optional Task 6	Regulators acceptance of response to comments	21 days	Wed 7/19/28	Tue 8/8/28	444
446	0008	Optional Task 6	Final Remedial Action Completion Report	0 days	Tue 8/8/28	Tue 8/8/28	445
447	**0007AA**	**Optional Task 5**	**CLIN 0007AA - OPTION Task 5 - FGGM-97, Cell 3 Landfill Cap Stabilization: Topsoil Importation, Grading, and Seeding (up to 250 SY with**	**32 days**	**Sun 11/27/22**	**Wed 12/28/22**	
452	**0007AB**	**Optional Task 5**	**CLIN 0007AB - OPTION Task 5 - FGGM-97, Cell 3 Landfill Cap Stabilization: Remove Erosion Control Structures or Convert to Permanent Structures**	**812 days**	**Fri 9/30/22**	**Thu 12/19/24**	
453	0007AB	Optional Task 5	Mobilize to Cell 3 and remove erosion control structures	2 days	Mon 12/16/24	Tue 12/17/24	
454	0007AB	Optional Task 5	FGGM inspection and approval	2 days	Wed 12/18/24	Thu 12/19/24	453
455	0007AB	Optional Task 5	Milestone: MDE approves site stabilization	0 days	Fri 9/30/22	Fri 9/30/22	
456	**0012**	**Optional Task 12**	**CLIN 0012 - OPTION Task 10 - Annual Operation and Maintenance (O&M) for CSL Methane Extraction System. Perform annual O&M for the methane extraction system for the duration of the period of performance. 1 week prep, paid upon receipt, add milestone**	**1826 days**	**Sat 10/1/22**	**Fri 10/1/27**	
457	0012AA	Optional Task 12	CLIN 0012AA - OPTION Task 10 - Annual O&M for CSL Methane Extraction System (FY23)	0 days	Sat 10/1/22	Sat 10/1/22	1FS+4 days
458	0012AA	Optional Task 12	There is weekly O&M and reporting via email; monthly O&M and written reports; bimonthly O&M (no reporting); a quarterly O&M Report; and annual O&M with no report. Milestone will be monthly reports. How best do I set this up?	365 days	Sun 10/2/22	Sun 10/1/23	457
459	0012AB	Optional Task 12	CLIN 0012AB - OPTION Task 10 - Annual O&M for CSL Methane Extraction System (FY24)	0 days	Sun 10/1/23	Sun 10/1/23	458
460	0012AB	Optional Task 12	There is weekly O&M and reporting via email; monthly O&M and written reports; bimonthly O&M (no reporting); a quarterly O&M Report; and annual O&M with no report. Milestone will be monthly reports. How best do I set this up?	366 days	Mon 10/2/23	Tue 10/1/24	459
461	0012AC	Optional Task 12	CLIN 0012AC - OPTION Task 10 - Annual O&M for CSL Methane Extraction System (FY25)	0 days	Tue 10/1/24	Tue 10/1/24	460
462	0012AC	Optional Task 12	There is weekly O&M and reporting via email; monthly O&M and written reports; bimonthly O&M (no reporting); a quarterly O&M Report; and annual O&M with no report. Milestone will be monthly reports. How best do I set this up?	365 days	Wed 10/2/24	Wed 10/1/25	461
463	0012AD	Optional Task 12	CLIN 0012AD - OPTION Task 10 - Annual O&M for CSL Methane Extraction System (FY26)	0 days	Wed 10/1/25	Wed 10/1/25	462
464	0012AD	Optional Task 12	There is weekly O&M and reporting via email; monthly O&M and written reports; bimonthly O&M (no reporting); a quarterly O&M Report; and annual O&M with no report. Milestone will be monthly reports. How best do I set this up?	365 days	Thu 10/2/25	Thu 10/1/26	463
465	0012AE	Optional Task 12	CLIN 0012AE - OPTION Task 10 - Annual O&M for CSL Methane Extraction System (FY27)	0 days	Thu 10/1/26	Thu 10/1/26	464
466	0012AE	Optional Task 12	There is weekly O&M and reporting via email; monthly O&M and written reports; bimonthly O&M (no reporting); a quarterly O&M Report; and annual O&M with no report. Milestone will be monthly reports. How best do I set this up?	365 days	Fri 10/2/26	Fri 10/1/27	465
467			**Operable Unit 4 (OU-4)**	**2030 days**	**Sat 12/17/22**	**Fri 7/7/28**	
468	**0005**	**Task 3.3**	**CLIN 0005 (BASE): Task 3.3 – Final Proposed Plan (PP) / ROD for OU-4**	**1109 days**	**Sat 12/17/22**	**Mon 12/29/25**	
469	**0005**	**Task 3.3**	**Proposed Plan**	**973 days**	**Sat 12/17/22**	**Fri 8/15/25**	
470	0005	Task 3.3	Prepare response to comments	82 days	Sat 12/17/22	Wed 3/8/23	1FS+80 days
471	0005	Task 3.3	USACE and FGGM acceptance of response to comments	90 days	Thu 3/9/23	Tue 6/6/23	470
472	0005	Task 3.3	Draft Final Proposed Plan submitted to EPA and MDE for review	13 days	Wed 6/7/23	Mon 6/19/23	471
473	0005	Task 3.3	Regulators review and provide comments	274 days	Tue 6/20/23	Tue 3/19/24	472
474	0005	Task 3.3	Prepare response to comments	23 days	Wed 3/20/24	Thu 4/11/24	473
475	0005	Task 3.3	USACE and FGGM acceptance of response to comments	440 days	Fri 4/12/24	Wed 6/25/25	474
476	0005	Task 3.3	Regulators acceptance of response to comments	21 days	Thu 6/26/25	Wed 7/16/25	475
477	0005	Task 3.3	Final Proposed Plan	0 days	Wed 7/16/25	Wed 7/16/25	476
478	**0005**	**Task 3.3**	**Proposed Plan Meeting**	**30 days**	**Thu 7/17/25**	**Fri 8/15/25**	
479	0005	Task 3.3	Proposed Plan Meeting	1 day	Thu 7/31/25	Thu 7/31/25	477FS+14 days
480	0005	Task 3.3	Public Comment Period	30 days	Thu 7/17/25	Fri 8/15/25	477
481	**0005**	**Task 3.3**	**Record of Decision**	**806 days**	**Mon 10/16/23**	**Mon 12/29/25**	
482	0005	Task 3.3	Internal Draft Record of Decision	60 days	Mon 10/16/23	Thu 12/14/23	
483	0005	Task 3.3	USACE and FGGM review and provide comments	31 days	Fri 12/15/23	Sun 1/14/24	482
484	0005	Task 3.3	Prepare response to comments	65 days	Sun 1/14/24	Mon 3/18/24	483
485	0005	Task 3.3	USACE and FGGM acceptance of response to comments	450 days	Tue 3/19/24	Wed 6/11/25	484
486	0005	Task 3.3	Draft Record of Decision submitted to EPA and MDE for review	0 days	Sat 6/14/25	Sat 6/14/25	485FS+3 days
487	0005	Task 3.3	Regulators review and provide comments	60 days	Sun 6/15/25	Wed 8/13/25	486
488	0005	Task 3.3	Prepare response to comments	21 days	Thu 8/14/25	Wed 9/3/25	487
489	0005	Task 3.3	USACE and FGGM acceptance of response to comments	7 days	Thu 9/4/25	Wed 9/10/25	488
490	0005	Task 3.3	Regulators acceptance of response to comments	30 days	Thu 9/11/25	Fri 10/10/25	489
491	0005	Task 3.3	Draft Final Record of Decision submitted to EPA and MDE for review	7 days	Tue 10/14/25	Mon 10/20/25	490FS+3 days
492	0005	Task 3.3	Regulators review and provide comments	21 days	Tue 10/21/25	Mon 11/10/25	491
493	0005	Task 3.3	Prepare response to comments	21 days	Tue 11/11/25	Mon 12/1/25	492
494	0005	Task 3.3	USACE and FGGM acceptance of response to comments	7 days	Tue 12/2/25	Mon 12/8/25	493
495	0005	Task 3.3	Regulators acceptance of response to comments	21 days	Tue 12/9/25	Mon 12/29/25	494
496	0005	Task 3.3	Final Record of Decision	0 days	Mon 12/29/25	Mon 12/29/25	495
497	**0011**	**Optional Task 9**	**CLIN 0011: OPTIONAL Task 9 - Remedy-in-Place (RIP)/Response Complete (RC) for OU-4**	**921 days**	**Tue 12/30/25**	**Fri 7/7/28**	
498	**0011**	**Optional Task 9**	**Remedial Design and LUCIP Update**	**316 days**	**Tue 12/30/25**	**Tue 11/10/26**	
499	0011	Optional Task 9	Internal Draft Remedial Design and LUCIP Update	60 days	Tue 12/30/25	Fri 2/27/26	496
500	0011	Optional Task 9	USACE and FGGM review and provide comments	30 days	Sat 2/28/26	Sun 3/29/26	499
501	0011	Optional Task 9	Prepare response to comments	21 days	Mon 3/30/26	Sun 4/19/26	500
502	0011	Optional Task 9	USACE and FGGM acceptance of response to comments	7 days	Mon 4/20/26	Sun 4/26/26	501
503	0011	Optional Task 9	Draft Remedial Design and LUCIP Update submitted to EPA and MDE for review	0 days	Wed 4/29/26	Wed 4/29/26	502FS+3 days
504	0011	Optional Task 9	Regulators review and provide comments	60 days	Thu 4/30/26	Sun 6/28/26	503
505	0011	Optional Task 9	Prepare response to comments	21 days	Mon 6/29/26	Sun 7/19/26	504
506	0011	Optional Task 9	USACE and FGGM acceptance of response to comments	7 days	Mon 7/20/26	Sun 7/26/26	505
507	0011	Optional Task 9	Regulators acceptance of response to comments	30 days	Mon 7/27/26	Tue 8/25/26	506
508	0011	Optional Task 9	Draft Final Remedial Design and LUCIP Update submitted to EPA and MDE for review	7 days	Wed 8/26/26	Tue 9/1/26	507
509	0011	Optional Task 9	Regulators review and provide comments	21 days	Wed 9/2/26	Tue 9/22/26	508
510	0011	Optional Task 9	Prepare response to comments	21 days	Wed 9/23/26	Tue 10/13/26	509
511	0011	Optional Task 9	USACE and FGGM acceptance of response to comments	7 days	Wed 10/14/26	Tue 10/20/26	510
512	0011	Optional Task 9	Regulators acceptance of response to comments	21 days	Wed 10/21/26	Tue 11/10/26	511
513	0011	Optional Task 9	Final Remedial Design and LUCIP Update	0 days	Tue 11/10/26	Tue 11/10/26	512
514	**0011**	**Optional Task 9**	**Field Work**	**256 days**	**Wed 11/11/26**	**Sat 7/24/27**	
515	**0011**	**Optional Task 9**	**Monitoring Wells**	**118 days**	**Wed 11/11/26**	**Mon 3/8/27**	
516	0011	Optional Task 9	Permitting and Site Coordination	30 days	Wed 11/11/26	Thu 12/10/26	513
517	0011	Optional Task 9	Installation of Deep Off-Post Monitoring Wells	60 days	Fri 12/11/26	Mon 2/8/27	516
518	0011	Optional Task 9	Submittal of Well Installation Field Work Memo	0 days	Sat 2/13/27	Sat 2/13/27	517FS+5 days
519	0011	Optional Task 9	On-Post and Off-Post Groundwater Monitoring	14 days	Tue 2/23/27	Mon 3/8/27	517FS+14 days,518
520	**0011**	**Optional Task 9**	**Residential Wells**	**254 days**	**Fri 11/13/26**	**Sat 7/24/27**	
521	0011	Optional Task 9	Off-Post Residential Well Survey	30 days	Fri 11/13/26	Sat 12/12/26	513FS+2 days
522	0011	Optional Task 9	Obtain ROEs	30 days	Sun 12/13/26	Mon 1/11/27	521
523	0011	Optional Task 9	Off-Post Residential Well Sampling	14 days	Tue 1/12/27	Mon 1/25/27	522
524	0011	Optional Task 9	Submittal of Potable Well Sampling Memorandum	0 days	Thu 3/11/27	Thu 3/11/27	523FS+45 days
525	0011	Optional Task 9	Data Analysis and Risk Evaluation	150 days	Thu 2/25/27	Sat 7/24/27	523FS+30 days
526	**0011**	**Optional Task 9**	**Remedial Action Completion Report**	**319 days**	**Tue 8/24/27**	**Fri 7/7/28**	
527	0011	Optional Task 9	Internal Draft Remedial Action Completion Report	60 days	Tue 8/24/27	Fri 10/22/27	525FS+30 days,524
528	0011	Optional Task 9	USACE and FGGM review and provide comments	30 days	Sat 10/23/27	Sun 11/21/27	527
529	0011	Optional Task 9	Prepare response to comments	21 days	Mon 11/22/27	Sun 12/12/27	528
530	0011	Optional Task 9	USACE and FGGM acceptance of response to comments	7 days	Mon 12/13/27	Sun 12/19/27	529
531	0011	Optional Task 9	Draft Remedial Action Completion Report submitted to EPA and MDE for review	0 days	Wed 12/22/27	Wed 12/22/27	530FS+3 days
532	0011	Optional Task 9	Regulators review and provide comments	60 days	Thu 12/23/27	Sun 2/20/28	531
533	0011	Optional Task 9	Prepare response to comments	21 days	Mon 2/21/28	Sun 3/12/28	532
534	0011	Optional Task 9	USACE and FGGM acceptance of response to comments	7 days	Mon 3/13/28	Sun 3/19/28	533
535	0011	Optional Task 9	Regulators acceptance of response to comments	30 days	Mon 3/20/28	Tue 4/18/28	534
536	0011	Optional Task 9	Draft Final Remedial Action Completion Report submitted to EPA and MDE for review	7 days	Sat 4/22/28	Fri 4/28/28	535FS+3 days
537	0011	Optional Task 9	Regulators review and provide comments	21 days	Sat 4/29/28	Fri 5/19/28	536
538	0011	Optional Task 9	Prepare response to comments	21 days	Sat 5/20/28	Fri 6/9/28	537
539	0011	Optional Task 9	USACE and FGGM acceptance of response to comments	7 days	Sat 6/10/28	Fri 6/16/28	538
540	0011	Optional Task 9	Regulators acceptance of response to comments	21 days	Sat 6/17/28	Fri 7/7/28	539
541	0011	Optional Task 9	Final Remedial Action Completion Report	0 days	Fri 7/7/28	Fri 7/7/28	540
542	**0013**	**Optional Task 11**	**CLIN 0013: OPTIONAL Task 11 - North Odenton Site Expanded Site Inspection (ESI)**	**852 days**	**Fri 7/21/23**	**Tue 11/18/25**	
543	**0013**	**Optional Task 11**	**Expanded Site Inspection QAPP Addendum**	**391 days**	**Fri 7/21/23**	**Wed 8/14/24**	
544	0013	Optional Task 11	Internal Draft Expanded Site Inspection QAPP Addendum	215 days	Fri 7/21/23	Tue 2/20/24	
545	0013	Optional Task 11	USACE and FGGM review and provide comments	15 days	Wed 2/21/24	Wed 3/6/24	544
546	**0013**	**Optional Task 11**	**Resolution of ID Comments**	**28 days**	**Fri 3/22/24**	**Thu 4/18/24**	
547	0013	Optional Task 11	Prepare response to comments	17 days	Wed 3/6/24	Fri 3/22/24	545
548	0013	Optional Task 11	USACE and FGGM acceptance of response to comments	0 days	Fri 3/22/24	Fri 3/22/24	547

Project: Schedule_Fort Meade 2
Date: Thu 5/1/25

Task Milestone ◆ Summary

Table 3-1 Project Schedules for Open Sites at Fort Meade

Project Schedule & Milestones Fort Meade Multi-Site CERCLA Phases Fort George G. Meade (FGGM), Maryland

ID	CLIN	Task	Task Name	Duration	Start	Finish	Predecessors
549	**0013**	**Optional Task 11**	**Milestone: Draft Expanded Site Inspection QAPP Addendum submitted to Regulators**	**125 days**	**Fri 4/5/24**	**Wed 8/7/24**	
550	0013	Optional Task 11	Draft Expanded Site Inspection QAPP Addendum submitted to MDE for review	0 days	Fri 4/5/24	Fri 4/5/24	548FS+3 days
551	0013	Optional Task 11	Regulators review and provide comments	69 days	Fri 4/5/24	Wed 6/12/24	550
552	**0013**	**Optional Task 11**	**Resolution of Comments**	**56 days**	**Thu 6/13/24**	**Wed 8/7/24**	
553	0013	Optional Task 11	Prepare response to comments	21 days	Thu 6/13/24	Wed 7/3/24	551
554	0013	Optional Task 11	USACE and FGGM acceptance of response to comments	7 days	Wed 7/17/24	Tue 7/23/24	553
555	0013	Optional Task 11	Regulators acceptance of response to comments	15 days	Wed 7/24/24	Wed 8/7/24	554
556	**0013**	**Optional Task 11**	**Draft Final Expanded Site Inspection QAPP Addendum submitted to Regulators**	**63 days**	**Wed 6/12/24**	**Wed 8/14/24**	
557	0013	Optional Task 11	Draft Final Expanded Site Inspection QAPP Addendum submitted to MDE for review	7 days	Thu 8/8/24	Wed 8/14/24	555
558	0013	Optional Task 11	Regulators review and provide comments	0 days	Wed 6/12/24	Wed 6/12/24	557
559	**0013**	**Optional Task 11**	**Resolution of Comments**	**44 days**	**Thu 6/13/24**	**Fri 7/26/24**	
560	0013	Optional Task 11	Prepare response to comments	21 days	Thu 6/13/24	Wed 7/3/24	558
561	0013	Optional Task 11	USACE and FGGM acceptance of response to comments	0 days	Mon 6/24/24	Mon 6/24/24	560
562	0013	Optional Task 11	Regulators acceptance of response to comments	0 days	Fri 7/26/24	Fri 7/26/24	561
563	**0013**	**Optional Task 11**	**Milestone: Final Expanded Site Inspection QAPP Addendum submitted to Regulators**	**0 days**	**Fri 7/26/24**	**Fri 7/26/24**	
564	0013	Optional Task 11	Final Expanded Site Inspection QAPP Addendum	0 days	Fri 7/26/24	Fri 7/26/24	562
565	**0013**	**Optional Task 11**	**Field Work**	**70 days**	**Sat 7/27/24**	**Fri 10/4/24**	
566	0013	Optional Task 11	Permitting and Site Coordination	30 days	Sat 7/27/24	Sun 8/25/24	564
567	0013	Optional Task 11	Installation of Deep On-Post Monitoring Wells	30 days	Mon 8/19/24	Tue 9/17/24	
568	**0013**	**Optional Task 11**	**Milestone: Well Installation Field Work Memo**	**5 days**	**Mon 9/23/24**	**Fri 9/27/24**	
569	0013	Optional Task 11	Submittal of Well Installation Field Work Memo	5 days	Mon 9/23/24	Fri 9/27/24	567FS+5 days
570	0013	Optional Task 11	Groundwater Monitoring	7 days	Sat 9/28/24	Fri 10/4/24	567FS+10 days
571	**0013**	**Optional Task 11**	**Expanded Site Inspection Report**	**380 days**	**Mon 11/4/24**	**Tue 11/18/25**	
572	0013	Optional Task 11	Internal Draft Expanded Site Inspection Report	122 days	Mon 11/4/24	Wed 3/5/25	565FS+30 days
573	0013	Optional Task 11	USACE and FGGM review and provide comments	34 days	Thu 3/6/25	Tue 4/8/25	572
574	**0013**	**Optional Task 11**	**Resolution of ID Comments**	**28 days**	**Wed 4/9/25**	**Tue 5/6/25**	
575	0013	Optional Task 11	Prepare response to comments	21 days	Wed 4/9/25	Tue 4/29/25	573
576	0013	Optional Task 11	USACE and FGGM acceptance of response to comments	5 days	Wed 4/30/25	Sun 5/4/25	575
577	**0013**	**Optional Task 11**	**Milestone: Draft Expanded Site Inspection Report submitted to Regulators**	**118 days**	**Wed 5/7/25**	**Tue 9/2/25**	
578	0013	Optional Task 11	Draft Expanded Site Inspection Report submitted to MDE for review	0 days	Wed 5/7/25	Wed 5/7/25	576FS+3 days
579	0013	Optional Task 11	Regulators review and provide comments	60 days	Thu 5/8/25	Sun 7/6/25	578
580	**0013**	**Optional Task 11**	**Resolution of Comments**	**58 days**	**Mon 7/7/25**	**Tue 9/2/25**	
581	0013	Optional Task 11	Prepare response to comments	21 days	Mon 7/7/25	Sun 7/27/25	579
582	0013	Optional Task 11	USACE and FGGM acceptance of response to comments	7 days	Mon 7/28/25	Sun 8/3/25	581
583	0013	Optional Task 11	Regulators acceptance of response to comments	30 days	Mon 8/4/25	Tue 9/2/25	582
584	**0013**	**Optional Task 11**	**Draft Final Expanded Site Inspection Report submitted to Regulators**	**77 days**	**Wed 9/3/25**	**Tue 11/18/25**	
585	0013	Optional Task 11	Draft Final Expanded Site Inspection Report submitted to MDE for review	7 days	Wed 9/3/25	Tue 9/9/25	583
586	0013	Optional Task 11	Regulators review and provide comments	21 days	Wed 9/10/25	Tue 9/30/25	585
587	**0013**	**Optional Task 11**	**Resolution of Comments**	**49 days**	**Wed 10/1/25**	**Tue 11/18/25**	
588	0013	Optional Task 11	Prepare response to comments	21 days	Wed 10/1/25	Tue 10/21/25	586
589	0013	Optional Task 11	USACE and FGGM acceptance of response to comments	7 days	Wed 10/22/25	Tue 10/28/25	588
590	0013	Optional Task 11	Regulators acceptance of response to comments	21 days	Wed 10/29/25	Tue 11/18/25	589
591	**0013**	**Optional Task 11**	**Milestone: Final Expanded Site Inspection Report submitted to Regulators**	**0 days**	**Tue 11/18/25**	**Tue 11/18/25**	
592	0013	Optional Task 11	Final Expanded Site Inspection Report	0 days	Tue 11/18/25	Tue 11/18/25	590

Project: Schedule_Fort Meade 2
Date: Thu 5/1/25

Task Milestone ◆ Summary

SERES ARCADIS a joint venture

Maintain Remedial Action Operations and Long-Term Management
Fort Meade, Maryland and Phoenix Military Reservation, Maryland

ID	WBS	Task Name	Duration	Start	Finish
0	**0**	**Remedial Action Operations (RAO)/Long Term Management (LTM) at Fort George G. Meade (FGGM) and Phoenix Military Reservation (PMR), Maryland**	**1304 days**	**Tue 9/29/20**	**Fri 9/26/25**
1	1	Project Award Date	1 day	Tue 9/29/20	Tue 9/29/20
2	**2**	**CLIN 0001 - Project Management Support and Planning**	**1303 days**	**Tue 9/29/20**	**Fri 9/26/25**
3	2.1	Kickoff Meeting	1 day	Mon 10/19/20	Mon 10/19/20
4	**2.2**	**Project Management Plan (PMP)**	**39 days**	**Tue 9/29/20**	**Mon 11/23/20**
5	2.2.1	Prepare Draft PMP	30 edays	Tue 9/29/20	Thu 10/29/20
6	2.2.2	Submit Draft PMP	0 days	Thu 10/29/20	Thu 10/29/20
7	2.2.3	Army Review of Draft PMP	18 edays	Thu 10/29/20	Mon 11/16/20
8	2.2.4	Prepare and Submit Final PMP	7 edays	Mon 11/16/20	Mon 11/23/20
9	2.2.5	Army Approval of Final PMP	0 days	Mon 11/23/20	Mon 11/23/20
10	**2.3**	**Work Plan Amendment**	**87 days**	**Wed 1/20/21**	**Thu 5/20/21**
11	2.3.1	Prepare Draft Work Plan Amendment	0.38 edays	Wed 1/20/21	Wed 1/20/21
12	2.3.2	Submit Draft Work Plan Amendment	0 days	Wed 1/20/21	Wed 1/20/21
13	2.3.3	Army Review Period	40 edays	Wed 1/20/21	Mon 3/1/21
14	2.3.4	Prepare and Submit Final Work Plan Amendment	30 edays	Mon 3/1/21	Wed 3/31/21
15	2.3.5	Regulatory Review (MDE/EPA No Comment Letters)	50 edays	Wed 3/31/21	Thu 5/20/21
16	2.3.6	Acceptance of Final Work Plan Amendment	1 day	Thu 5/20/21	Thu 5/20/21
17	**2.4**	**LUCIP Addendum**	**90 days**	**Mon 6/28/21**	**Fri 10/29/21**
18	2.4.1	Prepare Draft LUCIP Addendum for PMR	30 days	Mon 6/28/21	Fri 8/6/21
19	2.4.2	Submit Draft LUCIP Addendum for PMR	0 days	Fri 8/6/21	Fri 8/6/21
20	2.4.3	Army Review Period	22 days	Mon 8/9/21	Tue 9/7/21
21	2.4.4	Prepare Final LUCIP Addendum for PMR	38 days	Wed 9/8/21	Fri 10/29/21
22	2.4.5	Submit Final LUCIP Addendum for PMR to MDE/EPA for Notificiation Purposes	0 days	Fri 10/29/21	Fri 10/29/21
23	2.5	Additional LUCIP Addendums, as Necessary	1303 days	Wed 9/30/20	Fri 9/26/25
24	**2.6**	**General Project Management Support and Planning**	**1303 days**	**Wed 9/30/20**	**Fri 9/26/25**
25	2.6.1	Year 1	260 days	Wed 9/30/20	Tue 9/28/21
26	2.6.2	Year 2	260 days	Wed 9/29/21	Tue 9/27/22
27	2.6.3	Year 3	260 days	Wed 9/28/22	Tue 9/26/23
28	2.6.4	Year 4	260 days	Wed 9/27/23	Tue 9/24/24
29	2.6.5	Year 5	263 days	Wed 9/25/24	Fri 9/26/25
30	**2.7**	**Meeting and Public Involvement Support**	**1185 days**	**Mon 3/15/21**	**Fri 9/26/25**
31	2.7.1	Monthly RAB Meeting Support and Meeting Minutes	1185 days	Mon 3/15/21	Fri 9/26/25
32	2.7.2	Quarterly FFA Meeting Support and Meeting Minutes	1185 days	Mon 3/15/21	Fri 9/26/25
33	**3**	**Task 2.1 Operable Unit 4 (OU-4)**	**1278 days**	**Wed 11/4/20**	**Fri 9/26/25**
34	**3.1**	**CLIN 0002 - Task 2.1 Operable Unit 4 (OU-4)**	**274 days**	**Wed 11/4/20**	**Mon 11/22/21**
35	**3.1.1**	**AOC 1 - Building 2286 / Former Building 2276**	**155 days**	**Mon 12/7/20**	**Fri 7/9/21**
36	**3.1.1.1**	**Field Activities**	**155 days**	**Mon 12/7/20**	**Fri 7/9/21**
37	**3.1.1.1.1**	**Groundwater Sampling**	**155 days**	**Mon 12/7/20**	**Fri 7/9/21**
38	3.1.1.1.1.1	Semi-Annual Sampling Event 1	4 days	Mon 12/7/20	Thu 12/10/20
39	3.1.1.1.1.2	ERIS Uploads	1 day	Thu 3/11/21	Thu 3/11/21
40	3.1.1.1.1.3	Semi-Annual Sampling Event 2	1 day	Fri 4/9/21	Fri 4/9/21
41	3.1.1.1.1.4	ERIS Uploads	1 day	Fri 7/9/21	Fri 7/9/21
42	**3.1.2**	**AOC 2 - Building 2250**	**235 days**	**Wed 11/4/20**	**Tue 9/28/21**
43	**3.1.2.1**	**Field Activities**	**235 days**	**Wed 11/4/20**	**Tue 9/28/21**
44	**3.1.2.1.1**	**O&M of AS/SVE System**	**235 days**	**Wed 11/4/20**	**Tue 9/28/21**
45	3.1.2.1.1.1	Monthly System O&M	235 days	Wed 11/4/20	Tue 9/28/21
46	**3.1.2.1.2**	**Groundwater Sampling**	**121 days**	**Mon 12/7/20**	**Mon 5/24/21**
47	3.1.2.1.2.1	Semi-Annual Sampling Event 1	3 days	Mon 12/7/20	Wed 12/9/20
48	3.1.2.1.2.2	ERIS Uploads	1 day	Wed 3/10/21	Wed 3/10/21
49	3.1.2.1.2.3	Semi-Annual Sampling Event 2	1 day	Fri 4/2/21	Fri 4/2/21
50	3.1.2.1.2.4	ERIS Uploads	1 day	Mon 5/24/21	Mon 5/24/21
51	**3.1.3**	**AOC 3 Lower Patapsco Aquifer Study**	**235 days**	**Wed 11/4/20**	**Tue 9/28/21**
52	**3.1.3.1**	**Field Activities**	**235 days**	**Wed 11/4/20**	**Tue 9/28/21**
53	**3.1.3.1.1**	**System O&M**	**235 days**	**Wed 11/4/20**	**Tue 9/28/21**
54	3.1.3.1.1.1	Monthly System O&M	235 days	Wed 11/4/20	Tue 9/28/21
55	**3.1.3.1.2**	**Groundwater Sampling**	**156 days**	**Tue 12/8/20**	**Tue 7/13/21**
56	3.1.3.1.2.1	Semi-Annual Sampling Event 1	11 days	Tue 12/8/20	Tue 12/22/20
57	3.1.3.1.2.2	ERIS Uploads	1 day	Tue 3/23/21	Tue 3/23/21
58	3.1.3.1.2.3	Semi-Annual Sampling Event 2	2 days	Mon 4/12/21	Tue 4/13/21
59	3.1.3.1.2.4	ERIS Uploads	1 day	Tue 7/13/21	Tue 7/13/21
60	**3.1.4**	**OU-4 O&M Reporting**	**140 days**	**Tue 5/11/21**	**Mon 11/22/21**
61	**3.1.4.1**	**Annual Report**	**132 days**	**Tue 5/11/21**	**Wed 11/10/21**
62	3.1.4.1.1	Prepare Draft Annual O&M Report	13 days	Tue 5/11/21	Thu 5/27/21
63	3.1.4.1.2	Submit Draft Annual O&M Report	0 days	Thu 5/27/21	Thu 5/27/21
64	3.1.4.1.3	Army Review Period	22 days	Fri 5/28/21	Mon 6/28/21
65	3.1.4.1.4	Prepare and Submit Draft Final Annual O&M Report	47 days	Tue 6/29/21	Wed 9/1/21
66	3.1.4.1.5	Regulatory Review (MDE/EPA No Comment Letters)	50 days	Thu 9/2/21	Wed 11/10/21
67	3.1.4.1.6	Prepare and Submit Final Annual O&M Report	0 days	Wed 11/10/21	Wed 11/10/21
68	3.1.4.1.7	Acceptance of Final Annual O&M Report	0 days	Wed 11/10/21	Wed 11/10/21
69	**3.1.4.2**	**Semi-Annual Report**	**93 days**	**Thu 7/15/21**	**Mon 11/22/21**
70	3.1.4.2.1	Prepare Draft Semi-Annual Report	8 days	Thu 7/15/21	Mon 7/26/21
71	3.1.4.2.2	Submit Draft Semi-Annual Report	0 days	Mon 7/26/21	Mon 7/26/21
72	3.1.4.2.3	Army Review Period	13 days	Tue 7/27/21	Thu 8/12/21
73	3.1.4.2.4	Prepare and Submit Draft Final Semi-Annual Report	17 days	Fri 8/13/21	Mon 9/6/21
74	3.1.4.2.5	Regulatory Review (MDE/EPA No Comment Letters)	55 days	Tue 9/7/21	Mon 11/22/21
75	3.1.4.2.6	Prepare and Submit Final Semi-Annual Report	0 days	Mon 11/22/21	Mon 11/22/21
76	3.1.4.2.7	Acceptance of Final Semi-Annual Report	0 days	Mon 11/22/21	Mon 11/22/21

SERES ARCADIS a joint venture

Maintain Remedial Action Operations and Long-Term Management
Fort Meade, Maryland and Phoenix Military Reservation, Maryland

ID	WBS	Task Name	Duration	Start	Finish
77	**3.2**	**CLIN 0002AA OU-4 Option Year 1**	**343 days**	**Wed 9/29/21**	**Fri 1/20/23**
78	**3.2.1**	**AOC 1 - Building 2286 / Former Building 2276**	**188 days**	**Wed 10/6/21**	**Fri 6/24/22**
79	**3.2.1.1**	**Field Activities**	**188 days**	**Wed 10/6/21**	**Fri 6/24/22**
80	**3.2.1.1.1**	**Groundwater Sampling**	**188 days**	**Wed 10/6/21**	**Fri 6/24/22**
81	3.2.1.1.1.1	Semi-Annual Sampling Event 3	1 day	Wed 10/6/21	Wed 10/6/21
82	3.2.1.1.1.2	ERIS Uploads	1 day	Wed 1/5/22	Wed 1/5/22
83	3.2.1.1.1.3	Semi-Annual Sampling Event 4	15 days	Mon 3/7/22	Fri 3/25/22
84	3.2.1.1.1.4	ERIS Uploads	1 day	Fri 6/24/22	Fri 6/24/22
85	**3.2.2**	**AOC 2 - Building 2250**	**260 days**	**Wed 9/29/21**	**Tue 9/27/22**
86	**3.2.2.1**	**Field Activities**	**260 days**	**Wed 9/29/21**	**Tue 9/27/22**
87	**3.2.2.1.1**	**O&M of AS/SVE System**	**260 days**	**Wed 9/29/21**	**Tue 9/27/22**
88	3.2.2.1.1.1	Monthly System O&M	260 days	Wed 9/29/21	Tue 9/27/22
89	**3.2.2.1.2**	**Groundwater Sampling**	**187 days**	**Thu 10/7/21**	**Fri 6/24/22**
90	3.2.2.1.2.1	Semi-Annual Sampling Event 3	1 day	Thu 10/7/21	Thu 10/7/21
91	3.2.2.1.2.2	ERIS Uploads	1 day	Thu 1/6/22	Thu 1/6/22
92	3.2.2.1.2.3	Semi-Annual Sampling Event 4	15 days	Mon 3/7/22	Fri 3/25/22
93	3.2.2.1.2.4	ERIS Uploads	1 day	Fri 6/24/22	Fri 6/24/22
94	**3.2.3**	**AOC 3 Lower Patapsco Aquifer Study**	**260 days**	**Wed 9/29/21**	**Tue 9/27/22**
95	**3.2.3.1**	**Field Activities**	**260 days**	**Wed 9/29/21**	**Tue 9/27/22**
96	**3.2.3.1.1**	**System O&M**	**260 days**	**Wed 9/29/21**	**Tue 9/27/22**
97	3.2.3.1.1.1	Monthly System O&M	260 days	Wed 9/29/21	Tue 9/27/22
98	**3.2.3.1.2**	**Groundwater Sampling**	**189 days**	**Tue 10/5/21**	**Fri 6/24/22**
99	3.2.3.1.2.1	Semi-Annual Sampling Event 2	3 days	Tue 10/5/21	Thu 10/7/21
100	3.2.3.1.2.2	ERIS Uploads	1 day	Thu 1/6/22	Thu 1/6/22
101	3.2.3.1.2.3	Semi-Annual Sampling Event 3	15 days	Mon 3/7/22	Fri 3/25/22
102	3.2.3.1.2.4	ERIS Uploads	1 day	Fri 6/24/22	Fri 6/24/22
103	**3.2.4**	**OU- 4 Semi-Annual O&M Reporting**	**202 days**	**Thu 4/14/22**	**Fri 1/20/23**
104	**3.2.4.1**	**Annual Report**	**81 days**	**Thu 4/14/22**	**Thu 8/4/22**
105	3.2.4.1.1	Prepare Draft Annual O&M Report	13 days	Thu 4/14/22	Mon 5/2/22
106	3.2.4.1.2	Submit Draft Annual O&M Report	0 days	Mon 5/2/22	Mon 5/2/22
107	3.2.4.1.3	Army Review Period	11 days	Tue 5/3/22	Tue 5/17/22
108	3.2.4.1.4	Prepare and Submit Draft Final Annual O&M Report	17 days	Wed 5/18/22	Thu 6/9/22
109	3.2.4.1.5	Regulatory Review (MDE/EPA No Comment Letters)	40 days	Fri 6/10/22	Thu 8/4/22
110	3.2.4.1.6	Prepare and Submit Final Annual O&M Report	0 days	Thu 8/4/22	Thu 8/4/22
111	3.2.4.1.7	Acceptance of Final Annual O&M Report	0 days	Thu 8/4/22	Thu 8/4/22
112	**3.2.4.2**	**Semi-Annual Report**	**167 days**	**Thu 6/2/22**	**Fri 1/20/23**
113	3.2.4.2.1	Prepare Draft Semi-Annual Report	96 days	Thu 6/2/22	Thu 10/13/22
114	3.2.4.2.2	Submit Draft Semi-Annual Report	0 days	Thu 10/13/22	Thu 10/13/22
115	3.2.4.2.3	Army Review Period	14 days	Fri 10/14/22	Wed 11/2/22
116	3.2.4.2.4	Prepare and Submit Draft Final Semi-Annual Report	12 days	Thu 11/3/22	Fri 11/18/22
117	3.2.4.2.5	Regulatory Review (No Comment Letter MDE/No Comments EPA)	45 days	Mon 11/21/22	Fri 1/20/23
118	3.2.4.2.6	Prepare and Submit Final Semi-Annual Report	0 days	Fri 1/20/23	Fri 1/20/23
119	3.2.4.2.7	Acceptance of Final Semi-Annual Report	0 days	Fri 1/20/23	Fri 1/20/23
120	**3.3**	**CLIN 0002BB OU-4 Option Year 2**	**371 days**	**Thu 9/22/22**	**Thu 2/22/24**
121	**3.3.1**	**AOC 1 - Building 2286 / Former Building 2276**	**197 days**	**Thu 9/22/22**	**Fri 6/23/23**
122	**3.3.1.1**	**Field Activities**	**197 days**	**Thu 9/22/22**	**Fri 6/23/23**
123	**3.3.1.1.1**	**Groundwater Sampling**	**197 days**	**Thu 9/22/22**	**Fri 6/23/23**
124	3.3.1.1.1.1	Semi-Annual Sampling Event 5	10 days	Thu 9/22/22	Wed 10/5/22
125	3.3.1.1.1.2	ERIS Uploads	1 day	Wed 1/4/23	Wed 1/4/23
126	3.3.1.1.1.3	Semi-Annual Sampling Event 6	10 days	Mon 3/13/23	Fri 3/24/23
127	3.3.1.1.1.4	ERIS Uploads	1 day	Fri 6/23/23	Fri 6/23/23
128	**3.3.2**	**AOC 2 - Building 2250**	**264 days**	**Thu 9/22/22**	**Tue 9/26/23**
129	**3.3.2.1**	**Field Activities**	**264 days**	**Thu 9/22/22**	**Tue 9/26/23**
130	**3.3.2.1.1**	**O&M of AS/SVE System**	**260 days**	**Wed 9/28/22**	**Tue 9/26/23**
131	3.3.2.1.1.1	Monthly System O&M	260 days	Wed 9/28/22	Tue 9/26/23
132	**3.3.2.1.2**	**Groundwater Sampling**	**197 days**	**Thu 9/22/22**	**Fri 6/23/23**
133	3.3.2.1.2.1	Semi-Annual Sampling Event 5	10 days	Thu 9/22/22	Wed 10/5/22
134	3.3.2.1.2.2	ERIS Uploads	1 day	Wed 1/4/23	Wed 1/4/23
135	3.3.2.1.2.3	Semi-Annual Sampling Event 6	10 days	Mon 3/13/23	Fri 3/24/23
136	3.3.2.1.2.4	ERIS Uploads	1 day	Fri 6/23/23	Fri 6/23/23
137	**3.3.3**	**AOC 3 Lower Patapsco Aquifer Study**	**264 days**	**Thu 9/22/22**	**Tue 9/26/23**
138	**3.3.3.1**	**Field Activities**	**264 days**	**Thu 9/22/22**	**Tue 9/26/23**
139	**3.3.3.1.1**	**System O&M**	**260 days**	**Wed 9/28/22**	**Tue 9/26/23**
140	3.3.3.1.1.1	Monthly System O&M	260 days	Wed 9/28/22	Tue 9/26/23
141	**3.3.3.1.2**	**Groundwater Sampling**	**197 days**	**Thu 9/22/22**	**Fri 6/23/23**
142	3.3.3.1.2.1	Semi-Annual Sampling Event 5	10 days	Thu 9/22/22	Wed 10/5/22
143	3.3.3.1.2.2	ERIS Uploads	1 day	Wed 1/4/23	Wed 1/4/23
144	3.3.3.1.2.3	Semi-Annual Sampling Event 6	10 days	Mon 3/13/23	Fri 3/24/23
145	3.3.3.1.2.4	ERIS Uploads	1 day	Fri 6/23/23	Fri 6/23/23
146	**3.3.4**	**OU-4 Semi-Annual O&M Reporting**	**245 days**	**Fri 3/17/23**	**Thu 2/22/24**
147	**3.3.4.1**	**Annual Report**	**97 days**	**Fri 3/17/23**	**Mon 7/31/23**
148	3.3.4.1.1	Prepare Draft Annual O&M Report	10 days	Fri 3/17/23	Thu 3/30/23
149	3.3.4.1.2	Submit Draft Annual O&M Report	0 days	Thu 3/30/23	Thu 3/30/23
150	3.3.4.1.3	Army Review Period	29 days	Fri 3/31/23	Wed 5/10/23
151	3.3.4.1.4	Prepare and Submit Draft Final Annual O&M Report	11 days	Thu 5/11/23	Thu 5/25/23
152	3.3.4.1.5	Regulatory Review (MDE/EPA No Comment Letters)	47 days	Fri 5/26/23	Mon 7/31/23
153	3.3.4.1.6	Prepare and Submit Final Annual O&M Report	0 days	Mon 7/31/23	Mon 7/31/23
154	3.3.4.1.7	Acceptance of Final Annual O&M Report	0 days	Mon 7/31/23	Mon 7/31/23

SERES ARCADIS a joint venture

Maintain Remedial Action Operations and Long-Term Management
Fort Meade, Maryland and Phoenix Military Reservation, Maryland

ID	WBS	Task Name	Duration	Start	Finish
155	**3.3.4.2**	**Semi-Annual Report**	**132 days**	**Wed 8/23/23**	**Thu 2/22/24**
156	3.3.4.2.1	Prepare Draft Semi-Annual Report	10 days	Wed 8/23/23	Tue 9/5/23
157	3.3.4.2.2	Submit Draft Semi-Annual Report	0 days	Tue 9/5/23	Tue 9/5/23
158	3.3.4.2.3	Army Review Period	22 days	Tue 9/5/23	Wed 10/4/23
159	3.3.4.2.4	Prepare and Submit Draft Final Semi-Annual Report	8 days	Thu 10/5/23	Mon 10/16/23
160	3.3.4.2.5	Regulatory Review (MDE/EPA No Comment Letters)	93 days	Tue 10/17/23	Thu 2/22/24
161	3.3.4.2.6	Prepare and Submit Final Semi-Annual Report	0 days	Thu 2/22/24	Thu 2/22/24
162	3.3.4.2.7	Acceptance of Final Semi-Annual Report	0 days	Thu 2/22/24	Thu 2/22/24
163	**3.4**	**CLIN 0002CC OU-4 Option Year 3**	**449 days**	**Mon 9/25/23**	**Thu 6/12/25**
164	**3.4.1**	**AOC 1 - Building 2286 / Former Building 2276**	**218 days**	**Mon 9/25/23**	**Wed 7/24/24**
165	**3.4.1.1**	**Field Activities**	**218 days**	**Mon 9/25/23**	**Wed 7/24/24**
166	**3.4.1.1.1**	**Groundwater Sampling**	**218 days**	**Mon 9/25/23**	**Wed 7/24/24**
167	3.4.1.1.1.1	Semi-Annual Sampling Event 7	10 days	Mon 9/25/23	Fri 10/6/23
168	3.4.1.1.1.2	ERIS Uploads	1 day	Fri 1/5/24	Fri 1/5/24
169	3.4.1.1.1.3	Semi-Annual Sampling Event 8	12 days	Tue 4/9/24	Wed 4/24/24
170	3.4.1.1.1.4	ERIS Uploads	1 day	Wed 7/24/24	Wed 7/24/24
171	**3.4.2**	**AOC 2 - Building 2250**	**262 days**	**Mon 9/25/23**	**Tue 9/24/24**
172	**3.4.2.1**	**Field Activities**	**262 days**	**Mon 9/25/23**	**Tue 9/24/24**
173	**3.4.2.1.1**	**O&M of AS/SVE System**	**260 days**	**Wed 9/27/23**	**Tue 9/24/24**
174	3.4.2.1.1.1	Monthly System O&M	260 days	Wed 9/27/23	Tue 9/24/24
175	**3.4.2.1.2**	**Groundwater Sampling**	**217 days**	**Mon 9/25/23**	**Tue 7/23/24**
176	3.4.2.1.2.1	Semi-Annual Sampling Event 7	10 days	Mon 9/25/23	Fri 10/6/23
177	3.4.2.1.2.2	ERIS Uploads	1 day	Fri 1/5/24	Fri 1/5/24
178	3.4.2.1.2.3	Semi-Annual Sampling Event 8	11 days	Tue 4/9/24	Tue 4/23/24
179	3.4.2.1.2.4	ERIS Uploads	1 day	Tue 7/23/24	Tue 7/23/24
180	**3.4.3**	**AOC 3 Lower Patapsco Aquifer Study**	**262 days**	**Mon 9/25/23**	**Tue 9/24/24**
181	**3.4.3.1**	**Field Activities**	**262 days**	**Mon 9/25/23**	**Tue 9/24/24**
182	**3.4.3.1.1**	**System O&M**	**260 days**	**Wed 9/27/23**	**Tue 9/24/24**
183	3.4.3.1.1.1	Monthly System O&M	260 days	Wed 9/27/23	Tue 9/24/24
184	**3.4.3.1.2**	**Groundwater Sampling**	**218 days**	**Mon 9/25/23**	**Wed 7/24/24**
185	3.4.3.1.2.1	Semi-Annual Sampling Event 7	10 days	Mon 9/25/23	Fri 10/6/23
186	3.4.3.1.2.2	ERIS Uploads	1 day	Fri 1/5/24	Fri 1/5/24
187	3.4.3.1.2.3	Semi-Annual Sampling Event 8	12 days	Tue 4/9/24	Wed 4/24/24
188	3.4.3.1.2.4	ERIS Uploads	1 day	Wed 7/24/24	Wed 7/24/24
189	**3.4.4**	**OU-4 Semi-Annual O&M Reporting**	**310 days**	**Fri 4/5/24**	**Thu 6/12/25**
190	**3.4.4.1**	**Annual Report**	**300 days**	**Fri 4/5/24**	**Thu 5/29/25**
191	3.4.4.1.1	Prepare Draft Annual O&M Report	10 days	Fri 4/5/24	Thu 4/18/24
192	3.4.4.1.2	Submit Draft Annual O&M Report	0 days	Thu 4/18/24	Thu 4/18/24
193	3.4.4.1.3	Army Review Period	35 days	Fri 4/19/24	Thu 6/6/24
194	3.4.4.1.4	Prepare and Submit Draft Final Annual O&M Report	93 days	Fri 6/7/24	Tue 10/15/24
195	3.4.4.1.5	Regulatory Review	102 days	Wed 10/16/24	Thu 3/6/25
196	3.4.4.1.6	Prepare and Submit Final Annual O&M Report	60 days	Fri 3/7/25	Thu 5/29/25
197	3.4.4.1.7	Acceptance of Final Annual O&M Report	0 days	Thu 5/29/25	Thu 5/29/25
198	**3.4.4.2**	**Semi-Annual Report**	**196 days**	**Thu 9/12/24**	**Thu 6/12/25**
199	3.4.4.2.1	Prepare Draft Semi-Annual Report	17 days	Thu 9/12/24	Fri 10/4/24
200	3.4.4.2.2	Submit Draft Semi-Annual Report	0 days	Fri 10/4/24	Fri 10/4/24
201	3.4.4.2.3	Army Review Period	7 days	Mon 10/7/24	Tue 10/15/24
202	3.4.4.2.4	Prepare and Submit Draft Final Semi-Annual Report	20 days	Wed 10/16/24	Tue 11/12/24
203	3.4.4.2.5	Regulatory Review	82 days	Wed 11/13/24	Thu 3/6/25
204	3.4.4.2.6	Prepare and Submit Final Semi-Annual Report	70 days	Fri 3/7/25	Thu 6/12/25
205	3.4.4.2.7	Acceptance of Final Semi-Annual Report	0 days	Thu 6/12/25	Thu 6/12/25
206	**3.5**	**CLIN 0002DD OU-4 Option Year 4**	**263 days**	**Wed 9/25/24**	**Fri 9/26/25**
207	**3.5.1**	**AOC 1 - Building 2286 / Former Building 2276**	**195 days**	**Thu 10/10/24**	**Wed 7/9/25**
208	**3.5.1.1**	**Field Activities**	**195 days**	**Thu 10/10/24**	**Wed 7/9/25**
209	**3.5.1.1.1**	**Groundwater Sampling**	**195 days**	**Thu 10/10/24**	**Wed 7/9/25**
210	3.5.1.1.1.1	Semi-Annual Sampling Event 9	12 days	Thu 10/10/24	Fri 10/25/24
211	3.5.1.1.1.2	ERIS Uploads	1 day	Fri 1/24/25	Fri 1/24/25
212	3.5.1.1.1.3	Semi-Annual Sampling Event 10	15 days	Thu 3/20/25	Wed 4/9/25
213	3.5.1.1.1.4	ERIS Uploads	1 day	Wed 7/9/25	Wed 7/9/25
214	**3.5.2**	**AOC 2 - Building 2250**	**263 days**	**Wed 9/25/24**	**Fri 9/26/25**
215	**3.5.2.1**	**Field Activities**	**263 days**	**Wed 9/25/24**	**Fri 9/26/25**
216	**3.5.2.1.1**	**O&M of AS/SVE System**	**263 days**	**Wed 9/25/24**	**Fri 9/26/25**
217	3.5.2.1.1.1	Monthly System O&M	263 days	Wed 9/25/24	Fri 9/26/25
218	**3.5.2.1.2**	**Groundwater Sampling**	**195 days**	**Thu 10/10/24**	**Wed 7/9/25**
219	3.5.2.1.2.1	Semi-Annual Sampling Event 9	12 days	Thu 10/10/24	Fri 10/25/24
220	3.5.2.1.2.2	ERIS Uploads	1 day	Fri 1/24/25	Fri 1/24/25
221	3.5.2.1.2.3	Semi-Annual Sampling Event 10	15 days	Thu 3/20/25	Wed 4/9/25
222	3.5.2.1.2.4	ERIS Uploads	1 day	Wed 7/9/25	Wed 7/9/25
223	**3.5.3**	**AOC 3 Lower Patapsco Aquifer Study**	**263 days**	**Wed 9/25/24**	**Fri 9/26/25**
224	**3.5.3.1**	**Field Activities**	**263 days**	**Wed 9/25/24**	**Fri 9/26/25**
225	**3.5.3.1.1**	**System O&M**	**263 days**	**Wed 9/25/24**	**Fri 9/26/25**
226	3.5.3.1.1.1	Monthly System O&M	263 days	Wed 9/25/24	Fri 9/26/25
227	**3.5.3.1.2**	**Groundwater Sampling**	**195 days**	**Thu 10/10/24**	**Wed 7/9/25**
228	3.5.3.1.2.1	Semi-Annual Sampling Event 9	12 days	Thu 10/10/24	Fri 10/25/24
229	3.5.3.1.2.2	ERIS Uploads	1 day	Fri 1/24/25	Fri 1/24/25
230	3.5.3.1.2.3	Semi-Annual Sampling Event 10	15 days	Thu 3/20/25	Wed 4/9/25
231	3.5.3.1.2.4	ERIS Uploads	1 day	Wed 7/9/25	Wed 7/9/25
232	**3.5.4**	**OU-4 Semi-Annual O&M Reporting**	**150 days**	**Mon 3/3/25**	**Fri 9/26/25**

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ID	WBS	Task Name	Duration	Start	Finish
233	**3.5.4.1**	**Annual Report**	**128 days**	**Mon 3/3/25**	**Wed 8/27/25**
234	3.5.4.1.1	Prepare Draft Annual O&M Report	68 days	Mon 3/3/25	Wed 6/4/25
235	3.5.4.1.2	Submit Draft Annual O&M Report	0 days	Wed 6/4/25	Wed 6/4/25
236	3.5.4.1.3	Army Review Period	5 days	Thu 6/5/25	Wed 6/11/25
237	3.5.4.1.4	Prepare and Submit Draft Final Annual O&M Report	5 days	Thu 6/12/25	Wed 6/18/25
238	3.5.4.1.5	Regulatory Review	45 days	Thu 6/19/25	Wed 8/20/25
239	3.5.4.1.6	Prepare and Submit Final Annual O&M Report	5 days	Thu 8/21/25	Wed 8/27/25
240	3.5.4.1.7	Acceptance of Final Annual O&M Report	0 days	Wed 8/27/25	Wed 8/27/25
241	**3.5.4.2**	**Semi-Annual Report**	**92 days**	**Thu 5/22/25**	**Fri 9/26/25**
242	3.5.4.2.1	Prepare Draft Semi-Annual Report	30 days	Thu 5/22/25	Wed 7/2/25
243	3.5.4.2.2	Submit Draft Semi-Annual Report	0 days	Wed 7/2/25	Wed 7/2/25
244	3.5.4.2.3	Army Review Period	10 days	Thu 7/3/25	Wed 7/16/25
245	3.5.4.2.4	Prepare and Submit Draft Final Semi-Annual Report	5 days	Thu 7/17/25	Wed 7/23/25
246	3.5.4.2.5	Regulatory Review	45 days	Thu 7/24/25	Wed 9/24/25
247	3.5.4.2.6	Prepare and Submit Final Semi-Annual Report	2 days	Thu 9/25/25	Fri 9/26/25
248	3.5.4.2.7	Acceptance of Final Semi-Annual Report	0 days	Fri 9/26/25	Fri 9/26/25
249	**4**	**Task 2.2 Former Pesticide Shop Building 6621 (OU-10) (FGGM-13)**	**1236 days**	**Thu 12/10/20**	**Thu 9/4/25**
250	**4.1**	**CLIN 0003 - Task 2.2 Former Pesticide Shop Building 6621 (OU-10) (FGGM-13)**	**235 days**	**Thu 12/10/20**	**Wed 11/3/21**
251	**4.1.1**	**Field Activities**	**67 days**	**Thu 12/10/20**	**Fri 3/12/21**
252	**4.1.1.1**	**Groundwater Sampling**	**67 days**	**Thu 12/10/20**	**Fri 3/12/21**
253	4.1.1.1.1	Annual Sampling Event	2 days	Thu 12/10/20	Fri 12/11/20
254	4.1.1.1.2	ERIS Uploads	1 day	Fri 3/12/21	Fri 3/12/21
255	**4.1.1.2**	**LUCs and Soil Cover Inspections**	**2 days**	**Thu 12/10/20**	**Fri 12/11/20**
256	4.1.1.2.1	LUCs and Soil Cover Inspection Option Year 1	2 days	Thu 12/10/20	Fri 12/11/20
257	**4.1.2**	**Pesticide Shop LTM Reporting**	**137 days**	**Tue 4/27/21**	**Wed 11/3/21**
258	**4.1.2.1**	**Annual Report**	**137 days**	**Tue 4/27/21**	**Wed 11/3/21**
259	4.1.2.1.1	Prepare Draft Annual O&M Report	13 days	Tue 4/27/21	Thu 5/13/21
260	4.1.2.1.2	Submit Draft Annual O&M Report	0 days	Thu 5/13/21	Thu 5/13/21
261	4.1.2.1.3	Army Review Period	22 days	Fri 5/14/21	Mon 6/14/21
262	4.1.2.1.4	Prepare and Submit Draft Final Annual O&M Report	41 days	Tue 6/15/21	Tue 8/10/21
263	4.1.2.1.5	Regulatory Review (MDE/EPA No Comment Letters)	61 days	Wed 8/11/21	Wed 11/3/21
264	4.1.2.1.6	Prepare and Submit Final Annual O&M Report	0 days	Wed 11/3/21	Wed 11/3/21
265	4.1.2.1.7	Acceptance of Final Annual O&M Report	0 days	Wed 11/3/21	Wed 11/3/21
266	**4.2**	**CLIN 0003AA FGGM-13 Option Year 1**	**308 days**	**Thu 10/7/21**	**Mon 12/12/22**
267	**4.2.1**	**Field Activities**	**66 days**	**Thu 10/7/21**	**Thu 1/6/22**
268	**4.2.1.1**	**Groundwater Sampling**	**66 days**	**Thu 10/7/21**	**Thu 1/6/22**
269	4.2.1.1.1	Annual Sampling Event	1 day	Thu 10/7/21	Thu 10/7/21
270	4.2.1.1.2	ERIS Uploads	1 day	Thu 1/6/22	Thu 1/6/22
271	**4.2.1.2**	**LUCs and Soil Cover Inspections**	**1 day**	**Thu 10/7/21**	**Thu 10/7/21**
272	4.2.1.2.1	LUCs and Soil Cover Inspection Option Year 1	1 day	Thu 10/7/21	Thu 10/7/21
273	**4.2.2**	**Pesticide Shop LTM Reporting**	**184 days**	**Wed 3/30/22**	**Mon 12/12/22**
274	**4.2.2.1**	**Annual Report**	**184 days**	**Wed 3/30/22**	**Mon 12/12/22**
275	4.2.2.1.1	Prepare Draft Annual O&M Report	10 days	Wed 3/30/22	Tue 4/12/22
276	4.2.2.1.2	Submit Draft Annual O&M Report	0 days	Tue 4/12/22	Tue 4/12/22
277	4.2.2.1.3	Army Review Period	17 days	Wed 4/13/22	Thu 5/5/22
278	4.2.2.1.4	Prepare and Submit Draft Final Annual O&M Report	11 days	Thu 6/9/22	Thu 6/23/22
279	4.2.2.1.5	Regulatory Review	106 days	Fri 6/24/22	Fri 11/18/22
280	4.2.2.1.6	Prepare and Submit Final Annual O&M Report	16 days	Mon 11/21/22	Mon 12/12/22
281	4.2.2.1.7	Acceptance of Final Annual O&M Report	0 days	Mon 12/12/22	Mon 12/12/22
282	**4.3**	**CLIN 0003BB FGGM-13 Option Year 2**	**326 days**	**Thu 9/22/22**	**Thu 12/21/23**
283	**4.3.1**	**Field Activities**	**68 days**	**Thu 9/22/22**	**Mon 12/26/22**
284	**4.3.1.1**	**Groundwater Sampling**	**68 days**	**Thu 9/22/22**	**Mon 12/26/22**
285	4.3.1.1.1	Annual Sampling Event	2 days	Thu 9/22/22	Fri 9/23/22
286	4.3.1.1.2	ERIS Uploads	2 days	Fri 12/23/22	Mon 12/26/22
287	**4.3.1.2**	**LUCs and Soil Cover Inspections**	**2 days**	**Thu 9/22/22**	**Fri 9/23/22**
288	4.3.1.2.1	LUCs and Soil Cover Inspection Option Year 2	2 days	Thu 9/22/22	Fri 9/23/22
289	**4.3.2**	**Pesticide Shop LTM Reporting**	**164 days**	**Mon 5/8/23**	**Thu 12/21/23**
290	**4.3.2.1**	**Annual Report**	**164 days**	**Mon 5/8/23**	**Thu 12/21/23**
291	4.3.2.1.1	Prepare Draft Annual Report	13 days	Mon 5/8/23	Wed 5/24/23
292	4.3.2.1.2	Submit Draft Annual Report	0 days	Wed 5/24/23	Wed 5/24/23
293	4.3.2.1.3	Army Review Period	10 days	Wed 5/24/23	Tue 6/6/23
294	4.3.2.1.4	Prepare and Submit Draft Final Annual Report	44 days	Wed 6/7/23	Mon 8/7/23
295	4.3.2.1.5	Regulatory Review (MDE/EPA No Comment Letters)	98 days	Tue 8/8/23	Thu 12/21/23
296	4.3.2.1.6	Prepare and Submit Final Annual Report	0 days	Thu 12/21/23	Thu 12/21/23
297	4.3.2.1.7	Acceptance of Final Annual Report	0 days	Thu 12/21/23	Thu 12/21/23
298	**4.4**	**CLIN 0003CC FGGM-13 Option Year 3**	**391 days**	**Fri 9/29/23**	**Fri 3/28/25**
299	**4.4.1**	**Field Activities**	**68 days**	**Fri 9/29/23**	**Tue 1/2/24**
300	**4.4.1.1**	**Groundwater Sampling**	**68 days**	**Fri 9/29/23**	**Tue 1/2/24**
301	4.4.1.1.1	Annual Sampling Event	3 days	Fri 9/29/23	Tue 10/3/23
302	4.4.1.1.2	ERIS Uploads	1 day	Tue 1/2/24	Tue 1/2/24
303	**4.4.1.2**	**LUCs and Soil Cover Inspections**	**1 day**	**Fri 9/29/23**	**Fri 9/29/23**
304	4.4.1.2.1	LUCs and Soil Cover Inspection Option Year 3	1 day	Fri 9/29/23	Fri 9/29/23
305	**4.4.2**	**Pesticide Shop LTM Reporting**	**218 days**	**Wed 5/29/24**	**Fri 3/28/25**
306	**4.4.2.1**	**Annual Report**	**218 days**	**Wed 5/29/24**	**Fri 3/28/25**
307	4.4.2.1.1	Prepare Draft Annual Report	24 days	Wed 5/29/24	Mon 7/1/24
308	4.4.2.1.2	Submit Draft Annual Report	0 days	Mon 7/1/24	Mon 7/1/24
309	4.4.2.1.3	Army Review Period	23 days	Tue 7/2/24	Thu 8/1/24
310	4.4.2.1.4	Prepare and Submit Draft Final Annual Report	101 days	Fri 8/2/24	Fri 12/20/24

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ID	WBS	Task Name	Duration	Start	Finish
311	4.4.2.1.5	Regulatory Review	65 days	Mon 12/23/24	Fri 3/21/25
312	4.4.2.1.6	Prepare and Submit Final Annual Report	5 days	Mon 3/24/25	Fri 3/28/25
313	4.4.2.1.7	Acceptance of Final Annual Report	0 days	Fri 3/28/25	Fri 3/28/25
314	**4.5**	**CLIN 0003DD FGGM-13 Option Year 4**	**227 days**	**Wed 10/23/24**	**Thu 9/4/25**
315	**4.5.1**	**Field Activities**	**67 days**	**Wed 10/23/24**	**Thu 1/23/25**
316	**4.5.1.1**	**Groundwater Sampling**	**67 days**	**Wed 10/23/24**	**Thu 1/23/25**
317	4.5.1.1.1	Annual Sampling Event	2 days	Wed 10/23/24	Thu 10/24/24
318	4.5.1.1.2	ERIS Uploads	1 day	Thu 1/23/25	Thu 1/23/25
319	**4.5.1.2**	**LUCs and Soil Cover Inspections**	**1 day**	**Wed 10/23/24**	**Wed 10/23/24**
320	4.5.1.2.1	LUCs and Soil Cover Inspection Option Year 4	1 day	Wed 10/23/24	Wed 10/23/24
321	**4.5.2**	**Pesticide Shop LTM Reporting**	**135 days**	**Fri 2/28/25**	**Thu 9/4/25**
322	**4.5.2.1**	**Annual Report**	**135 days**	**Fri 2/28/25**	**Thu 9/4/25**
323	4.5.2.1.1	Prepare Draft Annual Report	70 days	Fri 2/28/25	Thu 6/5/25
324	4.5.2.1.2	Submit Draft Annual Report	0 days	Thu 6/5/25	Thu 6/5/25
325	4.5.2.1.3	Army Review Period	10 days	Fri 6/6/25	Thu 6/19/25
326	4.5.2.1.4	Prepare and Submit Draft Final Annual Report	5 days	Fri 6/20/25	Thu 6/26/25
327	4.5.2.1.5	Regulatory Review	45 days	Fri 6/27/25	Thu 8/28/25
328	4.5.2.1.6	Prepare and Submit Final Annual Report	5 days	Fri 8/29/25	Thu 9/4/25
329	4.5.2.1.7	Acceptance of Final Annual Report	0 days	Thu 9/4/25	Thu 9/4/25
330	**5**	**Task 2.3 Manor View Dump Site (FGGM-93)**	**1262 days**	**Wed 11/25/20**	**Thu 9/25/25**
331	**5.1**	**CLIN 0004 - Task 2.3 Manor View Dump Site (FGGM-93)**	**325 days**	**Wed 11/25/20**	**Tue 2/22/22**
332	**5.1.1**	**Field Activities**	**172 days**	**Wed 11/25/20**	**Thu 7/22/21**
333	**5.1.1.1**	**Groundwater Sampling**	**151 days**	**Thu 12/10/20**	**Thu 7/8/21**
334	5.1.1.1.1	Semi-Annual Sampling Event 1	2 days	Thu 12/10/20	Fri 12/11/20
335	5.1.1.1.2	ERIS Uploads	1 day	Fri 3/12/21	Fri 3/12/21
336	5.1.1.1.3	Semi-Annual Sampling Event 2	1 day	Thu 4/8/21	Thu 4/8/21
337	5.1.1.1.4	ERIS Uploads	1 day	Thu 7/8/21	Thu 7/8/21
338	**5.1.1.2**	**Soil Gas and Indoor Air Sampling**	**127 days**	**Wed 1/27/21**	**Thu 7/22/21**
339	5.1.1.2.1	Soil Gas Sampling Event	1 day	Wed 1/27/21	Wed 1/27/21
340	5.1.1.2.2	ERIS Uploads	1 day	Wed 4/28/21	Wed 4/28/21
341	5.1.1.2.3	Soil Gas Sampling Event	1 day	Thu 4/22/21	Thu 4/22/21
342	5.1.1.2.4	ERIS Uploads	1 day	Thu 7/22/21	Thu 7/22/21
343	5.1.1.2.5	Indoor Air Sampling Event	2 days	Wed 4/21/21	Thu 4/22/21
344	5.1.1.2.6	ERIS Uploads	1 day	Thu 7/22/21	Thu 7/22/21
345	**5.1.1.3**	**Mowing and Inspections**	**1 day**	**Wed 11/25/20**	**Wed 11/25/20**
346	5.1.1.3.1	Annual Inspection and Mowing Event	1 day	Wed 11/25/20	Wed 11/25/20
347	**5.1.2**	**Manor View Annual Reporting**	**113 days**	**Mon 4/12/21**	**Wed 9/15/21**
348	**5.1.2.1**	**2020 Annual Report**	**113 days**	**Mon 4/12/21**	**Wed 9/15/21**
349	5.1.2.1.1	Prepare Draft Annual O&M Report	13 days	Mon 4/12/21	Wed 4/28/21
350	5.1.2.1.2	Submit Draft Annual O&M Report	0 days	Wed 4/28/21	Wed 4/28/21
351	5.1.2.1.3	Army Review Period	21 days	Thu 4/29/21	Thu 5/27/21
352	5.1.2.1.4	Prepare and Submit Draft Final Annual O&M Report	26 days	Fri 5/28/21	Fri 7/2/21
353	5.1.2.1.5	Regulatory Review (MDE/EPA No Comment Letters)	53 days	Mon 7/5/21	Wed 9/15/21
354	5.1.2.1.6	Prepare and Submit Final Annual O&M Report	0 days	Wed 9/15/21	Wed 9/15/21
355	5.1.2.1.7	Acceptance of Final Annual O&M Report	0 days	Wed 9/15/21	Wed 9/15/21
356	**5.1.3**	**Manor View Annual Reporting**	**168 days**	**Fri 7/2/21**	**Tue 2/22/22**
357	**5.1.3.1**	**2021 Annual Report**	**168 days**	**Fri 7/2/21**	**Tue 2/22/22**
358	5.1.3.1.1	Prepare Draft Annual O&M Report	39 days	Fri 7/2/21	Wed 8/25/21
359	5.1.3.1.2	Submit Draft Annual O&M Report	0 days	Wed 8/25/21	Wed 8/25/21
360	5.1.3.1.3	Army Review Period	23 days	Thu 8/26/21	Mon 9/27/21
361	5.1.3.1.4	Prepare and Submit Draft Final Annual O&M Report	55 days	Tue 9/28/21	Mon 12/13/21
362	5.1.3.1.5	Regulatory Review (MDE/EPA No Comment Letters)	51 days	Tue 12/14/21	Tue 2/22/22
363	5.1.3.1.6	Prepare and Submit Final Annual O&M Report	0 days	Tue 2/22/22	Tue 2/22/22
364	5.1.3.1.7	Acceptance of Final Annual O&M Report	0 days	Tue 2/22/22	Tue 2/22/22
365	**5.2**	**CLIN 0004AA FGGM-93 Option Year 1**	**363 days**	**Mon 3/7/22**	**Wed 7/26/23**
366	**5.2.1**	**Field Activities**	**134 days**	**Mon 3/7/22**	**Thu 9/8/22**
367	**5.2.1.1**	**Groundwater Sampling**	**80 days**	**Mon 3/7/22**	**Fri 6/24/22**
368	~~5.2.1.1.1~~	~~Semi-Annual Sampling Event 3~~	~~10 days~~	~~Wed 10/6/21~~	~~Tue 10/19/21~~
369	~~5.2.1.1.2~~	~~ERIS Uploads~~	~~1 day~~	~~Tue 1/18/22~~	~~Tue 1/18/22~~
370	5.2.1.1.3	Semi-Annual Sampling Event 4	15 days	Mon 3/7/22	Fri 3/25/22
371	5.2.1.1.4	ERIS Uploads	1 day	Fri 6/24/22	Fri 6/24/22
372	**5.2.1.2**	**Soil Gas and Indoor Air Sampling**	**69 days**	**Mon 3/14/22**	**Thu 6/16/22**
373	5.2.1.2.1	Soil Gas Sampling Event	1 day	Thu 3/17/22	Thu 3/17/22
374	5.2.1.2.2	ERIS Uploads	1 day	Thu 6/16/22	Thu 6/16/22
375	5.2.1.2.3	Indoor Air Sampling Event	3 days	Mon 3/14/22	Wed 3/16/22
376	5.2.1.2.4	ERIS Uploads	1 day	Wed 6/15/22	Wed 6/15/22
377	**5.2.1.3**	**Mowing and Inspections**	**9 days**	**Mon 8/29/22**	**Thu 9/8/22**
378	5.2.1.3.1	Annual Inspection and Mowing Event	9 days	Mon 8/29/22	Thu 9/8/22
379	**5.2.2**	**Manor View Semi-Annual Reporting**	**173 days**	**Mon 11/28/22**	**Wed 7/26/23**
380	**5.2.2.1**	**2022 Annual Report**	**173 days**	**Mon 11/28/22**	**Wed 7/26/23**
381	5.2.2.1.1	Prepare Draft Annual O&M Report	12 days	Mon 11/28/22	Tue 12/13/22
382	5.2.2.1.2	Submit Draft Annual O&M Report	0 days	Tue 12/13/22	Tue 12/13/22
383	5.2.2.1.3	Army Review Period	39 days	Wed 12/14/22	Mon 2/6/23
384	5.2.2.1.4	Prepare and Submit Draft Final Annual O&M Report	18 days	Tue 2/7/23	Thu 3/2/23
385	5.2.2.1.5	Regulatory Review (No Comment Letter MDE/No Letter EPA)	104 days	Fri 3/3/23	Wed 7/26/23
386	5.2.2.1.6	Prepare and Submit Final Annual O&M Report	0 days	Wed 7/26/23	Wed 7/26/23
387	5.2.2.1.7	Acceptance of Final Annual O&M Report	0 days	Wed 4/19/23	Wed 4/19/23
388	**5.3**	**CLIN 0004BB FGGM-93 Option Year 2**	**263 days**	**Mon 4/3/23**	**Wed 4/3/24**

SERES ARCADIS a joint venture

Maintain Remedial Action Operations and Long-Term Management
Fort Meade, Maryland and Phoenix Military Reservation, Maryland

ID	WBS	Task Name	Duration	Start	Finish
389	**5.3.1**	**Field Activities**	**98 days**	**Mon 4/3/23**	**Wed 8/16/23**
390	**5.3.1.1**	**Groundwater Sampling**	**67 days**	**Wed 4/12/23**	**Thu 7/13/23**
391	~~5.3.1.1.1~~	~~Semi-Annual Sampling Event 5~~	~~10 days~~	~~Thu 9/22/22~~	~~Wed 10/5/22~~
392	~~5.3.1.1.2~~	~~ERIS Uploads~~	~~1 day~~	~~Wed 1/4/23~~	~~Wed 1/4/23~~
393	5.3.1.1.3	Semi-Annual Sampling Event 6	2 days	Wed 4/12/23	Thu 4/13/23
394	5.3.1.1.4	ERIS Uploads	1 day	Thu 7/13/23	Thu 7/13/23
395	**5.3.1.2**	**Soil Gas and Indoor Air Sampling**	**75 days**	**Mon 4/3/23**	**Fri 7/14/23**
396	5.3.1.2.1	Soil Gas Sampling Event	1 day	Tue 4/4/23	Tue 4/4/23
397	5.3.1.2.2	ERIS Uploads	1 day	Tue 7/4/23	Tue 7/4/23
398	5.3.1.2.3	Indoor Air Sampling Event	10 days	Mon 4/3/23	Fri 4/14/23
399	5.3.1.2.4	ERIS Uploads	1 day	Fri 7/14/23	Fri 7/14/23
400	**5.3.1.3**	**Mowing and Inspections**	**2 days**	**Tue 8/15/23**	**Wed 8/16/23**
401	5.3.1.3.1	Annual Inspection and Mowing Event	2 days	Tue 8/15/23	Wed 8/16/23
402	**5.3.2**	**Manor View Semi-Annual Reporting**	**97 days**	**Tue 11/21/23**	**Wed 4/3/24**
403	**5.3.2.1**	**2023 Annual Report**	**97 days**	**Tue 11/21/23**	**Wed 4/3/24**
404	5.3.2.1.1	Prepare Draft Annual O&M Report	10 days	Tue 11/21/23	Mon 12/4/23
405	5.3.2.1.2	Submit Draft Annual O&M Report	0 days	Mon 12/4/23	Mon 12/4/23
406	5.3.2.1.3	Army Review Period	11 days	Tue 12/5/23	Tue 12/19/23
407	5.3.2.1.4	Prepare and Submit Draft Final Annual O&M Report	24 days	Wed 12/20/23	Mon 1/22/24
408	5.3.2.1.5	Regulatory Review (MDE/EPA No Comment Letters)	52 days	Tue 1/23/24	Wed 4/3/24
409	5.3.2.1.6	Prepare and Submit Final Annual O&M Report	0 days	Wed 4/3/24	Wed 4/3/24
410	5.3.2.1.7	Acceptance of Final Annual O&M Report	0 days	Wed 4/3/24	Wed 4/3/24
411	**5.4**	**CLIN 0004CC FGGM-93 Option Year 3**	**474 days**	**Mon 9/25/23**	**Thu 7/17/25**
412	**5.4.1**	**Field Activities**	**218 days**	**Mon 9/25/23**	**Wed 7/24/24**
413	**5.4.1.1**	**Groundwater Sampling**	**73 days**	**Tue 4/9/24**	**Thu 7/18/24**
414	~~5.4.1.1.1~~	~~Semi-Annual Sampling Event 7~~	~~10 days~~	~~Mon 9/25/23~~	~~Fri 10/6/23~~
415	~~5.4.1.1.2~~	~~ERIS Uploads~~	~~1 day~~	~~Fri 1/5/24~~	~~Fri 1/5/24~~
416	5.4.1.1.3	Semi-Annual Sampling Event 8	8 days	Tue 4/9/24	Thu 4/18/24
417	5.4.1.1.4	ERIS Uploads	1 day	Thu 7/18/24	Thu 7/18/24
418	**5.4.1.2**	**Soil Gas and Indoor Air Sampling**	**77 days**	**Tue 4/9/24**	**Wed 7/24/24**
419	5.4.1.2.1	Soil Gas Sampling Event	1 day	Wed 4/24/24	Wed 4/24/24
420	5.4.1.2.2	ERIS Uploads	1 day	Wed 7/24/24	Wed 7/24/24
421	5.4.1.2.3	Indoor Air Sampling Event	3 days	Tue 4/9/24	Thu 4/11/24
422	5.4.1.2.4	ERIS Uploads	1 day	Thu 7/11/24	Thu 7/11/24
423	**5.4.1.3**	**Mowing and Inspections**	**1 day**	**Mon 9/25/23**	**Mon 9/25/23**
424	5.4.1.3.1	Annual Inspection and Mowing Event	1 day	Mon 9/25/23	Mon 9/25/23
425	**5.4.2**	**Manor View Semi-Annual Reporting**	**160 days**	**Fri 12/6/24**	**Thu 7/17/25**
426	**5.4.2.1**	**2024 Annual Report**	**160 days**	**Fri 12/6/24**	**Thu 7/17/25**
427	5.4.2.1.1	Prepare Draft Annual O&M Report	30 days	Fri 12/6/24	Thu 1/16/25
428	5.4.2.1.2	Submit Draft Annual O&M Report	0 days	Thu 1/16/25	Thu 1/16/25
429	5.4.2.1.3	Army Review Period	32 days	Fri 1/17/25	Mon 3/3/25
430	5.4.2.1.4	Prepare and Submit Draft Final Annual O&M Report	48 days	Tue 3/4/25	Thu 5/8/25
431	5.4.2.1.5	Regulatory Review	45 days	Fri 5/9/25	Thu 7/10/25
432	5.4.2.1.6	Prepare and Submit Final Annual O&M Report	5 days	Fri 7/11/25	Thu 7/17/25
433	5.4.2.1.7	Acceptance of Final Annual O&M Report	0 days	Thu 7/17/25	Thu 7/17/25
434	**5.5**	**CLIN 0004DD FGGM-93 Option Year 4**	**143 days**	**Tue 3/11/25**	**Thu 9/25/25**
435	**5.5.1**	**Field Activities**	**82 days**	**Tue 3/11/25**	**Wed 7/2/25**
436	**5.5.1.1**	**Groundwater Sampling**	**67 days**	**Tue 4/1/25**	**Wed 7/2/25**
437	~~5.5.1.1.1~~	~~Semi-Annual Sampling Event 9~~	~~10 days~~	~~Thu 10/10/24~~	~~Wed 10/23/24~~
438	~~5.5.1.1.2~~	~~ERIS Uploads~~	~~1 day~~	~~Wed 1/22/25~~	~~Wed 1/22/25~~
439	5.5.1.1.3	Semi-Annual Sampling Event 10	2 days	Tue 4/1/25	Wed 4/2/25
440	5.5.1.1.4	ERIS Uploads	1 day	Wed 7/2/25	Wed 7/2/25
441	**5.5.1.2**	**Soil Gas and Indoor Air Sampling**	**68 days**	**Tue 3/11/25**	**Thu 6/12/25**
442	5.5.1.2.1	Soil Gas Sampling Event	3 days	Tue 3/11/25	Thu 3/13/25
443	5.5.1.2.2	ERIS Uploads	1 day	Thu 6/12/25	Thu 6/12/25
444	5.5.1.2.3	Indoor Air Sampling Event	3 days	Tue 3/11/25	Thu 3/13/25
445	5.5.1.2.4	ERIS Uploads	1 day	Thu 6/12/25	Thu 6/12/25
446	**5.5.1.3**	**Mowing and Inspections**	**3 days**	**Wed 6/25/25**	**Fri 6/27/25**
447	5.5.1.3.1	Annual Inspection and Mowing Event	3 days	Wed 6/25/25	Fri 6/27/25
448	**5.5.2**	**Manor View Semi-Annual Reporting**	**94 days**	**Mon 5/19/25**	**Thu 9/25/25**
449	**5.5.2.1**	**2025 Annual Report**	**87 days**	**Mon 5/19/25**	**Tue 9/16/25**
450	5.5.2.1.1	Prepare Draft Annual O&M Report	16 days	Thu 6/5/25	Thu 6/26/25
451	5.5.2.1.2	Submit Draft Annual O&M Report	0 days	Thu 6/26/25	Thu 6/26/25
452	5.5.2.1.3	Army Review Period	10 days	Fri 6/27/25	Thu 7/10/25
453	5.5.2.1.4	Prepare and Submit Draft Final Annual O&M Report	5 days	Fri 7/11/25	Thu 7/17/25
454	5.5.2.1.5	Regulatory Review	45 days	Fri 7/18/25	Thu 9/18/25
455	5.5.2.1.6	Prepare and Submit Final Annual O&M Report	5 days	Fri 9/19/25	Thu 9/25/25
456	5.5.2.1.7	Acceptance of Final Annual O&M Report	0 days	Thu 9/25/25	Thu 9/25/25
457	**6**	**Task 2.4 Closed Sanitary Landfill (FGGM-17)**	**1255 days**	**Wed 12/2/20**	**Tue 9/23/25**
458	**6.1**	**CLIN 0005 - Task 2.4 Closed Sanitary Landfill (FGGM-17)**	**207 days**	**Wed 12/2/20**	**Thu 9/16/21**
459	**6.1.1**	**Field Activities**	**160 days**	**Wed 12/2/20**	**Tue 7/13/21**
460	**6.1.1.1**	**Groundwater Sampling**	**160 days**	**Wed 12/2/20**	**Tue 7/13/21**
461	6.1.1.1.1	Semi-Annual Sampling Event	15 days	Wed 12/2/20	Tue 12/22/20
462	6.1.1.1.2	ERIS Uploads	1 day	Tue 3/23/21	Tue 3/23/21
463	6.1.1.1.3	Annual Sampling Event	11 days	Tue 3/30/21	Tue 4/13/21
464	6.1.1.1.4	ERIS Uploads	1 day	Tue 7/13/21	Tue 7/13/21
465	**6.1.2**	**CSL Reporting**	**142 days**	**Wed 3/3/21**	**Thu 9/16/21**
466	**6.1.2.1**	**Semi-Annual Report**	**62 days**	**Wed 3/3/21**	**Thu 5/27/21**

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ID	WBS	Task Name	Duration	Start	Finish
467	6.1.2.1.1	Prepare Draft Semi-Annual Report	10 days	Wed 3/3/21	Tue 3/16/21
468	6.1.2.1.2	Submit Draft Semi-Annual Report	0 days	Tue 3/16/21	Tue 3/16/21
469	6.1.2.1.3	Army Review Period	2 days	Wed 3/17/21	Thu 3/18/21
470	6.1.2.1.4	Prepare and Submit Draft Final Semi-Annual Report	5 days	Fri 3/19/21	Thu 3/25/21
471	6.1.2.1.5	Regulatory Review (No Comments Received)	45 days	Fri 3/26/21	Thu 5/27/21
472	6.1.2.1.6	Prepare and Submit Final Semi-Annual Report	0 days	Thu 5/27/21	Thu 5/27/21
473	6.1.2.1.7	Acceptance of Final Semi-Annual Report	0 days	Thu 5/27/21	Thu 5/27/21
474	**6.1.2.2**	**Annual Report**	**58 days**	**Tue 6/29/21**	**Thu 9/16/21**
475	6.1.2.2.1	Prepare Draft Annual O&M Report	10 days	Tue 6/29/21	Mon 7/12/21
476	6.1.2.2.2	Submit Draft Annual O&M Report	0 days	Mon 7/12/21	Mon 7/12/21
477	6.1.2.2.3	Army Review Period	2 days	Tue 7/13/21	Wed 7/14/21
478	6.1.2.2.4	Prepare and Submit Draft Final Annual O&M Report	1 day	Thu 7/15/21	Thu 7/15/21
479	6.1.2.2.5	Regulatory Review (No Comments Received)	45 days	Fri 7/16/21	Thu 9/16/21
480	6.1.2.2.6	Prepare and Submit Final Annual O&M Report	0 days	Thu 9/16/21	Thu 9/16/21
481	6.1.2.2.7	Acceptance of Final Annual O&M Report	0 days	Thu 9/16/21	Thu 9/16/21
482	**6.2**	**CLIN 0005AA FGGM-17 Option Year 1**	**224 days**	**Wed 12/8/21**	**Mon 10/17/22**
483	**6.2.1**	**Field Activities**	**194 days**	**Tue 9/28/21**	**Fri 6/24/22**
484	**6.2.1.1**	**Groundwater Sampling**	**194 days**	**Tue 9/28/21**	**Fri 6/24/22**
485	6.2.1.1.1	Semi-Annual Sampling Event	4 days	Tue 9/28/21	Fri 10/1/21
486	6.2.1.1.2	ERIS Uploads	1 day	Fri 12/31/21	Fri 12/31/21
487	6.2.1.1.3	Annual Sampling Event	15 days	Mon 3/7/22	Fri 3/25/22
488	6.2.1.1.4	ERIS Uploads	1 day	Fri 6/24/22	Fri 6/24/22
489	**6.2.2**	**CSL Reporting**	**218 days**	**Wed 12/8/21**	**Fri 10/7/22**
490	**6.2.2.1**	**Semi-Annual Report**	**62 days**	**Wed 12/8/21**	**Thu 3/3/22**
491	6.2.2.1.1	Prepare Draft Semi-Annual Report	10 days	Wed 12/8/21	Tue 12/21/21
492	6.2.2.1.2	Submit Draft Semi-Annual Report	0 days	Tue 12/21/21	Tue 12/21/21
493	6.2.2.1.3	Army Review Period	5 days	Wed 12/22/21	Tue 12/28/21
494	6.2.2.1.4	Prepare and Submit Draft Final Semi-Annual Report	2 days	Wed 12/29/21	Thu 12/30/21
495	6.2.2.1.5	Regulatory Review (No Comments Received)	45 days	Fri 12/31/21	Thu 3/3/22
496	6.2.2.1.6	Prepare and Submit Final Semi-Annual Report	0 days	Thu 3/3/22	Thu 3/3/22
497	6.2.2.1.7	Acceptance of Final Semi-Annual Report	0 days	Thu 3/3/22	Thu 3/3/22
498	**6.2.2.2**	**Annual Report**	**87 days**	**Thu 6/9/22**	**Fri 10/7/22**
499	6.2.2.2.1	Prepare Draft Annual O&M Report	10 days	Thu 6/9/22	Wed 6/22/22
500	6.2.2.2.2	Submit Draft Annual O&M Report	0 days	Wed 6/22/22	Wed 6/22/22
501	6.2.2.2.3	Army Review Period	27 days	Thu 6/23/22	Fri 7/29/22
502	6.2.2.2.4	Prepare and Submit Draft Final Annual O&M Report	5 days	Mon 8/1/22	Fri 8/5/22
503	6.2.2.2.5	Regulatory Review (No Comments Received)	45 days	Mon 8/8/22	Fri 10/7/22
504	6.2.2.2.6	Prepare and Submit Final Annual O&M Report	0 days	Fri 10/7/22	Fri 10/7/22
505	6.2.2.2.7	Acceptance of Final Annual O&M Report	0 days	Fri 10/7/22	Fri 10/7/22
506	**6.3**	**CLIN 0005BB FGGM-17 Option Year 2**	**294 days**	**Mon 9/19/22**	**Thu 11/2/23**
507	**6.3.1**	**Field Activities**	**185 days**	**Mon 9/19/22**	**Fri 6/2/23**
508	**6.3.1.1**	**Groundwater Sampling**	**185 days**	**Mon 9/19/22**	**Fri 6/2/23**
509	6.3.1.1.1	Semi-Annual Sampling Event	5 days	Mon 9/19/22	Fri 9/23/22
510	6.3.1.1.2	ERIS Uploads	1 day	Fri 12/23/22	Fri 12/23/22
511	6.3.1.1.3	Annual Sampling Event	10 days	Mon 2/20/23	Fri 3/3/23
512	6.3.1.1.4	ERIS Uploads	1 day	Fri 6/2/23	Fri 6/2/23
513	**6.3.2**	**CSL Reporting**	**244 days**	**Mon 11/28/22**	**Thu 11/2/23**
514	**6.3.2.1**	**Semi-Annual Report**	**67 days**	**Mon 11/28/22**	**Tue 2/28/23**
515	6.3.2.1.1	Prepare Draft Semi-Annual Report	10 days	Mon 11/28/22	Fri 12/9/22
516	6.3.2.1.2	Submit Draft Semi-Annual Report	0 days	Fri 12/9/22	Fri 12/9/22
517	6.3.2.1.3	Army Review Period	6 days	Mon 12/12/22	Mon 12/19/22
518	6.3.2.1.4	Prepare and Submit Draft Final Semi-Annual Report	6 days	Tue 12/20/22	Tue 12/27/22
519	6.3.2.1.5	Regulatory Review (No Comments Received)	45 days	Wed 12/28/22	Tue 2/28/23
520	6.3.2.1.6	Prepare and Submit Final Semi-Annual Report	0 days	Tue 2/28/23	Tue 2/28/23
521	6.3.2.1.7	Acceptance of Final Semi-Annual Report	0 days	Tue 2/28/23	Tue 2/28/23
522	**6.3.2.2**	**Annual Report**	**61 days**	**Thu 8/10/23**	**Thu 11/2/23**
523	6.3.2.2.1	Prepare Draft Annual O&M Report	10 days	Thu 8/10/23	Wed 8/23/23
524	6.3.2.2.2	Submit Draft Annual O&M Report	0 days	Wed 8/23/23	Wed 8/23/23
525	6.3.2.2.3	Army Review Period	5 days	Thu 8/24/23	Wed 8/30/23
526	6.3.2.2.4	Prepare and Submit Draft Final Annual O&M Report	1 day	Thu 8/31/23	Thu 8/31/23
527	6.3.2.2.5	Regulatory Review (No Comments Received)	45 days	Fri 9/1/23	Thu 11/2/23
528	6.3.2.2.6	Prepare and Submit Final Annual O&M Report	0 days	Thu 11/2/23	Thu 11/2/23
529	6.3.2.2.7	Acceptance of Final Annual O&M Report	0 days	Thu 11/2/23	Thu 11/2/23
530	**6.4**	**CLIN 0005CC FGGM-17 Option Year 3**	**325 days**	**Mon 9/11/23**	**Fri 12/6/24**
531	**6.4.1**	**Field Activities**	**185 days**	**Mon 9/11/23**	**Fri 5/24/24**
532	**6.4.1.1**	**Groundwater Sampling**	**185 days**	**Mon 9/11/23**	**Fri 5/24/24**
533	6.4.1.1.1	Semi-Annual Sampling Event	5 days	Mon 9/11/23	Fri 9/15/23
534	6.4.1.1.2	ERIS Uploads	1 day	Fri 12/15/23	Fri 12/15/23
535	6.4.1.1.3	Annual Sampling Event	10 days	Mon 2/12/24	Fri 2/23/24
536	6.4.1.1.4	ERIS Uploads	1 day	Fri 5/24/24	Fri 5/24/24
537	**6.4.2**	**CSL Reporting**	**223 days**	**Wed 1/31/24**	**Fri 12/6/24**
538	**6.4.2.1**	**Semi-Annual Report**	**78 days**	**Wed 1/31/24**	**Fri 5/17/24**
539	6.4.2.1.1	Prepare Draft Semi-Annual Report	10 days	Wed 1/31/24	Tue 2/13/24
540	6.4.2.1.2	Submit Draft Semi-Annual Report	0 days	Tue 2/13/24	Tue 2/13/24
541	6.4.2.1.3	Army Review Period	13 days	Wed 2/14/24	Fri 3/1/24
542	6.4.2.1.4	Prepare and Submit Draft Final Semi-Annual Report	10 days	Mon 3/4/24	Fri 3/15/24
543	6.4.2.1.5	Regulatory Review (No Comments Received)	45 days	Mon 3/18/24	Fri 5/17/24
544	6.4.2.1.6	Prepare and Submit Final Semi-Annual Report	0 days	Fri 5/17/24	Fri 5/17/24

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ID	WBS	Task Name	Duration	Start	Finish
545	6.4.2.1.7	Acceptance of Final Semi-Annual Report	0 days	Fri 5/17/24	Fri 5/17/24
546	**6.4.2.2**	**Annual Report**	**85 days**	**Mon 8/12/24**	**Fri 12/6/24**
547	6.4.2.2.1	Prepare Draft Annual O&M Report	10 days	Mon 8/12/24	Fri 8/23/24
548	6.4.2.2.2	Submit Draft Annual O&M Report	0 days	Fri 8/23/24	Fri 8/23/24
549	6.4.2.2.3	Army Review Period	22 days	Mon 8/26/24	Tue 9/24/24
550	6.4.2.2.4	Prepare and Submit Draft Final Annual O&M Report	5 days	Wed 9/25/24	Tue 10/1/24
551	6.4.2.2.5	Regulatory Review	45 days	Wed 10/2/24	Tue 12/3/24
552	6.4.2.2.6	Prepare and Submit Final Annual O&M Report	3 days	Wed 12/4/24	Fri 12/6/24
553	6.4.2.2.7	Acceptance of Final Annual O&M Report	0 days	Fri 12/6/24	Fri 12/6/24
554	**6.5**	**CLIN 0005DD FGGM-17 Option Year 4**	**261 days**	**Tue 9/24/24**	**Tue 9/23/25**
555	**6.5.1**	**Field Activities**	**188 days**	**Tue 9/24/24**	**Thu 6/12/25**
556	**6.5.1.1**	**Groundwater Sampling**	**188 days**	**Tue 9/24/24**	**Thu 6/12/25**
557	6.5.1.1.1	Semi-Annual Sampling Event	11 days	Tue 9/24/24	Tue 10/8/24
558	6.5.1.1.2	ERIS Uploads	1 day	Tue 1/7/25	Tue 1/7/25
559	6.5.1.1.3	Annual Sampling Event	9 days	Mon 3/3/25	Thu 3/13/25
560	6.5.1.1.4	ERIS Uploads	1 day	Thu 6/12/25	Thu 6/12/25
561	**6.5.2**	**CSL Reporting**	**230 days**	**Wed 11/6/24**	**Tue 9/23/25**
562	**6.5.2.1**	**Semi-Annual Report**	**150 days**	**Wed 11/6/24**	**Tue 6/3/25**
563	6.5.2.1.1	Prepare Draft Semi-Annual Report	67 days	Wed 11/6/24	Thu 2/6/25
564	6.5.2.1.2	Submit Draft Semi-Annual Report	0 days	Thu 2/6/25	Thu 2/6/25
565	6.5.2.1.3	Army Review Period	22 days	Fri 2/7/25	Mon 3/10/25
566	6.5.2.1.4	Prepare and Submit Draft Final Semi-Annual Report	13 days	Tue 3/11/25	Thu 3/27/25
567	6.5.2.1.5	Regulatory Review	45 days	Fri 3/28/25	Thu 5/29/25
568	6.5.2.1.6	Prepare and Submit Final Semi-Annual Report	3 days	Fri 5/30/25	Tue 6/3/25
569	6.5.2.1.7	Acceptance of Final Semi-Annual Report	0 days	Tue 6/3/25	Tue 6/3/25
570	**6.5.2.2**	**Annual Report**	**118 days**	**Fri 4/11/25**	**Tue 9/23/25**
571	6.5.2.2.1	Prepare Draft Annual O&M Report	56 days	Fri 4/11/25	Fri 6/27/25
572	6.5.2.2.2	Submit Draft Annual O&M Report	0 days	Fri 6/27/25	Fri 6/27/25
573	6.5.2.2.3	Army Review Period	10 days	Mon 6/30/25	Fri 7/11/25
574	6.5.2.2.4	Prepare and Submit Draft Final Annual O&M Report	5 days	Mon 7/14/25	Fri 7/18/25
575	6.5.2.2.5	Regulatory Review	45 days	Mon 7/21/25	Fri 9/19/25
576	6.5.2.2.6	Prepare and Submit Final Annual O&M Report	2 days	Mon 9/22/25	Tue 9/23/25
577	6.5.2.2.7	Acceptance of Final Annual O&M Report	0 days	Tue 9/23/25	Tue 9/23/25
578	**7**	**Task 2.4.1 Closed Sanitary Landfill (FGGM-17) AS RA(O)/LTM**	**1102 days**	**Thu 7/8/21**	**Fri 9/26/25**
579	**7.1**	**CLIN 0005 - Task 2.4.1 Closed Sanitary Landfill (FGGM-17)**	**1102 days**	**Thu 7/8/21**	**Fri 9/26/25**
580	**7.1.1**	**Field Activities**	**1102 days**	**Thu 7/8/21**	**Fri 9/26/25**
581	**7.1.1.1**	**System O&M**	**1102 days**	**Thu 7/8/21**	**Fri 9/26/25**
582	7.1.1.1.1	Monthly System O&M	1102 days	Thu 7/8/21	Fri 9/26/25
583	**7.1.1.2**	**Groundwater Sampling**	**913 days**	**Mon 9/27/21**	**Wed 3/26/25**
584	7.1.1.2.1	Quarterly Sampling Event (Q3)	10 days	Mon 9/27/21	Fri 10/8/21
585	7.1.1.2.2	Quarterly Sampling Event (Q4)	3 days	Wed 12/15/21	Fri 12/17/21
586	7.1.1.2.3	Semi-Annual Sampling Event - Event 1	15 days	Mon 3/7/22	Fri 3/25/22
587	7.1.1.2.4	Semi-Annual Sampling Event - Event 2	10 days	Thu 9/22/22	Wed 10/5/22
588	7.1.1.2.5	Semi-Annual Sampling Event - Event 3	10 days	Mon 3/13/23	Fri 3/24/23
589	7.1.1.2.6	Semi-Annual Sampling Event - Event 4	10 days	Mon 9/25/23	Fri 10/6/23
590	7.1.1.2.7	Semi-Annual Sampling Event - Event 5	10 days	Tue 4/9/24	Mon 4/22/24
591	7.1.1.2.8	Semi-Annual Sampling Event - Event 6	5 days	Thu 10/10/24	Wed 10/16/24
592	7.1.1.2.9	Semi-Annual Sampling Event - Event 7	5 days	Thu 3/20/25	Wed 3/26/25
593	**7.1.2**	**CSL AS Reporting**	**800 days**	**Mon 9/5/22**	**Fri 9/26/25**
594	**7.1.2.1**	**2022 Semi-Annual Report**	**97 days**	**Mon 9/5/22**	**Tue 1/17/23**
595	7.1.2.1.1	Prepare Draft Semi-Annual Report	30 days	Mon 9/5/22	Fri 10/14/22
596	7.1.2.1.2	Submit Draft Semi-Annual Report	0 days	Fri 10/14/22	Fri 10/14/22
597	7.1.2.1.3	Army Review Period	13 days	Mon 10/17/22	Wed 11/2/22
598	7.1.2.1.4	Prepare and Submit Draft Final Semi-Annual Report	12 days	Thu 11/3/22	Fri 11/18/22
599	7.1.2.1.5	Regulatory Review (No Comment Letter MDE/No Comments EPA)	42 days	Mon 11/21/22	Tue 1/17/23
600	7.1.2.1.6	Prepare and Submit Final Semi-Annual Report	0 days	Tue 1/17/23	Tue 1/17/23
601	7.1.2.1.7	Acceptance of Final Semi-Annual Report	0 days	Tue 1/17/23	Tue 1/17/23
602	**7.1.2.2**	**2022 Annual Report**	**110 days**	**Tue 2/28/23**	**Mon 7/31/23**
603	7.1.2.2.1	Prepare Draft Annual O&M Report	10 days	Tue 2/28/23	Mon 3/13/23
604	7.1.2.2.2	Submit Draft Annual O&M Report	0 days	Mon 3/13/23	Mon 3/13/23
605	7.1.2.2.3	Army Review Period	24 days	Tue 3/14/23	Fri 4/14/23
606	7.1.2.2.4	Prepare and Submit Draft Final Annual O&M Report	29 days	Mon 4/17/23	Thu 5/25/23
607	7.1.2.2.5	Regulatory Review (MDE/EPA No Comment Letters)	47 days	Fri 5/26/23	Mon 7/31/23
608	7.1.2.2.6	Prepare and Submit Final Annual O&M Report	0 days	Mon 7/31/23	Mon 7/31/23
609	7.1.2.2.7	Acceptance of Final Annual O&M Report	0 days	Mon 7/31/23	Mon 7/31/23
610	**7.1.2.3**	**2023 Semi-Annual Report**	**147 days**	**Thu 10/26/23**	**Fri 5/17/24**
611	7.1.2.3.1	Prepare Draft Semi-Annual Report	10 days	Thu 10/26/23	Wed 11/8/23
612	7.1.2.3.2	Submit Draft Semi-Annual Report	0 days	Wed 11/8/23	Wed 11/8/23
613	7.1.2.3.3	Army Review Period	41 days	Thu 11/9/23	Thu 1/4/24
614	7.1.2.3.4	Prepare and Submit Draft Final Semi-Annual Report	51 days	Fri 1/5/24	Fri 3/15/24
615	7.1.2.3.5	Regulatory Review (No Comments Received)	45 days	Mon 3/18/24	Fri 5/17/24
616	7.1.2.3.6	Prepare and Submit Final Semi-Annual Report	0 days	Fri 5/17/24	Fri 5/17/24
617	7.1.2.3.7	Acceptance of Final Semi-Annual Report	0 days	Fri 5/17/24	Fri 5/17/24
618	**7.1.2.4**	**2023 Annual Report**	**116 days**	**Thu 2/29/24**	**Thu 8/8/24**
619	7.1.2.4.1	Prepare Draft Annual O&M Report	10 days	Thu 2/29/24	Wed 3/13/24
620	7.1.2.4.2	Submit Draft Annual O&M Report	0 days	Wed 3/13/24	Wed 3/13/24
621	7.1.2.4.3	Army Review Period	30 days	Thu 3/14/24	Wed 4/24/24
622	7.1.2.4.4	Prepare and Submit Draft Final Annual O&M Report	26 days	Thu 4/25/24	Thu 5/30/24

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ID	WBS	Task Name	Duration	Start	Finish
623	7.1.2.4.5	Regulatory Review	45 days	Fri 5/31/24	Thu 8/1/24
624	7.1.2.4.6	Prepare and Submit Final Annual O&M Report	5 days	Fri 8/2/24	Thu 8/8/24
625	7.1.2.4.7	Acceptance of Final Annual O&M Report	0 days	Thu 8/8/24	Thu 8/8/24
626	**7.1.2.5**	**2024 Semi-Annual Report**	**194 days**	**Tue 9/24/24**	**Fri 6/20/25**
627	7.1.2.5.1	Prepare Draft Semi-Annual Report	75 days	Tue 9/24/24	Mon 1/6/25
628	7.1.2.5.2	Submit Draft Semi-Annual Report	0 days	Mon 1/6/25	Mon 1/6/25
629	7.1.2.5.3	Army Review Period	29 days	Tue 1/7/25	Fri 2/14/25
630	7.1.2.5.4	Prepare and Submit Draft Final Semi-Annual Report	43 days	Mon 2/17/25	Wed 4/16/25
631	7.1.2.5.5	Regulatory Review	45 days	Thu 4/17/25	Wed 6/18/25
632	7.1.2.5.6	Prepare and Submit Final Semi-Annual Report	2 days	Thu 6/19/25	Fri 6/20/25
633	7.1.2.5.7	Acceptance of Final Semi-Annual Report	0 days	Fri 6/20/25	Fri 6/20/25
634	**7.1.2.6**	**2024 Annual Report**	**120 days**	**Thu 3/6/25**	**Wed 8/20/25**
635	7.1.2.6.1	Prepare Draft Annual O&M Report	41 days	Thu 3/6/25	Thu 5/1/25
636	7.1.2.6.2	Submit Draft Annual O&M Report	0 days	Thu 5/1/25	Thu 5/1/25
637	7.1.2.6.3	Army Review Period	11 days	Fri 5/2/25	Fri 5/16/25
638	7.1.2.6.4	Prepare and Submit Draft Final Annual O&M Report	18 days	Mon 5/19/25	Wed 6/11/25
639	7.1.2.6.5	Regulatory Review	45 days	Thu 6/12/25	Wed 8/13/25
640	7.1.2.6.6	Prepare and Submit Final Annual O&M Report	5 days	Thu 8/14/25	Wed 8/20/25
641	7.1.2.6.7	Acceptance of Final Annual O&M Report	0 days	Wed 8/20/25	Wed 8/20/25
642	**7.1.2.7**	**2025 Semi-Annual Report**	**82 days**	**Thu 6/5/25**	**Fri 9/26/25**
643	7.1.2.7.1	Prepare Draft Semi-Annual Report	20 days	Thu 6/5/25	Wed 7/2/25
644	7.1.2.7.2	Submit Draft Semi-Annual Report	0 days	Wed 7/2/25	Wed 7/2/25
645	7.1.2.7.3	Army Review Period	10 days	Thu 7/3/25	Wed 7/16/25
646	7.1.2.7.4	Prepare and Submit Draft Final Semi-Annual Report	5 days	Thu 7/17/25	Wed 7/23/25
647	7.1.2.7.5	Regulatory Review	45 days	Thu 7/24/25	Wed 9/24/25
648	7.1.2.7.6	Prepare and Submit Final Semi-Annual Report	2 days	Thu 9/25/25	Fri 9/26/25
649	7.1.2.7.7	Acceptance of Final Semi-Annual Report	0 days	Fri 9/26/25	Fri 9/26/25
650	**8**	**Task 2.5 Phoenix Military Reservation Former Septic System (PMR-001)**	**1245 days**	**Wed 12/16/20**	**Tue 9/23/25**
651	**8.1**	**CLIN 0006 - Task 2.5 Phoenix Military Reservation Former Septic System (PMR-001)**	**240 days**	**Wed 12/16/20**	**Tue 11/16/21**
652	**8.1.1**	**Field Activities**	**154 days**	**Wed 12/16/20**	**Mon 7/19/21**
653	**8.1.1.1**	**Groundwater Sampling**	**152 days**	**Fri 12/18/20**	**Mon 7/19/21**
654	8.1.1.1.1	Semi-Annual Sampling Event 1	1 day	Fri 12/18/20	Fri 12/18/20
655	8.1.1.1.2	ERIS Uploads	1 day	Mon 3/22/21	Mon 3/22/21
656	8.1.1.1.3	Semi-Annual Sampling Event 2	2 days	Thu 4/15/21	Fri 4/16/21
657	8.1.1.1.4	ERIS Uploads	1 day	Mon 7/19/21	Mon 7/19/21
658	**8.1.1.2**	**Annual Inspection**	**1 day**	**Wed 12/16/20**	**Wed 12/16/20**
659	8.1.1.2.1	Annual Inspection	1 day	Wed 12/16/20	Wed 12/16/20
660	**8.1.2**	**PMR Reporting**	**170 days**	**Wed 3/24/21**	**Tue 11/16/21**
661	**8.1.2.1**	**Annual Report**	**90 days**	**Wed 3/24/21**	**Tue 7/27/21**
662	8.1.2.1.1	Prepare Draft Annual O&M Report	13 days	Wed 3/24/21	Fri 4/9/21
663	8.1.2.1.2	Submit Draft Annual O&M Report	0 days	Fri 4/9/21	Fri 4/9/21
664	8.1.2.1.3	Army Review Period	19 days	Mon 4/12/21	Thu 5/6/21
665	8.1.2.1.4	Prepare and Submit Draft Final Annual O&M Report	15 days	Fri 5/7/21	Thu 5/27/21
666	8.1.2.1.5	Regulatory Review	34 days	Fri 5/28/21	Wed 7/14/21
667	8.1.2.1.6	Prepare and Submit Final Annual O&M Report	9 days	Thu 7/15/21	Tue 7/27/21
668	8.1.2.1.7	Acceptance of Final Annual O&M Report	0 days	Tue 7/27/21	Tue 7/27/21
669	**8.1.2.2**	**Semi-Annual Report**	**91 days**	**Tue 7/13/21**	**Tue 11/16/21**
670	8.1.2.2.1	Prepare Draft Semi-Annual Report	14 days	Tue 7/13/21	Fri 7/30/21
671	8.1.2.2.2	Submit Draft Semi-Annual Report	0 days	Fri 7/30/21	Fri 7/30/21
672	8.1.2.2.3	Army Review Period	21 days	Mon 8/2/21	Mon 8/30/21
673	8.1.2.2.4	Prepare and Submit Draft Final Semi-Annual Report	7 days	Tue 8/31/21	Wed 9/8/21
674	8.1.2.2.5	Regulatory Review	16 days	Thu 9/9/21	Thu 9/30/21
675	8.1.2.2.6	Prepare and Submit Final Semi-Annual Report	32 days	Fri 10/1/21	Mon 11/15/21
676	8.1.2.2.7	Acceptance of Final Semi-Annual Report	1 day	Tue 11/16/21	Tue 11/16/21
677	**8.2**	**CLIN 0006AA PMR-001 Option Year 1**	**325 days**	**Fri 10/8/21**	**Thu 1/5/23**
678	**8.2.1**	**Field Activities**	**187 days**	**Fri 10/8/21**	**Mon 6/27/22**
679	**8.2.1.1**	**Groundwater Sampling**	**187 days**	**Fri 10/8/21**	**Mon 6/27/22**
680	8.2.1.1.1	Semi-Annual Sampling Event 3	6 days	Fri 10/8/21	Fri 10/15/21
681	8.2.1.1.2	ERIS Uploads	1 day	Mon 1/17/22	Mon 1/17/22
682	8.2.1.1.3	Semi-Annual Sampling Event 4	15 days	Mon 3/7/22	Fri 3/25/22
683	8.2.1.1.4	ERIS Uploads	1 day	Mon 6/27/22	Mon 6/27/22
684	**8.2.1.2**	**Annual Inspection**	**1 day**	**Fri 10/15/21**	**Fri 10/15/21**
685	8.2.1.2.1	Annual Inspection	1 day	Fri 10/15/21	Fri 10/15/21
686	**8.2.2**	**PMR Reporting**	**191 days**	**Thu 4/14/22**	**Thu 1/5/23**
687	**8.2.2.1**	**Annual Report**	**81 days**	**Thu 4/14/22**	**Thu 8/4/22**
688	8.2.2.1.1	Prepare Draft Annual O&M Report	13 days	Thu 4/14/22	Mon 5/2/22
689	8.2.2.1.2	Submit Draft Annual O&M Report	0 days	Mon 5/2/22	Mon 5/2/22
690	8.2.2.1.3	Army Review Period	11 days	Tue 5/3/22	Tue 5/17/22
691	8.2.2.1.4	Prepare and Submit Draft Final Annual O&M Report	17 days	Wed 5/18/22	Thu 6/9/22
692	8.2.2.1.5	Regulatory Review (MDE/EPA No Comment Letters)	40 days	Fri 6/10/22	Thu 8/4/22
693	8.2.2.1.6	Prepare and Submit Final Annual O&M Report	0 days	Thu 8/4/22	Thu 8/4/22
694	8.2.2.1.7	Acceptance of Final Annual O&M Report	0 days	Thu 8/4/22	Thu 8/4/22
695	**8.2.2.2**	**Semi-Annual Report**	**153 days**	**Tue 6/7/22**	**Thu 1/5/23**
696	8.2.2.2.1	Prepare Draft Semi-Annual Report	66 days	Tue 6/7/22	Tue 9/6/22
697	8.2.2.2.2	Submit Draft Semi-Annual Report	0 days	Tue 9/6/22	Tue 9/6/22
698	8.2.2.2.3	Army Review Period	18 days	Wed 9/7/22	Fri 9/30/22
699	8.2.2.2.4	Prepare and Submit Draft Final Semi-Annual Report	20 days	Mon 10/3/22	Fri 10/28/22
700	8.2.2.2.5	Regulatory Review	27 days	Mon 10/31/22	Tue 12/6/22

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ID	WBS	Task Name	Duration	Start	Finish
701	8.2.2.2.6	Prepare and Submit Final Semi-Annual Report	22 days	Wed 12/7/22	Thu 1/5/23
702	8.2.2.2.7	Acceptance of Final Semi-Annual Report	0 days	Thu 1/5/23	Thu 1/5/23
703	**8.3**	**CLIN 0006BB PMR-001 Option Year 2**	**326 days**	**Thu 9/22/22**	**Thu 12/21/23**
704	**8.3.1**	**Field Activities**	**198 days**	**Thu 9/22/22**	**Mon 6/26/23**
705	**8.3.1.1**	**Groundwater Sampling**	**198 days**	**Thu 9/22/22**	**Mon 6/26/23**
706	8.3.1.1.1	Semi-Annual Sampling Event 5	10 days	Thu 9/22/22	Wed 10/5/22
707	8.3.1.1.2	ERIS Uploads	1 day	Thu 1/5/23	Thu 1/5/23
708	8.3.1.1.3	Semi-Annual Sampling Event 6	10 days	Mon 3/13/23	Fri 3/24/23
709	8.3.1.1.4	ERIS Uploads	1 day	Mon 6/26/23	Mon 6/26/23
710	**8.3.1.2**	**Annual Inspection**	**1 day**	**Thu 9/22/22**	**Thu 9/22/22**
711	8.3.1.2.1	Annual Inspection	1 day	Thu 9/22/22	Thu 9/22/22
712	**8.3.2**	**PMR Reporting**	**224 days**	**Mon 2/13/23**	**Thu 12/21/23**
713	**8.3.2.1**	**Annual Report**	**118 days**	**Mon 2/13/23**	**Wed 7/26/23**
714	8.3.2.1.1	Prepare Draft Annual O&M Report	10 days	Mon 2/13/23	Fri 2/24/23
715	8.3.2.1.2	Submit Draft Annual O&M Report	0 days	Fri 2/24/23	Fri 2/24/23
716	8.3.2.1.3	Army Review Period	30 days	Fri 2/24/23	Thu 4/6/23
717	8.3.2.1.4	Prepare and Submit Draft Final Annual O&M Report	35 days	Fri 4/7/23	Thu 5/25/23
718	8.3.2.1.5	Regulatory Review (MDE/EPA No Comment Letters)	44 days	Fri 5/26/23	Wed 7/26/23
719	8.3.2.1.6	Prepare and Submit Final Annual O&M Report	0 days	Wed 7/26/23	Wed 7/26/23
720	8.3.2.1.7	Acceptance of Final Annual O&M Report	0 days	Wed 7/26/23	Wed 7/26/23
721	**8.3.2.2**	**Semi-Annual Report**	**85 days**	**Fri 8/25/23**	**Thu 12/21/23**
722	8.3.2.2.1	Prepare Draft Semi-Annual Report	10 days	Fri 8/25/23	Thu 9/7/23
723	8.3.2.2.2	Submit Draft Semi-Annual Report	0 days	Thu 9/7/23	Thu 9/7/23
724	8.3.2.2.3	Army Review Period	26 days	Thu 9/7/23	Thu 10/12/23
725	8.3.2.2.4	Prepare and Submit Draft Final Semi-Annual Report	16 days	Fri 10/13/23	Fri 11/3/23
726	8.3.2.2.5	Regulatory Review (MDE/EPA No Comment Letters)	34 days	Mon 11/6/23	Thu 12/21/23
727	8.3.2.2.6	Prepare and Submit Final Semi-Annual Report	0 days	Thu 12/21/23	Thu 12/21/23
728	8.3.2.2.7	Acceptance of Final Semi-Annual Report	0 days	Thu 12/21/23	Thu 12/21/23
729	**8.4**	**CLIN 0006CC PMR-001 Option Year 3**	**331 days**	**Mon 9/25/23**	**Mon 12/30/24**
730	**8.4.1**	**Field Activities**	**217 days**	**Mon 9/25/23**	**Tue 7/23/24**
731	**8.4.1.1**	**Groundwater Sampling**	**217 days**	**Mon 9/25/23**	**Tue 7/23/24**
732	8.4.1.1.1	Semi-Annual Sampling Event 7	10 days	Mon 9/25/23	Fri 10/6/23
733	8.4.1.1.2	ERIS Uploads	1 day	Mon 1/8/24	Mon 1/8/24
734	8.4.1.1.3	Semi-Annual Sampling Event 8	10 days	Tue 4/9/24	Mon 4/22/24
735	8.4.1.1.4	ERIS Uploads	1 day	Tue 7/23/24	Tue 7/23/24
736	**8.4.1.2**	**Annual Inspection**	**1 day**	**Mon 9/25/23**	**Mon 9/25/23**
737	8.4.1.2.1	Annual Inspection	1 day	Mon 9/25/23	Mon 9/25/23
738	**8.4.2**	**PMR Reporting**	**231 days**	**Mon 2/12/24**	**Mon 12/30/24**
739	**8.4.2.1**	**Annual Report**	**68 days**	**Mon 2/12/24**	**Wed 5/15/24**
740	8.4.2.1.1	Prepare Draft Annual O&M Report	10 days	Mon 2/12/24	Fri 2/23/24
741	8.4.2.1.2	Submit Draft Annual O&M Report	0 days	Fri 2/23/24	Fri 2/23/24
742	8.4.2.1.3	Army Review Period	23 days	Mon 2/26/24	Wed 3/27/24
743	8.4.2.1.4	Prepare and Submit Draft Final Annual O&M Report	7 days	Thu 3/28/24	Fri 4/5/24
744	8.4.2.1.5	Regulatory Review (No Comment Letter MDE/No Comments EPA)	28 days	Mon 4/8/24	Wed 5/15/24
745	8.4.2.1.6	Prepare and Submit Final Annual O&M Report	0 days	Wed 5/15/24	Wed 5/15/24
746	8.4.2.1.7	Acceptance of Final Annual O&M Report	0 days	Wed 5/15/24	Wed 5/15/24
747	**8.4.2.2**	**Semi-Annual Report**	**80 days**	**Tue 9/10/24**	**Mon 12/30/24**
748	8.4.2.2.1	Prepare Draft Semi-Annual Report	10 days	Tue 9/10/24	Mon 9/23/24
749	8.4.2.2.2	Submit Draft Semi-Annual Report	0 days	Mon 9/23/24	Mon 9/23/24
750	8.4.2.2.3	Army Review Period	15 days	Tue 9/24/24	Mon 10/14/24
751	8.4.2.2.4	Prepare and Submit Draft Final Semi-Annual Report	5 days	Tue 10/15/24	Mon 10/21/24
752	8.4.2.2.5	Regulatory Review	45 days	Tue 10/22/24	Mon 12/23/24
753	8.4.2.2.6	Prepare and Submit Final Semi-Annual Report	5 days	Tue 12/24/24	Mon 12/30/24
754	8.4.2.2.7	Acceptance of Final Semi-Annual Report	0 days	Mon 12/30/24	Mon 12/30/24
755	**8.5**	**CLIN 0006DD PMR-001 Option Year 4**	**249 days**	**Thu 10/10/24**	**Tue 9/23/25**
756	**8.5.1**	**Field Activities**	**196 days**	**Thu 10/10/24**	**Thu 7/10/25**
757	**8.5.1.1**	**Groundwater Sampling**	**196 days**	**Thu 10/10/24**	**Thu 7/10/25**
758	8.5.1.1.1	Semi-Annual Sampling Event 9	12 days	Thu 10/10/24	Fri 10/25/24
759	8.5.1.1.2	ERIS Uploads	1 day	Mon 1/27/25	Mon 1/27/25
760	8.5.1.1.3	Semi-Annual Sampling Event 10	15 days	Thu 3/20/25	Wed 4/9/25
761	8.5.1.1.4	ERIS Uploads	1 day	Thu 7/10/25	Thu 7/10/25
762	**8.5.1.2**	**Annual Inspection**	**0 days**	**Fri 10/25/24**	**Fri 10/25/24**
763	8.5.1.2.1	Annual Inspection	0 days	Fri 10/25/24	Fri 10/25/24
764	**8.5.2**	**PMR Reporting**	**207 days**	**Mon 12/9/24**	**Tue 9/23/25**
765	**8.5.2.1**	**Annual Report**	**188 days**	**Mon 12/9/24**	**Wed 8/27/25**
766	8.5.2.1.1	Prepare Draft Annual O&M Report	59 days	Mon 12/9/24	Thu 2/27/25
767	8.5.2.1.2	Submit Draft Annual O&M Report	0 days	Thu 2/27/25	Thu 2/27/25
768	8.5.2.1.3	Army Review Period	24 days	Fri 2/28/25	Wed 4/2/25
769	8.5.2.1.4	Prepare and Submit Draft Final Annual O&M Report	55 days	Thu 4/3/25	Wed 6/18/25
770	8.5.2.1.5	Regulatory Review	45 days	Thu 6/19/25	Wed 8/20/25
771	8.5.2.1.6	Prepare and Submit Final Annual O&M Report	5 days	Thu 8/21/25	Wed 8/27/25
772	8.5.2.1.7	Acceptance of Final Annual O&M Report	0 days	Wed 8/27/25	Wed 8/27/25
773	**8.5.2.2**	**Semi-Annual Report**	**104 days**	**Thu 5/1/25**	**Tue 9/23/25**
774	8.5.2.2.1	Prepare Draft Semi-Annual Report	39 days	Thu 5/1/25	Tue 6/24/25
775	8.5.2.2.2	Submit Draft Semi-Annual Report	0 days	Tue 6/24/25	Tue 6/24/25
776	8.5.2.2.3	Army Review Period	10 days	Wed 6/25/25	Tue 7/8/25
777	8.5.2.2.4	Prepare and Submit Draft Final Semi-Annual Report	5 days	Wed 7/9/25	Tue 7/15/25
778	8.5.2.2.5	Regulatory Review	45 days	Wed 7/16/25	Tue 9/16/25

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ID	WBS	Task Name	Duration	Start	Finish
779	8.5.2.2.6	Prepare and Submit Final Semi-Annual Report	5 days	Wed 9/17/25	Tue 9/23/25
780	8.5.2.2.7	Acceptance of Final Semi-Annual Report	0 days	Tue 9/23/25	Tue 9/23/25
781	**9**	**Task 2.6 Former Mortar Range (FGGM-003-R)**	**1206 days**	**Wed 12/16/20**	**Wed 7/30/25**
782	**9.1**	**CLIN 0007 - Task 2.6 Former Mortar Range (FGGM-003-R)**	**183 days**	**Wed 12/16/20**	**Fri 8/27/21**
783	**9.1.1**	**Annual Inspection and Surface Sweep Event**	**3 days**	**Wed 12/16/20**	**Fri 12/18/20**
784	9.1.1.1	Annual Inspection and Surface Sweep Event	3 days	Wed 12/16/20	Fri 12/18/20
785	**9.1.2**	**Annual Report**	**131 days**	**Fri 2/26/21**	**Fri 8/27/21**
786	9.1.2.1	Prepare Draft Annual Report	10 days	Fri 2/26/21	Thu 3/11/21
787	9.1.2.2	Submit Draft Annual Report	0 days	Thu 3/11/21	Thu 3/11/21
788	9.1.2.3	Army Review Period	19 days	Fri 3/12/21	Wed 4/7/21
789	9.1.2.4	Prepare and Submit Draft Final Annual Report	16 days	Thu 4/8/21	Thu 4/29/21
790	9.1.2.5	Regulatory Review (MDE/EPA No Comment Letters)	86 days	Fri 4/30/21	Fri 8/27/21
791	9.1.2.6	Prepare and Submit Final Annual Report	0 days	Fri 8/27/21	Fri 8/27/21
792	9.1.2.7	Acceptance of Final Annual Report	0 days	Fri 8/27/21	Fri 8/27/21
793	**9.2**	**CLIN 0007AA FGGM-003-R Option Year 1**	**238 days**	**Mon 11/29/21**	**Wed 10/26/22**
794	**9.2.1**	**Annual Inspection and Surface Sweep Event**	**4 days**	**Mon 11/29/21**	**Thu 12/2/21**
795	9.2.1.1	Annual Inspection and Surface Sweep Event	4 days	Mon 11/29/21	Thu 12/2/21
796	**9.2.2**	**Annual Report**	**135 days**	**Thu 4/21/22**	**Wed 10/26/22**
797	9.2.2.1	Prepare Draft Annual Report	10 days	Thu 4/21/22	Wed 5/4/22
798	9.2.2.2	Submit Draft Annual Report	0 days	Wed 5/4/22	Wed 5/4/22
799	9.2.2.3	Army Review Period	46 days	Thu 5/5/22	Thu 7/7/22
800	9.2.2.4	Prepare and Submit Draft Final Annual Report	16 days	Fri 7/8/22	Fri 7/29/22
801	9.2.2.5	Regulatory Review (MDE/EPA No Comment Letters)	63 days	Mon 8/1/22	Wed 10/26/22
802	9.2.2.6	Prepare and Submit Final Annual Report	0 days	Wed 10/26/22	Wed 10/26/22
803	9.2.2.7	Acceptance of Final Annual Report	0 days	Wed 10/26/22	Wed 10/26/22
804	**9.3**	**CLIN 0007BB FGGM-003-R Option Year 2**	**279 days**	**Mon 11/28/22**	**Thu 12/21/23**
805	**9.3.1**	**Annual Inspection and Surface Sweep Event**	**4 days**	**Mon 11/28/22**	**Thu 12/1/22**
806	9.3.1.1	Annual Inspection and Surface Sweep Event	4 days	Mon 11/28/22	Thu 12/1/22
807	**9.3.2**	**Annual Report**	**210 days**	**Fri 3/3/23**	**Thu 12/21/23**
808	9.3.2.1	Prepare Draft Annual Report	10 days	Fri 3/3/23	Thu 3/16/23
809	9.3.2.2	Submit Draft Annual Report	0 days	Fri 3/17/23	Fri 3/17/23
810	9.3.2.3	Army Review Period	22 days	Fri 3/17/23	Mon 4/17/23
811	9.3.2.4	Prepare and Submit Draft Final Annual Report	99 days	Tue 4/18/23	Fri 9/1/23
812	9.3.2.5	Regulatory Review (MDE/EPA No Comment Letters)	79 days	Mon 9/4/23	Thu 12/21/23
813	9.3.2.6	Prepare and Submit Final Annual Report	0 days	Thu 12/21/23	Thu 12/21/23
814	9.3.2.7	Acceptance of Final Annual Report	0 days	Thu 12/21/23	Thu 12/21/23
815	**9.4**	**CLIN 0007CC FGGM-003-R Option Year 3**	**172 days**	**Mon 11/27/23**	**Tue 7/23/24**
816	**9.4.1**	**Annual Inspection and Surface Sweep Event**	**4 days**	**Mon 11/27/23**	**Thu 11/30/23**
817	9.4.1.1	Annual Inspection and Surface Sweep Event	4 days	Mon 11/27/23	Thu 11/30/23
818	**9.4.2**	**Annual Report**	**107 days**	**Mon 2/26/24**	**Tue 7/23/24**
819	9.4.2.1	Prepare Draft Annual Report	10 days	Mon 2/26/24	Fri 3/8/24
820	9.4.2.2	Submit Draft Annual Report	0 days	Fri 3/8/24	Fri 3/8/24
821	9.4.2.3	Army Review Period	33 days	Mon 3/11/24	Wed 4/24/24
822	9.4.2.4	Prepare and Submit Draft Final Annual Report	14 days	Thu 4/25/24	Tue 5/14/24
823	9.4.2.5	Regulatory Review	45 days	Wed 5/15/24	Tue 7/16/24
824	9.4.2.6	Prepare and Submit Final Annual Report	5 days	Wed 7/17/24	Tue 7/23/24
825	9.4.2.7	Acceptance of Final Annual Report	0 days	Tue 7/23/24	Tue 7/23/24
826	**9.5**	**CLIN 0007DD FGGM-003-R Option Year 4**	**183 days**	**Mon 11/18/24**	**Wed 7/30/25**
827	**9.5.1**	**Annual Inspection and Surface Sweep Event**	**5 days**	**Mon 11/18/24**	**Fri 11/22/24**
828	9.5.1.1	Annual Inspection and Surface Sweep Event	5 days	Mon 11/18/24	Fri 11/22/24
829	**9.5.2**	**Annual Report**	**178 days**	**Mon 11/25/24**	**Wed 7/30/25**
830	9.5.2.1	Prepare Draft Annual Report	108 days	Mon 11/25/24	Wed 4/23/25
831	9.5.2.2	Submit Draft Annual Report	0 days	Wed 4/23/25	Wed 4/23/25
832	9.5.2.3	Army Review Period	15 days	Thu 4/24/25	Wed 5/14/25
833	9.5.2.4	Prepare and Submit Draft Final Annual Report	5 days	Thu 5/15/25	Wed 5/21/25
834	9.5.2.5	Regulatory Review	45 days	Thu 5/22/25	Wed 7/23/25
835	9.5.2.6	Prepare and Submit Final Annual Report	5 days	Thu 7/24/25	Wed 7/30/25
836	9.5.2.7	Acceptance of Final Annual Report	0 days	Wed 7/30/25	Wed 7/30/25
837	**10**	**Task 2.7 Inactive Landfill No. 2 (FGGM-007-R)**	**1276 days**	**Fri 11/6/20**	**Fri 9/26/25**
838	**10.1**	**CLIN 0008 - Task 2.7 Inactive Landfill No. 2 (FGGM-007-R)**	**263 days**	**Fri 11/6/20**	**Tue 11/9/21**
839	**10.1.1**	**Field Activities**	**263 days**	**Fri 11/6/20**	**Tue 11/9/21**
840	10.1.1.1	Biannual Vegetation Clearance and Mowing Event 1	2 days	Mon 12/14/20	Tue 12/15/20
841	10.1.1.2	Biannual Vegetation Clearance and Mowing Event 2	2 days	Mon 4/19/21	Tue 4/20/21
842	**10.1.1.3**	**Monthly Inspection**	**263 days**	**Fri 11/6/20**	**Tue 11/9/21**
843	10.1.1.3.1	Month 1	1 day	Fri 11/6/20	Fri 11/6/20
844	10.1.1.3.2	Monthly Report - Month 1	1 day	Mon 11/9/20	Mon 11/9/20
845	10.1.1.3.3	Month 2 (Semi-Annual LUC Inspection and Maintenance Event)	2 days	Mon 12/14/20	Tue 12/15/20
846	10.1.1.3.4	Reported in Annual Report	2 days	Mon 12/14/20	Tue 12/15/20
847	10.1.1.3.5	Month 3	1 day	Tue 1/26/21	Tue 1/26/21
848	10.1.1.3.6	Monthly Report - Month 3	1 day	Wed 2/3/21	Wed 2/3/21
849	10.1.1.3.7	Month 4	1 day	Fri 2/26/21	Fri 2/26/21
850	10.1.1.3.8	Monthly Report - Month 4	1 day	Tue 3/2/21	Tue 3/2/21
851	10.1.1.3.9	Month 5	1 day	Mon 3/29/21	Mon 3/29/21
852	10.1.1.3.10	Monthly Report - Month 5	1 day	Wed 3/31/21	Wed 3/31/21
853	10.1.1.3.11	Month 6 (Semi-Annual LUC Inspection and Maintenance Event)	2 days	Mon 4/19/21	Tue 4/20/21
854	10.1.1.3.12	Reported in Annual Report	2 days	Mon 4/19/21	Tue 4/20/21
855	10.1.1.3.13	Month 7	1 day	Tue 5/18/21	Tue 5/18/21
856	10.1.1.3.14	Monthly Report - Month 7	1 day	Fri 5/28/21	Fri 5/28/21

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ID	WBS	Task Name	Duration	Start	Finish
857	10.1.1.3.15	Month 8	1 day	Thu 6/10/21	Thu 6/10/21
858	10.1.1.3.16	Monthly Report - Month 8	1 day	Mon 6/28/21	Mon 6/28/21
859	10.1.1.3.17	Month 9	1 day	Fri 7/30/21	Fri 7/30/21
860	10.1.1.3.18	Monthly Report - Month 9	1 day	Tue 8/3/21	Tue 8/3/21
861	10.1.1.3.19	Month 10	1 day	Wed 8/18/21	Wed 8/18/21
862	10.1.1.3.20	Monthly Report - Month 10	1 day	Mon 8/30/21	Mon 8/30/21
863	10.1.1.3.21	Month 11	1 day	Wed 9/15/21	Wed 9/15/21
864	10.1.1.3.22	Monthly Report - Month 11	1 day	Thu 10/14/21	Thu 10/14/21
865	10.1.1.3.23	Month 12	1 day	Thu 10/28/21	Thu 10/28/21
866	10.1.1.3.24	Monthly Report - Month 12	1 day	Tue 11/9/21	Tue 11/9/21
867	**10.1.2**	**Annual Report**	**71 days**	**Thu 2/11/21**	**Thu 5/20/21**
868	10.1.2.1	Prepare Draft Annual Report	10 days	Thu 2/11/21	Wed 2/24/21
869	10.1.2.2	Submit Draft Annual Report	0 days	Wed 2/24/21	Wed 2/24/21
870	10.1.2.3	Army Review Period	3 days	Thu 2/25/21	Mon 3/1/21
871	10.1.2.4	Prepare and Submit Draft Final Annual Report	21 days	Tue 3/2/21	Tue 3/30/21
872	10.1.2.5	Regulatory Review (MDE/EPA No Comment Letters)	37 days	Wed 3/31/21	Thu 5/20/21
873	10.1.2.6	Prepare and Submit Final Annual Report	0 days	Thu 5/20/21	Thu 5/20/21
874	10.1.2.7	Acceptance of Final Annual Report	0 days	Thu 5/20/21	Thu 5/20/21
875	**10.2**	**CLIN 0008AA FGGM-007-R Option Year 1**	**233 days**	**Thu 12/2/21**	**Mon 10/24/22**
876	**10.2.1**	**Field Activities**	**233 days**	**Thu 12/2/21**	**Mon 10/24/22**
877	10.2.1.1	Biannual Vegetation Clearance and Mowing Event 1	2 days	Thu 12/2/21	Fri 12/3/21
878	10.2.1.2	Biannual Vegetation Clearance and Mowing Event 2	2 days	Mon 7/11/22	Tue 7/12/22
879	**10.2.1.3**	**Monthly Inspection**	**233 days**	**Thu 12/2/21**	**Mon 10/24/22**
880	10.2.1.3.1	Month 1 (Semi-Annual LUC Inspection and Maintenance Event)	2 days	Thu 12/2/21	Fri 12/3/21
881	10.2.1.3.2	Reported in Annual Report	2 days	Thu 12/2/21	Fri 12/3/21
882	10.2.1.3.3	Month 2	1 day	Thu 12/16/21	Thu 12/16/21
883	10.2.1.3.4	Monthly Report - Month 2	1 day	Wed 12/22/21	Wed 12/22/21
884	10.2.1.3.5	Month 3	1 day	Wed 1/26/22	Wed 1/26/22
885	10.2.1.3.6	Monthly Report - Month 3	1 day	Thu 2/3/22	Thu 2/3/22
886	10.2.1.3.7	Month 4	1 day	Wed 2/16/22	Wed 2/16/22
887	10.2.1.3.8	Monthly Report - Month 4	1 day	Mon 2/21/22	Mon 2/21/22
888	10.2.1.3.9	Month 5	1 day	Thu 3/31/22	Thu 3/31/22
889	10.2.1.3.10	Monthly Report - Month 5	1 day	Fri 4/1/22	Fri 4/1/22
890	10.2.1.3.11	Month 6	1 day	Fri 4/22/22	Fri 4/22/22
891	10.2.1.3.12	Monthly Report - Month 6	1 day	Mon 4/25/22	Mon 4/25/22
892	10.2.1.3.13	Month 7	1 day	Fri 5/20/22	Fri 5/20/22
893	10.2.1.3.14	Monthly Report - Month 7	1 day	Fri 5/27/22	Fri 5/27/22
894	10.2.1.3.15	Month 8	1 day	Fri 6/17/22	Fri 6/17/22
895	10.2.1.3.16	Monthly Report - Month 8	1 day	Mon 6/20/22	Mon 6/20/22
896	10.2.1.3.17	Month 9	1 day	Fri 7/22/22	Fri 7/22/22
897	10.2.1.3.18	Monthly Report - Month 9	1 day	Thu 7/28/22	Thu 7/28/22
898	10.2.1.3.19	Month 10	1 day	Fri 8/19/22	Fri 8/19/22
899	10.2.1.3.20	Monthly Report - Month 10	1 day	Thu 9/1/22	Thu 9/1/22
900	10.2.1.3.21	Month 11	1 day	Fri 9/16/22	Fri 9/16/22
901	10.2.1.3.22	Monthly Report - Month 11	1 day	Wed 9/21/22	Wed 9/21/22
902	10.2.1.3.23	Month 12	1 day	Fri 10/21/22	Fri 10/21/22
903	10.2.1.3.24	Monthly Report - Month 12	1 day	Mon 10/24/22	Mon 10/24/22
904	**10.2.2**	**Annual Report**	**134 days**	**Mon 1/31/22**	**Thu 8/4/22**
905	10.2.2.1	Prepare Draft Annual Report	10 days	Mon 1/31/22	Fri 2/11/22
906	10.2.2.2	Submit Draft Annual Report	0 days	Fri 2/11/22	Fri 2/11/22
907	10.2.2.3	Army Review Period	9 days	Mon 2/14/22	Thu 2/24/22
908	10.2.2.4	Prepare and Submit Draft Final Annual Report	8 days	Fri 2/25/22	Tue 3/8/22
909	10.2.2.5	Regulatory Review (No Comment Letter/No Comments)	107 days	Wed 3/9/22	Thu 8/4/22
910	10.2.2.6	Prepare and Submit Final Annual Report	0 days	Thu 8/4/22	Thu 8/4/22
911	10.2.2.7	Acceptance of Final Annual Report	0 days	Thu 8/4/22	Thu 8/4/22
912	**10.3**	**CLIN 0008BB FGGM-007-R Option Year 2**	**242 days**	**Fri 11/18/22**	**Mon 10/23/23**
913	**10.3.1**	**Field Activities**	**242 days**	**Fri 11/18/22**	**Mon 10/23/23**
914	10.3.1.1	Biannual Vegetation Clearance and Mowing Event 1	4 days	Fri 12/2/22	Wed 12/7/22
915	10.3.1.2	Biannual Vegetation Clearance and Mowing Event 2	4 days	Thu 7/6/23	Tue 7/11/23
916	**10.3.1.3**	**Monthly Inspection**	**242 days**	**Fri 11/18/22**	**Mon 10/23/23**
917	10.3.1.3.1	Month 1	1 day	Fri 11/18/22	Fri 11/18/22
918	10.3.1.3.2	Monthly Report - Month 1	1 day	Mon 11/21/22	Mon 11/21/22
919	10.3.1.3.3	Month 2	1 day	Fri 12/16/22	Fri 12/16/22
920	10.3.1.3.4	Monthly Report - Month 2	1 day	Mon 12/19/22	Mon 12/19/22
921	10.3.1.3.5	Month 3	1 day	Fri 1/20/23	Fri 1/20/23
922	10.3.1.3.6	Monthly Report - Month 3	1 day	Mon 1/23/23	Mon 1/23/23
923	10.3.1.3.7	Month 4	1 day	Fri 2/17/23	Fri 2/17/23
924	10.3.1.3.8	Monthly Report - Month 4	1 day	Mon 2/20/23	Mon 2/20/23
925	10.3.1.3.9	Month 5	1 day	Fri 3/17/23	Fri 3/17/23
926	10.3.1.3.10	Monthly Report - Month 5	1 day	Mon 3/20/23	Mon 3/20/23
927	10.3.1.3.11	Month 6	1 day	Fri 4/21/23	Fri 4/21/23
928	10.3.1.3.12	Monthly Report - Month 6	1 day	Mon 4/24/23	Mon 4/24/23
929	10.3.1.3.13	Month 7	1 day	Fri 5/19/23	Fri 5/19/23
930	10.3.1.3.14	Monthly Report - Month 7	1 day	Mon 5/22/23	Mon 5/22/23
931	10.3.1.3.15	Month 8	1 day	Fri 6/16/23	Fri 6/16/23
932	10.3.1.3.16	Monthly Report - Month 8	1 day	Mon 6/19/23	Mon 6/19/23
933	10.3.1.3.17	Month 9	1 day	Fri 7/21/23	Fri 7/21/23
934	10.3.1.3.18	Monthly Report - Month 9	1 day	Mon 7/24/23	Mon 7/24/23

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ID	WBS	Task Name	Duration	Start	Finish
935	10.3.1.3.19	Month 10	1 day	Fri 8/18/23	Fri 8/18/23
936	10.3.1.3.20	Monthly Report - Month 10	1 day	Mon 8/21/23	Mon 8/21/23
937	10.3.1.3.21	Month 11	1 day	Fri 9/15/23	Fri 9/15/23
938	10.3.1.3.22	Monthly Report - Month 11	1 day	Mon 9/18/23	Mon 9/18/23
939	10.3.1.3.23	Month 12	1 day	Fri 10/20/23	Fri 10/20/23
940	10.3.1.3.24	Monthly Report - Month 12	1 day	Mon 10/23/23	Mon 10/23/23
941	**10.3.2**	**Annual Report**	**116 days**	**Mon 2/20/23**	**Mon 7/31/23**
942	10.3.2.1	Prepare Draft Annual Report	16 days	Mon 2/20/23	Mon 3/13/23
943	10.3.2.2	Submit Draft Annual Report	0 days	Mon 3/13/23	Mon 3/13/23
944	10.3.2.3	Army Review Period	25 days	Tue 3/14/23	Mon 4/17/23
945	10.3.2.4	Prepare and Submit Draft Final Annual Report	32 days	Tue 4/18/23	Wed 5/31/23
946	10.3.2.5	Regulatory Review	43 days	Thu 6/1/23	Mon 7/31/23
947	10.3.2.6	Prepare and Submit Final Annual Report	0 days	Mon 7/31/23	Mon 7/31/23
948	10.3.2.7	Acceptance of Final Annual Report	0 days	Mon 7/31/23	Mon 7/31/23
949	**10.4**	**CLIN 0008CC FGGM-007-R Option Year 3**	**242 days**	**Fri 11/17/23**	**Mon 10/21/24**
950	**10.4.1**	**Field Activities**	**242 days**	**Fri 11/17/23**	**Mon 10/21/24**
951	10.4.1.1	Biannual Vegetation Clearance and Mowing Event 1	4 days	Fri 12/1/23	Wed 12/6/23
952	10.4.1.2	Biannual Vegetation Clearance and Mowing Event 2	4 days	Thu 7/4/24	Tue 7/9/24
953	**10.4.1.3**	**Monthly Inspection**	**242 days**	**Fri 11/17/23**	**Mon 10/21/24**
954	10.4.1.3.1	Month 1	1 day	Fri 11/17/23	Fri 11/17/23
955	10.4.1.3.2	Monthly Report - Month 1	1 day	Mon 11/20/23	Mon 11/20/23
956	10.4.1.3.3	Month 2	1 day	Fri 12/15/23	Fri 12/15/23
957	10.4.1.3.4	Monthly Report - Month 2	1 day	Mon 12/18/23	Mon 12/18/23
958	10.4.1.3.5	Month 3	1 day	Fri 1/19/24	Fri 1/19/24
959	10.4.1.3.6	Monthly Report - Month 3	1 day	Mon 1/22/24	Mon 1/22/24
960	10.4.1.3.7	Month 4	1 day	Fri 2/16/24	Fri 2/16/24
961	10.4.1.3.8	Monthly Report - Month 4	1 day	Mon 2/19/24	Mon 2/19/24
962	10.4.1.3.9	Month 5	1 day	Fri 3/15/24	Fri 3/15/24
963	10.4.1.3.10	Monthly Report - Month 5	1 day	Mon 3/18/24	Mon 3/18/24
964	10.4.1.3.11	Month 6	1 day	Fri 4/19/24	Fri 4/19/24
965	10.4.1.3.12	Monthly Report - Month 6	1 day	Mon 4/22/24	Mon 4/22/24
966	10.4.1.3.13	Month 7	1 day	Fri 5/17/24	Fri 5/17/24
967	10.4.1.3.14	Monthly Report - Month 7	1 day	Mon 5/20/24	Mon 5/20/24
968	10.4.1.3.15	Month 8	1 day	Fri 6/14/24	Fri 6/14/24
969	10.4.1.3.16	Monthly Report - Month 8	1 day	Mon 6/17/24	Mon 6/17/24
970	10.4.1.3.17	Month 9	1 day	Fri 7/19/24	Fri 7/19/24
971	10.4.1.3.18	Monthly Report - Month 9	1 day	Mon 7/22/24	Mon 7/22/24
972	10.4.1.3.19	Month 10	1 day	Fri 8/16/24	Fri 8/16/24
973	10.4.1.3.20	Monthly Report - Month 10	1 day	Mon 8/19/24	Mon 8/19/24
974	10.4.1.3.21	Month 11	1 day	Fri 9/13/24	Fri 9/13/24
975	10.4.1.3.22	Monthly Report - Month 11	1 day	Mon 9/16/24	Mon 9/16/24
976	10.4.1.3.23	Month 12	1 day	Fri 10/18/24	Fri 10/18/24
977	10.4.1.3.24	Monthly Report - Month 12	1 day	Mon 10/21/24	Mon 10/21/24
978	**10.4.2**	**Annual Report**	**105 days**	**Tue 2/27/24**	**Mon 7/22/24**
979	10.4.2.1	Prepare Draft Annual Report	10 days	Tue 2/27/24	Mon 3/11/24
980	10.4.2.2	Submit Draft Annual Report	0 days	Mon 3/11/24	Mon 3/11/24
981	10.4.2.3	Army Review Period	9 days	Tue 3/12/24	Fri 3/22/24
982	10.4.2.4	Prepare and Submit Draft Final Annual Report	37 days	Mon 3/25/24	Tue 5/14/24
983	10.4.2.5	Regulatory Review	45 days	Wed 5/15/24	Tue 7/16/24
984	10.4.2.6	Prepare and Submit Final Annual Report	4 days	Wed 7/17/24	Mon 7/22/24
985	10.4.2.7	Acceptance of Final Annual Report	0 days	Mon 7/22/24	Mon 7/22/24
986	**10.5**	**CLIN 0008DD FGGM-007-R Option Year 4**	**226 days**	**Fri 11/15/24**	**Fri 9/26/25**
987	**10.5.1**	**Field Activities**	**226 days**	**Fri 11/15/24**	**Fri 9/26/25**
988	10.5.1.1	Biannual Vegetation Clearance and Mowing Event 1	4 days	Mon 11/25/24	Thu 11/28/24
989	10.5.1.2	Biannual Vegetation Clearance and Mowing Event 2	4 days	Fri 6/27/25	Wed 7/2/25
990	**10.5.1.3**	**Monthly Inspection**	**226 days**	**Fri 11/15/24**	**Fri 9/26/25**
991	10.5.1.3.1	Month 1	1 day	Fri 11/15/24	Fri 11/15/24
992	10.5.1.3.2	Monthly Report - Month 1	1 day	Mon 11/18/24	Mon 11/18/24
993	10.5.1.3.3	Month 2	1 day	Fri 12/13/24	Fri 12/13/24
994	10.5.1.3.4	Monthly Report - Month 2	1 day	Mon 12/16/24	Mon 12/16/24
995	10.5.1.3.5	Month 3	1 day	Fri 1/17/25	Fri 1/17/25
996	10.5.1.3.6	Monthly Report - Month 3	1 day	Mon 1/20/25	Mon 1/20/25
997	10.5.1.3.7	Month 4	1 day	Fri 2/14/25	Fri 2/14/25
998	10.5.1.3.8	Monthly Report - Month 4	1 day	Mon 2/17/25	Mon 2/17/25
999	10.5.1.3.9	Month 5	1 day	Fri 3/14/25	Fri 3/14/25
1000	10.5.1.3.10	Monthly Report - Month 5	1 day	Mon 3/17/25	Mon 3/17/25
1001	10.5.1.3.11	Month 6	1 day	Fri 4/18/25	Fri 4/18/25
1002	10.5.1.3.12	Monthly Report - Month 6	1 day	Mon 4/21/25	Mon 4/21/25
1003	10.5.1.3.13	Month 7	1 day	Fri 5/16/25	Fri 5/16/25
1004	10.5.1.3.14	Monthly Report - Month 7	1 day	Mon 5/19/25	Mon 5/19/25
1005	10.5.1.3.15	Month 8	1 day	Fri 6/13/25	Fri 6/13/25
1006	10.5.1.3.16	Monthly Report - Month 8	1 day	Mon 6/16/25	Mon 6/16/25
1007	10.5.1.3.17	Month 9	1 day	Fri 7/18/25	Fri 7/18/25
1008	10.5.1.3.18	Monthly Report - Month 9	1 day	Mon 7/21/25	Mon 7/21/25
1009	10.5.1.3.19	Month 10	1 day	Fri 8/15/25	Fri 8/15/25
1010	10.5.1.3.20	Monthly Report - Month 10	1 day	Mon 8/18/25	Mon 8/18/25
1011	10.5.1.3.21	Month 11	1 day	Fri 9/12/25	Fri 9/12/25
1012	10.5.1.3.22	Monthly Report - Month 11	1 day	Mon 9/15/25	Mon 9/15/25

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ID	WBS	Task Name	Duration	Start	Finish
1013	10.5.1.3.23	Month 12	1 day	Thu 9/25/25	Thu 9/25/25
1014	10.5.1.3.24	Monthly Report - Month 12	1 day	Fri 9/26/25	Fri 9/26/25
1015	**10.5.2**	**Annual Report**	**110 days**	**Fri 2/21/25**	**Thu 7/24/25**
1016	10.5.2.1	Prepare Draft Annual Report	14 days	Fri 2/21/25	Wed 3/12/25
1017	10.5.2.2	Submit Draft Annual Report	0 days	Wed 3/12/25	Wed 3/12/25
1018	10.5.2.3	Army Review Period	31 days	Thu 3/13/25	Thu 4/24/25
1019	10.5.2.4	Prepare and Submit Draft Final Annual Report	16 days	Fri 4/25/25	Fri 5/16/25
1020	10.5.2.5	Regulatory Review	45 days	Mon 5/19/25	Fri 7/18/25
1021	10.5.2.6	Prepare and Submit Final Annual Report	4 days	Mon 7/21/25	Thu 7/24/25
1022	10.5.2.7	Acceptance of Final Annual Report	0 days	Thu 7/24/25	Thu 7/24/25
1023	**11**	**OPTION Task 3.1 In-Situ Chemical Oxidation (ISCO) Injections (OU-4)**	**675 days**	**Tue 9/13/22**	**Mon 4/14/25**
1024	**11.1**	**CLIN 0009 - Task 3.1 In-Situ Chemical Oxidation (ISCO) Injections (OU-4)**	**675 days**	**Tue 9/13/22**	**Mon 4/14/25**
1025	**11.1.1**	**CLIN 0009AA ISCO Injection Event (up to 5 injection wells)**	**462 days**	**Tue 9/13/22**	**Wed 6/19/24**
1026	11.1.1.1	Option Award Date	1 day	Tue 9/13/22	Tue 9/13/22
1027	**11.1.1.2**	**Work Plan**	**84 days**	**Thu 12/1/22**	**Tue 3/28/23**
1028	11.1.1.2.1	Prepare Draft Injection Work Plan	30 days	Thu 12/1/22	Wed 1/11/23
1029	11.1.1.2.2	Army Review of Injection Work Plan	13 days	Thu 1/12/23	Mon 1/30/23
1030	11.1.1.2.3	Respond to Army Comments on Draft Injection Work Plan	5 days	Tue 1/31/23	Mon 2/6/23
1031	11.1.1.2.4	Army Back Check of RTCs on Draft Injection Work Plan	8 days	Tue 2/7/23	Thu 2/16/23
1032	11.1.1.2.5	Army Approval of Draft Final Injection Work Plan	0 days	Thu 2/16/23	Thu 2/16/23
1033	11.1.1.2.6	Regulatory Review of Draft Final Injection Work Plan (No Comment Letter MDE/USEPA Verbal Approval)	27 days	Mon 2/20/23	Tue 3/28/23
1034	11.1.1.2.7	Submit Final Injection Work Plan	0 days	Tue 3/28/23	Tue 3/28/23
1035	11.1.1.2.8	Army/Regulator Acceptance of Final Injection Work Plan	0 days	Tue 3/28/23	Tue 3/28/23
1036	**11.1.1.3**	**Field Work**	**10 days**	**Mon 4/3/23**	**Fri 4/14/23**
1037	11.1.1.3.1	Mobilization and Injection Event	10 days	Mon 4/3/23	Fri 4/14/23
1038	**11.1.1.4**	**Injection Event Letter Report**	**68 days**	**Mon 3/18/24**	**Wed 6/19/24**
1039	11.1.1.4.1	Prepare Draft Injection Event Letter Report	31 edays	Mon 3/18/24	Thu 4/18/24
1040	11.1.1.4.2	Submit Draft Injection Event Letter Report	0 days	Thu 4/18/24	Thu 4/18/24
1041	11.1.1.4.3	Army Review of Draft Injection Event Letter Report	28 edays	Thu 4/18/24	Thu 5/16/24
1042	11.1.1.4.4	Prepare and Submit Final Injection Event Letter Report	21 edays	Thu 5/16/24	Thu 6/6/24
1043	11.1.1.4.5	Army Approval of Final Injection Event Letter Report	0 days	Wed 6/19/24	Wed 6/19/24
1044	**11.1.2**	**CLIN 0009BB Mobilization/Demobilization for ISCO Injection Event (Exercised up to 2 times)**	**10 days**	**Mon 6/24/24**	**Fri 7/5/24**
1047	**11.1.3**	**CLIN 0009CC Performance Monitoring (Semi-Annual)**	**195 days**	**Mon 5/15/23**	**Fri 2/9/24**
1092	**11.1.4**	**CLIN 0009DD Additional Injection (1 Injection well, Exercised up to 20 times)**	**15 days**	**Tue 3/25/25**	**Mon 4/14/25**
1093	**11.1.4.1**	**Field Work**	**11 days**	**Tue 3/25/25**	**Tue 4/8/25**
1094	11.1.4.1.1	Mobilization and Injection Event	11 days	Tue 3/25/25	Tue 4/8/25
1095	**11.1.4.2**	**Fieldwork Completion Memo**	**4 days**	**Wed 4/9/25**	**Mon 4/14/25**
1096	11.1.4.2.1	Prepare Draft Field Work Completion Memo	4 days	Wed 4/9/25	Mon 4/14/25
1097	11.1.4.2.2	Submit Draft Injection Event Letter Report	0 days	Mon 4/14/25	Mon 4/14/25
1098	11.1.4.2.3	Army Review of Draft Injection Event Letter Report	0 edays	Mon 4/14/25	Mon 4/14/25
1099	11.1.4.2.4	Prepare and Submit Final Injection Event Letter Report	0 days	Mon 4/14/25	Mon 4/14/25
1100	11.1.4.2.5	Army Approval of Final Injection Event Letter Report	0 days	Mon 4/14/25	Mon 4/14/25
1101	~~12~~	~~OPTION Task 3.2: Excavate Source Area at AOC 2 (OU-4) (Up to 4,000 CY)~~	~~518 days~~	~~Wed 10/4/23~~	~~Fri 9/26/25~~
1102	~~12.1~~	~~SUBCLIN 0010AA Site Preparation, Soil Sampling, and Work Plan~~	~~274 days~~	~~Wed 10/4/23~~	~~Mon 10/21/24~~
1103	~~12.1.1~~	~~Work Plan~~	~~254 days~~	~~Wed 10/4/23~~	~~Mon 9/23/24~~
1104	~~12.1.1.1~~	~~Prepare Draft Excavation Work Plan~~	~~56 days~~	~~Wed 10/4/23~~	~~Wed 12/20/23~~
1105	~~12.1.1.2~~	~~Army Review of Excavation Work Plan~~	~~32 days~~	~~Thu 12/21/23~~	~~Fri 2/2/24~~
1106	~~12.1.1.3~~	~~Respond to Army Comments on Draft Excavation Work Plan~~	~~14 days~~	~~Mon 2/5/24~~	~~Thu 2/22/24~~
1107	~~12.1.1.4~~	~~Army Back Check of RTCs on Draft Excavation Work Plan~~	~~21 days~~	~~Fri 2/23/24~~	~~Fri 3/22/24~~
1108	~~12.1.1.5~~	~~Army Approval of Draft Final Excavation Work Plan~~	~~0 days~~	~~Fri 3/22/24~~	~~Fri 3/22/24~~
1109	~~12.1.1.6~~	~~Regulatory Review of Draft Final Excavation Work Plan~~	~~61 days~~	~~Mon 3/25/24~~	~~Mon 6/17/24~~
1110	~~12.1.1.7~~	~~Respond to Regulator Comments on Draft Final Excavation Work Plan~~	~~14 days~~	~~Tue 6/18/24~~	~~Fri 7/5/24~~
1111	~~12.1.1.8~~	~~Army Review of RTCs on Draft Final Excavation Work Plan~~	~~21 days~~	~~Mon 7/8/24~~	~~Mon 8/5/24~~
1112	~~12.1.1.9~~	~~Regulator Back Check of RTCs on Draft Final Excavation Work Plan~~	~~30 days~~	~~Tue 8/6/24~~	~~Mon 9/16/24~~
1113	~~12.1.1.10~~	~~Submit Final Excavation Work Plan~~	~~5 days~~	~~Tue 9/17/24~~	~~Mon 9/23/24~~
1114	~~12.1.1.11~~	~~AF/Regulator Acceptance of Final Excavation Work Plan~~	~~0 days~~	~~Mon 9/23/24~~	~~Mon 9/23/24~~
1115	~~12.1.2~~	~~Field Work~~	~~40 days~~	~~Tue 8/27/24~~	~~Mon 10/21/24~~
1116	~~12.1.2.1~~	~~Pre-Mobilization Permitting~~	~~20 days~~	~~Tue 8/27/24~~	~~Mon 9/23/24~~
1117	~~12.1.2.2~~	~~Mobilization~~	~~2 days~~	~~Tue 10/8/24~~	~~Wed 10/9/24~~
1118	~~12.1.2.3~~	~~Site Prep~~	~~3 days~~	~~Thu 10/10/24~~	~~Mon 10/14/24~~
1119	~~12.1.2.4~~	~~DPT Waste Characterization~~	~~5 days~~	~~Tue 10/15/24~~	~~Mon 10/21/24~~
1120	~~12.1.2.5~~	~~Acceptance of Field Forms~~	~~0 days~~	~~Mon 10/21/24~~	~~Mon 10/21/24~~
1121	~~12.2~~	~~SUBCLIN 0010BB Decommissioning and Removal of AS/SVE system~~	~~21 days~~	~~Tue 11/19/24~~	~~Tue 12/17/24~~
1122	~~12.2.1~~	~~Option Award Date~~	~~1 day~~	~~Tue 11/19/24~~	~~Tue 11/19/24~~
1123	~~12.2.2~~	~~Decommissioning and Removal of AS/SVE system~~	~~20 days~~	~~Wed 11/20/24~~	~~Tue 12/17/24~~
1124	~~12.2.3~~	~~Acceptance of Field Forms~~	~~0 days~~	~~Tue 12/17/24~~	~~Tue 12/17/24~~
1125	~~12.3~~	~~SUBCLIN 0010CC Source Area Excavation (up to 4,000 CY)~~	~~21 days~~	~~Tue 11/19/24~~	~~Tue 12/17/24~~
1126	~~12.3.1~~	~~Option Award Date~~	~~1 day~~	~~Tue 11/19/24~~	~~Tue 11/19/24~~
1127	~~12.3.2~~	~~Source Area Excavation (up to 4,000 CY)~~	~~20 days~~	~~Wed 11/20/24~~	~~Tue 12/17/24~~
1128	~~12.3.3~~	~~Acceptance of Field Forms~~	~~0 days~~	~~Tue 12/17/24~~	~~Tue 12/17/24~~
1129	~~12.4~~	~~SUBCLIN 0010DD Excavation Dewatering and Characterization (Up to 1,000 Gal)~~	~~21 days~~	~~Tue 11/19/24~~	~~Tue 12/17/24~~
1130	~~12.4.1~~	~~Option Award Date~~	~~1 day~~	~~Tue 11/19/24~~	~~Tue 11/19/24~~
1131	~~12.4.2~~	~~Excavation Dewatering and Characterization (Up to 1,000 Gal)~~	~~20 days~~	~~Wed 11/20/24~~	~~Tue 12/17/24~~
1132	~~12.4.3~~	~~Acceptance of Field Forms~~	~~0 days~~	~~Tue 12/17/24~~	~~Tue 12/17/24~~
1133	~~12.5~~	~~SUBCLIN 0010EE Soil Characterization and Disposal (up to 4,000 CY)~~	~~31 days~~	~~Tue 11/19/24~~	~~Tue 12/31/24~~
1134	~~12.5.1~~	~~Option Award Date~~	~~1 day~~	~~Tue 11/19/24~~	~~Tue 11/19/24~~

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ID	WBS	Task Name	Duration	Start	Finish
1135	12.5.2	Soil Characterization and Confirmation Sampling	20 days	Wed 11/20/24	Tue 12/17/24
1136	12.5.3	Soil Disposal (up to 4,000 CY)	10 days	Wed 12/18/24	Tue 12/31/24
1137	12.5.4	Acceptance of Field Forms	0 days	Tue 12/31/24	Tue 12/31/24
1138	12.6	SUBCLIN 0010FF Extracted Groundwater Disposal (Up to 1,000 Gal)	11 days	Wed 12/18/24	Wed 1/1/25
1139	12.6.1	Option Award Date	1 day	Wed 12/18/24	Wed 12/18/24
1140	12.6.2	Extracted Groundwater Disposal (Up to 1,000 Gal)	10 days	Thu 12/19/24	Wed 1/1/25
1141	12.6.3	Acceptance of Field Forms	0 days	Wed 1/1/25	Wed 1/1/25
1142	12.7	SUBCLIN 0010GG Site Restoration	11 days	Wed 12/18/24	Wed 1/1/25
1143	12.7.1	Option Award Date	1 day	Wed 12/18/24	Wed 12/18/24
1144	12.7.2	Backfill and Site Restoration	10 days	Thu 12/19/24	Wed 1/1/25
1145	12.7.3	Acceptance of Field Forms	0 days	Wed 1/1/25	Wed 1/1/25
1146	12.8	SUBCLIN 0010HH Remedial Action Closure Report	192 days	Thu 1/2/25	Fri 9/26/25
1147	12.8.1	Option Award Date	1 day	Thu 1/2/25	Thu 1/2/25
1148	12.8.2	Remedial Action Closure Report	191 days	Fri 1/3/25	Fri 9/26/25
1149	12.8.2.1	Prepare Draft Remedial Action Closure Report	30 days	Fri 1/3/25	Thu 2/13/25
1150	12.8.2.2	Army Review of Remedial Action Closure Report	22 days	Fri 2/14/25	Mon 3/17/25
1151	12.8.2.3	Respond to Army Comments on Draft Remedial Action Closure Report	10 days	Tue 3/18/25	Mon 3/31/25
1152	12.8.2.4	Army Back Check of RTCs on Draft Remedial Action Closure Report	14 days	Tue 4/1/25	Fri 4/18/25
1153	12.8.2.5	Army Approval of Draft Final Remedial Action Closure Report	0 days	Fri 4/18/25	Fri 4/18/25
1154	12.8.2.6	Regulatory Review of Draft Final Remedial Action Closure Report	45 days	Mon 4/21/25	Fri 6/20/25
1155	12.8.2.7	Respond to Regulator Comments on Draft Final Remedial Action Closure Report	14 days	Mon 6/23/25	Thu 7/10/25
1156	12.8.2.8	Army Review of RTCs on Draft Final Remedial Action Closure Report	21 days	Fri 7/11/25	Fri 8/8/25
1157	12.8.2.9	Regulator Back Check of RTCs on Draft Final Remedial Action Closure Report	30 days	Mon 8/11/25	Fri 9/19/25
1158	12.8.2.10	Submit Final Remedial Action Closure Report	5 days	Mon 9/22/25	Fri 9/26/25
1159	12.8.2.11	AF/Regulator Acceptance of Final Remedial Action Closure Report	0 days	Fri 9/26/25	Fri 9/26/25
1160	13	OPTION Task 3.2.1: Additional Soil Removal Volumes (Up to 10 CY)	21 days	Tue 11/19/24	Tue 12/17/24
1161	13.1	CLIN 0011 Task 3.2.1: Additional Soil Removal Volumes (Up to 10 CY)	3 days	Tue 11/19/24	Thu 11/21/24
1162	13.1.1	Option Award Date	1 day	Tue 11/19/24	Tue 11/19/24
1163	13.1.2	Additional Soil Removal	2 days	Wed 11/20/24	Thu 11/21/24
1164	13.1.3	Acceptance of Field Forms	0 days	Thu 11/21/24	Thu 11/21/24
1165	13.2	SUBCLIN 0011AA Source Area Excavation, Characterization, and Site Restoration (10 CY)	21 days	Tue 11/19/24	Tue 12/17/24
1166	13.2.1	Option Award Date	1 day	Tue 11/19/24	Tue 11/19/24
1167	13.2.2	Additional Soil Removal	20 days	Wed 11/20/24	Tue 12/17/24
1168	13.2.3	Acceptance of Field Forms	0 days	Tue 12/17/24	Tue 12/17/24
1169	13.3	SUBCLIN 0011BB Disposal of Non-Hazardous Soil (10 CY)	21 days	Tue 11/19/24	Tue 12/17/24
1170	13.3.1	Option Award Date	1 day	Tue 11/19/24	Tue 11/19/24
1171	13.3.2	Additional Soil Removal	20 days	Wed 11/20/24	Tue 12/17/24
1172	13.3.3	Acceptance of Field Forms	0 days	Tue 12/17/24	Tue 12/17/24
1173	13.4	SUBCLIN 0011CC Disposal of Hazardous Soil (10 CY)	21 days	Tue 11/19/24	Tue 12/17/24
1174	13.4.1	Option Award Date	1 day	Tue 11/19/24	Tue 11/19/24
1175	13.4.2	Additional Soil Removal	20 days	Wed 11/20/24	Tue 12/17/24
1176	13.4.3	Acceptance of Field Forms	0 days	Tue 12/17/24	Tue 12/17/24
1177	13.5	SUBCLIN 0011DD Disposal of Non-Hazardous Groundwater (Per Gal) (Up to 10,000 Gal)	21 days	Tue 11/19/24	Tue 12/17/24
1178	13.5.1	Option Award Date	1 day	Tue 11/19/24	Tue 11/19/24
1179	13.5.2	Additional Soil Removal	20 days	Wed 11/20/24	Tue 12/17/24
1180	13.5.3	Acceptance of Field Forms	0 days	Tue 12/17/24	Tue 12/17/24
1181	13.6	SUBCLIN 0011EE Disposal of Hazardous Groundwater (Per Gal) (Up to 5,000 Gal)	21 days	Tue 11/19/24	Tue 12/17/24
1182	13.6.1	Option Award Date	1 day	Tue 11/19/24	Tue 11/19/24
1183	13.6.2	Additional Soil Removal	20 days	Wed 11/20/24	Tue 12/17/24
1184	13.6.3	Acceptance of Field Forms	0 days	Tue 12/17/24	Tue 12/17/24
1185	**14**	**OPTION: Task 3.3 Fence Repairs at IAL2 (10 foot Sections)**	**1301 days**	**Wed 9/30/20**	**Wed 9/24/25**
1186	14.1	Option Award Date	1 day	Wed 9/30/20	Wed 9/30/20
1187	14.2	Fence Installation, as Needed	1300 days	Thu 10/1/20	Wed 9/24/25
1188	14.3	Acceptance of Field Forms	0 days	Wed 9/24/25	Wed 9/24/25

Table 3-1 Project Schedules for Open Sites at Fort Meade

SERES Engineering & Services, LLC
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Remedial Investigation (RI) to Remedy-in-Place/Response Complete for FGGM-83/OU-1, FGGM-87/OU-3, and FGGM-7/OU-5 at Fort Meade, Maryland

ID	Task Name	Duration	Start	Finish
0	**Remedial Investigation (RI) to Remedy-in-Place/Response Complete for FGGM-83/Operable Unit (OU) 1, Former Skeet Range; FGGM-87/OU-3, Former NIKE Site; and FGGM-7/OU-5, DRMO and Plume**	**1304 days**	**Wed 9/29/21**	**Mon 9/28/26**
1	Project Award	1 day	Wed 9/29/21	Wed 9/29/21
2	**CLIN 0001 (BASE) Project Management Support and Planning**	**1300 days**	**Wed 9/29/21**	**Wed 9/23/26**
3	Notice to Proceed: CLIN Exercise Date - BASE CLIN	1 day	Thu 9/30/21	Thu 9/30/21
4	Kickoff Meeting	1 day	Thu 10/14/21	Thu 10/14/21
5	**Project Management Plan (PMP)**	**57 days**	**Wed 9/29/21**	**Fri 12/17/21**
6	Prepare Draft PMP	30 edays	Wed 9/29/21	Fri 10/29/21
7	Submit Draft PMP	0 days	Fri 10/29/21	Fri 10/29/21
8	Army Review of Draft PMP	14 edays	Wed 11/17/21	Wed 12/1/21
9	Prepare and Submit Final PMP	16 edays	Wed 12/1/21	Fri 12/17/21
10	Army Approval of Final PMP	0 days	Fri 12/17/21	Fri 12/17/21
11	**Monthly Teleconference Calls**	**1300 days**	**Thu 9/30/21**	**Wed 9/23/26**
12	Year 1	260 days	Thu 9/30/21	Wed 9/28/22
13	Year 2	260 days	Thu 9/29/22	Wed 9/27/23
14	Year 3	260 days	Thu 9/28/23	Wed 9/25/24
15	Year 4	260 days	Thu 9/26/24	Wed 9/24/25
16	Year 5	260 days	Thu 9/25/25	Wed 9/23/26
17	**Bi-Monthly RAB Support**	**1300 days**	**Thu 9/30/21**	**Wed 9/23/26**
18	Year 1	260 days	Thu 9/30/21	Wed 9/28/22
19	Year 2	260 days	Thu 9/29/22	Wed 9/27/23
20	Year 3	260 days	Thu 9/28/23	Wed 9/25/24
21	Year 4	260 days	Thu 9/26/24	Wed 9/24/25
22	Year 5	260 days	Thu 9/25/25	Wed 9/23/26
23	**CLIN 0002 (BASE) TASK 2.1: Proposed Plan (PP)/Record of Decision (ROD) for FGGM-83/OU-1, Former Skeet Range**	**1021 days**	**Thu 9/30/21**	**Thu 8/28/25**
24	Notice to Proceed: CLIN Exercise Date - BASE CLIN	1 day	Thu 9/30/21	Thu 9/30/21
25	**Proposed Plan (PP) - FGGM-83/OU-1, Former Skeet Range**	**390 days**	**Mon 12/20/21**	**Sat 6/17/23**
26	Prepare Internal Draft Proposed Plan	66 days	Mon 12/20/21	Mon 3/21/22
27	Army Review of Internal Draft Proposed Plan	50 edays	Mon 3/21/22	Tue 5/10/22
28	Prepare Response to Army Comments and Draft Proposed Plan	32 days	Wed 5/11/22	Thu 6/23/22
29	Army Review of Response to Comments and Draft Proposed Plan	14 days	Fri 6/24/22	Wed 7/13/22
30	Army Approval of Draft Final Proposed Plan	0 days	Wed 7/13/22	Wed 7/13/22
31	Submit Draft Proposed Plan to USEPA/MDE	13 days	Thu 7/14/22	Mon 8/1/22
32	USEPA/MDE Review of Draft Proposed Plan	86 edays	Mon 8/1/22	Wed 10/26/22
33	Prepare Response to USEPA/MDE Comments and Draft Final Final Proposed Plan	31 days	Thu 10/27/22	Thu 12/8/22
34	Army/USEPA/MDE Review of RTC and Draft Final Final Proposed Plan	30 days	Fri 12/9/22	Thu 1/19/23
35	Submit Final Proposed Plan and RTCs to USEPA/MDE	78 days	Fri 1/20/23	Tue 5/9/23
36	USEPA/MDE Approval of Final Proposed Plan	0 days	Tue 5/9/23	Tue 5/9/23
37	Public Review Period	30 edays	Thu 5/18/23	Sat 6/17/23
38	Public Meeting	0 days	Thu 5/18/23	Thu 5/18/23
39	**Record of Decision (ROD) - FGGM-83/OU-1, Former Skeet Range**	**680 days**	**Fri 1/20/23**	**Thu 8/28/25**
40	Prepare Internal Draft ROD	58 days	Fri 1/20/23	Tue 4/11/23
41	Army Review of Internal Draft ROD	29 edays	Tue 4/11/23	Wed 5/10/23
42	Prepare Response to Army Comments and Draft ROD	103 days	Thu 5/11/23	Mon 10/2/23
43	Army Review of Response to Comments and Draft ROD	27 days	Tue 10/3/23	Wed 11/8/23
44	Army Approval of Draft Final ROD	0 days	Wed 11/8/23	Wed 11/8/23
45	Submit Draft ROD to USEPA/MDE	8 days	Thu 11/9/23	Mon 11/20/23
46	USEPA/MDE Review of Draft ROD	85 edays	Wed 11/29/23	Thu 2/22/24
47	Prepare Response to USEPA/MDE Comments and Draft Final Final ROD	61 days	Fri 2/23/24	Fri 5/17/24
48	Army/USEPA/MDE Review of RTC and Draft Final Final ROD	30 edays	Wed 6/26/24	Fri 7/26/24
49	Submit Final ROD and RTCs to USEPA/MDE	5 days	Mon 5/26/25	Fri 5/30/25
50	Coordination/Signature – Installation	60 edays	Fri 5/30/25	Tue 7/29/25
51	Coordination/Signature – CZ	30 edays	Tue 7/29/25	Thu 8/28/25
52	USEPA/MDE Approval of Final ROD	0 days	Thu 8/28/25	Thu 8/28/25
53	**CLIN 0003 (BASE) TASK 2.2: Remedial Investigation/Feasibility Study (RI/FS) for FGGM-87/OU-3, Former NIKE Site**	**582 days**	**Thu 9/30/21**	**Fri 12/22/23**
54	Notice to Proceed: CLIN Exercise Date - BASE CLIN	1 day	Thu 9/30/21	Thu 9/30/21
55	**Remedial Investigation (RI) Report (includes Revised HHRA and SLERA) - FGGM-87/OU-3, Former N**	**241 days**	**Mon 12/20/21**	**Mon 11/21/22**
56	Prepare RTCs on Draft Final and Revised Draft Final RI Report	115 days	Mon 12/20/21	Fri 5/27/22
57	Army Review of Revised Draft Final RI Report	26 edays	Fri 5/27/22	Wed 6/22/22
58	Prepare Response to Army Comments and Revised Draft Final RI Report	3 days	Thu 6/23/22	Mon 6/27/22
59	Army Review of Response to Comments and Revised Draft Final RI Report	2 days	Tue 6/28/22	Wed 6/29/22
60	Army Approval of Revised Draft Final RI Report	0 days	Wed 6/29/22	Wed 6/29/22
61	Submit Revised Draft Final RI Report to USEPA/MDE	7 days	Thu 6/30/22	Fri 7/8/22
62	USEPA/MDE Review of Revised Draft Final RI Report	112 edays	Fri 7/8/22	Fri 10/28/22
63	Prepare Response to USEPA/MDE Comments	16 days	Mon 10/31/22	Mon 11/21/22
64	Army/USEPA/MDE Review of RTC	0 days	Mon 11/21/22	Mon 11/21/22

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Remedial Investigation (RI) to Remedy-in-Place/Response Complete for FGGM-83/OU-1, FGGM-87/OU-3, and FGGM-7/OU-5 at Fort Meade, Maryland

ID	Task Name	Duration	Start	Finish
65	Submit Final RI Report and RTCs to USEPA/MDE	0 days	Mon 11/21/22	Mon 11/21/22
66	USEPA/MDE Approval of Final RI Report	0 days	Mon 11/21/22	Mon 11/21/22
67	**Focused Feasibility Study (FFS) - FGGM-87/OU-3, Former NIKE Site**	**335 days**	**Mon 9/12/22**	**Fri 12/22/23**
68	Prepare Revised Draft FFS	19 days	Mon 9/12/22	Thu 10/6/22
69	Army Review of Revised Draft FFS	35 edays	Thu 10/6/22	Thu 11/10/22
70	Prepare Response to Army Comments and Revised Draft FFS	12 days	Fri 11/11/22	Mon 11/28/22
71	Army Review of Response to Comments and Revised Draft FFS	5 days	Tue 11/29/22	Mon 12/5/22
72	Army Approval of Draft Final FFS	0 days	Mon 12/5/22	Mon 12/5/22
73	Submit Draft FFS to USEPA/MDE	8 days	Tue 12/6/22	Thu 12/15/22
74	USEPA/MDE Review of Draft FFS	172 edays	Thu 12/15/22	Mon 6/5/23
75	Prepare Response to USEPA/MDE Comments and Draft Final Final FFS	6 days	Tue 6/6/23	Tue 6/13/23
76	Army/USEPA/MDE Review of RTC and Draft Final Final FFS	176 edays	Tue 6/13/23	Wed 12/6/23
77	Submit Final FFS and RTCs to USEPA/MDE	2 days	Thu 12/7/23	Fri 12/8/23
78	USEPA/MDE Approval of Final FFS	0 days	Fri 12/22/23	Fri 12/22/23
79	**CLIN 0004 (BASE) TASK 2.3: RI/FS for FGGM-7/OU-5, DRMO & Plume**	**582 days**	**Thu 9/30/21**	**Fri 12/22/23**
80	Notice to Proceed: CLIN Exercise Date - BASE CLIN	1 day	Thu 9/30/21	Thu 9/30/21
81	**Remedial Investigation (RI) Report (includes Revised HHRA and SLERA) - FGGM-7/OU-5, DRMO &**	**271 days**	**Mon 12/20/21**	**Mon 1/2/23**
82	Prepare RTCs on Draft Final and Revised Draft Final RI Report	144 days	Mon 12/20/21	Thu 7/7/22
83	Army Review of Revised Draft Final RI Report	29 edays	Thu 7/7/22	Fri 8/5/22
84	Prepare Response to Army Comments and Revised Draft Final RI Report	8 days	Mon 8/8/22	Wed 8/17/22
85	Army Review of Response to Comments and Revised Draft Final RI Report	3 days	Thu 8/18/22	Mon 8/22/22
86	Army Approval of Revised Draft Final RI Report	0 days	Mon 8/22/22	Mon 8/22/22
87	Submit Revised Draft Final RI Report to USEPA/MDE	13 days	Tue 8/23/22	Thu 9/8/22
88	USEPA/MDE Review of Revised Draft Final RI Report	60 edays	Thu 9/8/22	Mon 11/7/22
89	Prepare Response to USEPA/MDE Comments	5 days	Tue 11/8/22	Mon 11/14/22
90	Army/USEPA/MDE Review of RTC	20 days	Tue 11/15/22	Mon 12/12/22
91	Submit Final RI Report and RTCs to USEPA/MDE	5 days	Tue 12/13/22	Mon 12/19/22
92	USEPA/MDE Approval of Final RI Report	0 days	Mon 1/2/23	Mon 1/2/23
93	**Focused Feasibility Study (FFS) - FGGM-7/OU-5, DRMO & Plume**	**246 days**	**Fri 1/13/23**	**Fri 12/22/23**
94	Prepare Revised Draft FFS	26 days	Fri 1/13/23	Fri 2/17/23
95	Army Review of Revised Draft FFS	48 edays	Fri 2/17/23	Thu 4/6/23
96	Prepare Response to Army Comments and Revised Draft FFS	11 days	Fri 4/7/23	Fri 4/21/23
97	Army Review of Response to Comments and Revised Draft FFS	18 days	Mon 4/24/23	Wed 5/17/23
98	Army Approval of Draft Final FFS	0 days	Wed 5/17/23	Wed 5/17/23
99	Submit Draft FFS to USEPA/MDE	23 days	Thu 5/18/23	Mon 6/19/23
100	USEPA/MDE Review of Draft FFS	156 edays	Mon 6/19/23	Wed 11/22/23
101	Prepare Response to USEPA/MDE Comments and Draft Final Final FFS	8 days	Thu 11/23/23	Mon 12/4/23
102	Army/USEPA/MDE Review of RTC and Draft Final Final FFS	2 days	Tue 12/5/23	Wed 12/6/23
103	Submit Final FFS and RTCs to USEPA/MDE	2 days	Thu 12/7/23	Fri 12/8/23
104	USEPA/MDE Approval of Final FFS	0 days	Fri 12/22/23	Fri 12/22/23
105	**CLIN 0005 (OPTION) TASK 3.1: Data Gap Investigation: Additional Sampling and Well Construction A**	**257 days**	**Mon 8/22/22**	**Tue 8/15/23**
106	~~CLIN 0005AA (OPTION) Up to 10 Soil Samples and QA/QC~~	~~96 days~~	~~Wed 8/16/23~~	~~Wed 12/27/23~~
107	~~Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN~~	~~1 day~~	~~Wed 8/16/23~~	~~Wed 8/16/23~~
108	~~Up to 10 Soil Samples and QA/QC~~	~~5 days~~	~~Thu 9/21/23~~	~~Wed 9/27/23~~
109	~~ERIS Upload~~	~~1 day~~	~~Wed 12/27/23~~	~~Wed 12/27/23~~
110	~~Submittal of Field Forms~~	~~0 days~~	~~Wed 9/27/23~~	~~Wed 9/27/23~~
111	~~CLIN 0005BB (OPTION) Up to 5 Sediment Samples and QA/QC~~	~~93 days~~	~~Wed 8/16/23~~	~~Fri 12/22/23~~
112	~~Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN~~	~~1 day~~	~~Wed 8/16/23~~	~~Wed 8/16/23~~
113	~~Up to 5 Sediment Samples and QA/QC~~	~~2 days~~	~~Thu 9/21/23~~	~~Fri 9/22/23~~
114	~~ERIS Upload~~	~~1 day~~	~~Fri 12/22/23~~	~~Fri 12/22/23~~
115	~~Submittal of Field Forms~~	~~0 days~~	~~Fri 9/22/23~~	~~Fri 9/22/23~~
116	~~CLIN 0005CC (OPTION) Up to 5 Surface Water Samples and QA/QC~~	~~93 days~~	~~Wed 8/16/23~~	~~Fri 12/22/23~~
117	~~Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN~~	~~1 day~~	~~Wed 8/16/23~~	~~Wed 8/16/23~~
118	~~Up to 5 Surface Water Samples and QA/QC~~	~~2 days~~	~~Thu 9/21/23~~	~~Fri 9/22/23~~
119	~~ERIS Upload~~	~~1 day~~	~~Fri 12/22/23~~	~~Fri 12/22/23~~
120	~~Submittal of Field Forms~~	~~0 days~~	~~Fri 9/22/23~~	~~Fri 9/22/23~~
121	~~CLIN 0005DD (OPTION) Up to 5 Groundwater Samples and QA/QC~~	~~93 days~~	~~Wed 8/16/23~~	~~Fri 12/22/23~~
122	~~Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN~~	~~1 day~~	~~Wed 8/16/23~~	~~Wed 8/16/23~~
123	~~Up to 5 Groundwater Samples and QA/QC~~	~~2 days~~	~~Thu 9/21/23~~	~~Fri 9/22/23~~
124	~~ERIS Upload~~	~~1 day~~	~~Fri 12/22/23~~	~~Fri 12/22/23~~
125	~~Submittal of Field Forms~~	~~0 days~~	~~Fri 9/22/23~~	~~Fri 9/22/23~~
126	~~CLIN 0005EE (OPTION) Direct Push Technology (DPT) Well Installation up to 30 ft bgs~~	~~28 days~~	~~Wed 8/16/23~~	~~Fri 9/22/23~~
127	~~Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN~~	~~1 day~~	~~Wed 8/16/23~~	~~Wed 8/16/23~~
128	~~DPT Well Installation up to 30 ft bgs~~	~~2 days~~	~~Thu 9/21/23~~	~~Fri 9/22/23~~
129	~~Submittal of Field Forms~~	~~0 days~~	~~Fri 9/22/23~~	~~Fri 9/22/23~~
130	~~CLIN 0005FF (OPTION) Hollow Stem Auger (HSA) Well Installation up to 30 ft bgs~~	~~28 days~~	~~Wed 8/16/23~~	~~Fri 9/22/23~~
131	~~Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN~~	~~1 day~~	~~Wed 8/16/23~~	~~Wed 8/16/23~~
132	~~HAS Well Installation up to 30 ft bgs~~	~~2 days~~	~~Thu 9/21/23~~	~~Fri 9/22/23~~
133	~~Submittal of Field Forms~~	~~0 days~~	~~Fri 9/22/23~~	~~Fri 9/22/23~~

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Remedial Investigation (RI) to Remedy-in-Place/Response Complete for FGGM-83/OU-1, FGGM-87/OU-3, and FGGM-7/OU-5 at Fort Meade, Maryland

ID	Task Name	Duration	Start	Finish
134	~~CLIN 0005GG (OPTION) HSA Well Installation up to 50 ft bgs~~	~~29 days~~	~~Wed 8/16/23~~	~~Mon 9/25/23~~
135	~~Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN~~	~~1 day~~	~~Wed 8/16/23~~	~~Wed 8/16/23~~
136	~~HSA Well Installation up to 50 ft bgs~~	~~3 days~~	~~Thu 9/21/23~~	~~Mon 9/25/23~~
137	~~Submittal of Field Forms~~	~~0 days~~	~~Mon 9/25/23~~	~~Mon 9/25/23~~
138	~~CLIN 0005HH (OPTION) HSA Well Installation up to 100 ft bgs~~	~~31 days~~	~~Wed 8/16/23~~	~~Wed 9/27/23~~
139	~~Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN~~	~~1 day~~	~~Wed 8/16/23~~	~~Wed 8/16/23~~
140	~~HSA Well Installation up to 100 ft bgs~~	~~5 days~~	~~Thu 9/21/23~~	~~Wed 9/27/23~~
141	~~Submittal of Field Forms~~	~~0 days~~	~~Wed 9/27/23~~	~~Wed 9/27/23~~
142	~~CLIN 0005II (OPTION) DPT Soil / Groundwater Sampling up to 50 ft bgs~~	~~28 days~~	~~Wed 8/16/23~~	~~Fri 9/22/23~~
143	~~Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN~~	~~1 day~~	~~Wed 8/16/23~~	~~Wed 8/16/23~~
144	~~DPT Soil / Groundwater Sampling up to 50 ft bgs~~	~~2 days~~	~~Thu 9/21/23~~	~~Fri 9/22/23~~
145	~~Submittal of Field Forms~~	~~0 days~~	~~Fri 9/22/23~~	~~Fri 9/22/23~~
146	**CLIN 0005JJ (OPTION) QAPP with APP**	**257 days**	**Mon 8/22/22**	**Tue 8/15/23**
147	Notice to Proceed: CLIN Exercise Date - OPTIONAL CLIN	1 day	Thu 4/13/23	Thu 4/13/23
148	**Uniform Federal Policy - Accident Prevention Plan (APP)**	**88 days**	**Fri 4/14/23**	**Tue 8/15/23**
149	Prepare Internal Draft APP	42 days	Fri 4/14/23	Mon 6/12/23
150	Army Review of Internal Draft APP	14 days	Tue 6/13/23	Fri 6/30/23
151	Prepare Response to Army Comments and Draft APP	19 days	Mon 7/3/23	Thu 7/27/23
152	Army Review of Response to Comments and Draft APP	5 days	Fri 7/28/23	Thu 8/3/23
153	Submit Final APP	8 days	Fri 8/4/23	Tue 8/15/23
154	**Uniform Federal Policy - Quality Assurance Project Plan (UFP-QAPP)**	**162 days**	**Mon 8/22/22**	**Tue 4/4/23**
155	Prepare Internal Draft UFP-QAPP	31 days	Mon 8/22/22	Mon 10/3/22
156	Army Review of Internal Draft UFP-QAPP	48 edays	Mon 10/3/22	Sun 11/20/22
157	Prepare Response to Army Comments and Draft UFP-QAPP	8 days	Mon 11/21/22	Wed 11/30/22
158	Army Review of Response to Comments and Draft UFP-QAPP	3 days	Thu 12/1/22	Mon 12/5/22
159	Army Approval of Draft Final UFP-QAPP	14 days	Tue 12/6/22	Fri 12/23/22
160	Submit Draft UFP-QAPP to USEPA/MDE	5 days	Mon 12/26/22	Fri 12/30/22
161	USEPA/MDE Review of Draft UFP-QAPP	60 edays	Fri 12/30/22	Tue 2/28/23
162	Prepare Response to USEPA/MDE Comments and Draft Final UFP-QAPP	5 days	Wed 3/1/23	Tue 3/7/23
163	Army/USEPA/MDE Review of RTC and Draft Final UFP-QAPP	5 days	Wed 3/8/23	Tue 3/14/23
164	Submit Final UFP-QAPP and RTCs to USEPA/MDE	5 days	Wed 3/15/23	Tue 3/21/23
165	USEPA/MDE Approval of Final UFP-QAPP	0 days	Tue 4/4/23	Tue 4/4/23
166	**CLIN 0006 (OPTION) - TASK 3.2: Response Complete (RC) for FGGM-83/OU-1, Former Skeet Range**	**458 days**	**Fri 12/20/24**	**Tue 9/22/26**
167	Notice to Proceed: CLIN Exercise Date - OPTION CLIN	1 day	Fri 8/29/25	Fri 8/29/25
168	**Remedial Design (RD) - FGGM-83/OU-1, Former Skeet Range**	**164 days**	**Tue 3/18/25**	**Fri 10/31/25**
169	Prepare Internal Draft RD	30 days	Tue 3/18/25	Mon 4/28/25
170	Army Review of Internal Draft RD	30 edays	Mon 4/28/25	Wed 5/28/25
171	Prepare Response to Army Comments and Draft RD	10 days	Thu 5/29/25	Wed 6/11/25
172	Army Review of Response to Comments and Draft RD	5 days	Thu 6/12/25	Wed 6/18/25
173	Army Approval of Draft Final RD	0 days	Wed 6/18/25	Wed 6/18/25
174	Submit Draft RD to USEPA/MDE	5 days	Thu 6/19/25	Wed 6/25/25
175	USEPA/MDE Review of Draft RD	60 edays	Wed 6/25/25	Sun 8/24/25
176	Prepare Response to USEPA/MDE Comments and Draft Final RD	10 days	Mon 8/25/25	Fri 9/5/25
177	Army/USEPA/MDE Review of RTC and Draft Final RD	30 edays	Fri 9/5/25	Sun 10/5/25
178	Submit Final RD and RTCs to USEPA/MDE	10 days	Mon 10/6/25	Fri 10/17/25
179	USEPA/MDE Approval of Final RD	0 days	Fri 10/31/25	Fri 10/31/25
180	**RA Field Work - FGGM-83/OU-1, Former Skeet Range**	**369 days**	**Fri 12/20/24**	**Wed 5/20/26**
181	Base Coordination (Dig Permitting, etc.)	20 days	Mon 10/6/25	Fri 10/31/25
182	**Pre-Excavation Site Characterization**	**40 days**	**Mon 11/3/25**	**Fri 12/26/25**
183	Site Survey / Wetland and Floodplain Delineation	5 days	Mon 11/3/25	Fri 11/7/25
184	Grid Set-Up / Lead Delineation	10 days	Mon 11/3/25	Fri 11/14/25
185	XRF and Off-Site Lab Analysis (includes TCLP Sampling for Waste Characterization)	10 days	Mon 11/17/25	Fri 11/28/25
186	Treatability Study	20 days	Mon 12/1/25	Fri 12/26/25
187	**Excavation**	**140 days**	**Mon 12/15/25**	**Fri 6/26/26**
188	Mobilization and Site Prep	5 days	Mon 12/15/25	Fri 12/19/25
189	Erosion and Sediment Control Implementation	5 days	Mon 12/15/25	Fri 12/19/25
190	Site Layout and Implement Traffic Control Plan	5 days	Mon 12/15/25	Fri 12/19/25
191	Tree Clearing and Stump Grinding	10 days	Mon 12/22/25	Fri 1/2/26
192	Vegetation Clearing and Grubbing	5 days	Mon 1/5/26	Fri 1/9/26
193	Excavation and Soil Stabilization	50 days	Mon 1/12/26	Fri 3/20/26
194	Post-Excavation Confirmation Sampling	5 days	Mon 3/23/26	Fri 3/27/26
195	Backfill, Site Restoration, and Reforestation	10 days	Mon 4/6/26	Fri 4/17/26
196	Land Use Control Implementation / Sign Installation	2 days	Thu 4/16/26	Fri 4/17/26
197	ERIS Upload	1 day	Fri 6/26/26	Fri 6/26/26
198	Demobilization	2 days	Mon 4/20/26	Tue 4/21/26
199	~~Annual LUC Inspection~~	~~1 day~~	~~Thu 4/15/27~~	~~Thu 4/15/27~~
200	~~Annual LUC Inspection~~	~~1 day~~	~~Thu 4/15/27~~	~~Thu 4/15/27~~
201	~~Army Acceptance of Fieldwork Completion Memo~~	~~0 days~~	~~Tue 4/21/26~~	~~Tue 4/21/26~~
202	**Remedial Action Completion Report - FGGM-83/OU-1, Former Skeet Range**	**110 days**	**Wed 4/22/26**	**Tue 9/22/26**

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Remedial Investigation (RI) to Remedy-in-Place/Response Complete for FGGM-83/OU-1, FGGM-87/OU-3, and FGGM-7/OU-5 at Fort Meade, Maryland

ID	Task Name	Duration	Start	Finish
203	Prepare Internal Draft Remedial Action Completion Report	22 days	Wed 4/22/26	Thu 5/21/26
204	Army Review of Internal Draft Remedial Action Completion Report	20 edays	Thu 5/21/26	Wed 6/10/26
205	Prepare Response to Army Comments and Draft Remedial Action Completion Report	15 days	Thu 6/11/26	Wed 7/1/26
206	Army Review of Response to Comments and Draft Remedial Action Completion Report	5 days	Thu 7/2/26	Wed 7/8/26
207	Army Approval of Draft Final Remedial Action Completion Report	0 days	Wed 7/8/26	Wed 7/8/26
208	Submit Draft Remedial Action Completion Report to USEPA/MDE	2 days	Thu 7/9/26	Fri 7/10/26
209	USEPA/MDE Review of Draft Remedial Action Completion Report	30 edays	Fri 7/10/26	Sun 8/9/26
210	Prepare Response to USEPA/MDE Comments and Draft Final Remedial Action Completion Report	10 days	Mon 8/10/26	Fri 8/21/26
211	Army/USEPA/MDE Review of RTC and Draft Final Remedial Action Completion Report	15 days	Mon 8/24/26	Fri 9/11/26
212	Submit Final Remedial Action Completion Report and RTCs to USEPA/MDE	2 days	Mon 9/14/26	Tue 9/15/26
213	USEPA/MDE Approval of Final Remedial Action Completion Report	0 days	Tue 9/22/26	Tue 9/22/26
214	~~Land Use Inspection Report - FGGM-83/OU-1, Former Skeet Range~~	~~142 days~~	~~Mon 1/5/26~~	~~Tue 7/21/26~~
215	~~Prepare Internal Draft Land Use Inspection Report~~	~~30 days~~	~~Mon 1/5/26~~	~~Fri 2/13/26~~
216	~~Army Review of Internal Draft Land Use Inspection Report~~	~~30 edays~~	~~Fri 2/13/26~~	~~Sun 3/15/26~~
217	~~Prepare Response to Army Comments and Draft Land Use Inspection Report~~	~~10 days~~	~~Mon 3/16/26~~	~~Fri 3/27/26~~
218	~~Army Review of Response to Comments and Draft Land Use Inspection Report~~	~~5 days~~	~~Mon 3/30/26~~	~~Fri 4/3/26~~
219	~~Army Approval of Draft Final Land Use Inspection Report~~	~~0 days~~	~~Fri 4/3/26~~	~~Fri 4/3/26~~
220	~~Submit Draft Land Use Inspection Report to USEPA/MDE~~	~~5 days~~	~~Mon 4/6/26~~	~~Fri 4/10/26~~
221	~~USEPA/MDE Review of Draft Land Use Inspection Report~~	~~60 edays~~	~~Fri 4/10/26~~	~~Tue 6/9/26~~
222	~~Prepare Response to USEPA/MDE Comments and Draft Final Land Use Inspection Report~~	~~5 days~~	~~Wed 6/10/26~~	~~Tue 6/16/26~~
223	~~Army/USEPA/MDE Review of RTC and Draft Final Land Use Inspection Report~~	~~10 days~~	~~Wed 6/17/26~~	~~Tue 6/30/26~~
224	~~Submit Final Land Use Inspection Report and RTCs to USEPA/MDE~~	~~5 days~~	~~Wed 7/1/26~~	~~Tue 7/7/26~~
225	~~USEPA/MDE Approval of Final Land Use Inspection Report~~	~~0 days~~	~~Tue 7/21/26~~	~~Tue 7/21/26~~
226	**CLIN 0006AA (OPTION) - Task 3.2.1: Additional Soil Volumes: Unit Cost (per 10 CY)**	**4 days**	**Mon 3/23/26**	**Thu 3/26/26**
227	**CLIN 0006AA (OPTION) - Source Area Excavation, Characterization, and Site Restoration (10 CY)**	**4 days**	**Mon 3/23/26**	**Thu 3/26/26**
228	Notice to Proceed: CLIN Exercise Date - OPTION CLIN	1 day	Mon 3/23/26	Mon 3/23/26
229	Source Area Excavation, Characterization, and Site Restoration (10 CY)	3 days	Tue 3/24/26	Thu 3/26/26
230	Army Acceptance of Fieldwork Completion Memo	0 days	Thu 3/26/26	Thu 3/26/26
231	**CLIN 0006BB (OPTION) - Disposal of Non Hazardous Soil (10 CY)**	**4 days**	**Mon 3/23/26**	**Thu 3/26/26**
232	Notice to Proceed: CLIN Exercise Date - OPTION CLIN	1 day	Mon 3/23/26	Mon 3/23/26
233	Disposal of Non Hazardous Soil (10 CY)	3 days	Tue 3/24/26	Thu 3/26/26
234	Army Acceptance of Fieldwork Completion Memo	0 days	Thu 3/26/26	Thu 3/26/26
235	**CLIN 0007 (OPTION) TASK 3.3: PP/ROD for FGGM-87/OU-3, Former NIKE Site**	**723 days**	**Thu 4/13/23**	**Mon 1/19/26**
236	Notice to Proceed: CLIN Exercise Date - OPTION CLIN	1 day	Thu 4/13/23	Thu 4/13/23
237	**Proposed Plan (PP) - FGGM-87/OU-3, Former NIKE Site**	**401 days**	**Fri 4/26/24**	**Sun 11/9/25**
238	Prepare Internal Draft Proposed Plan	120 days	Fri 4/26/24	Thu 10/10/24
239	Army Review of Internal Draft Proposed Plan	36 edays	Thu 10/10/24	Fri 11/15/24
240	Prepare Response to Army Comments and Draft Proposed Plan	82 days	Mon 11/18/24	Tue 3/11/25
241	Army Review of Response to Comments and Draft Proposed Plan	29 days	Wed 3/12/25	Mon 4/21/25
242	Army Approval of Draft Final Proposed Plan	15 days	Tue 4/22/25	Mon 5/12/25
243	Submit Draft Proposed Plan to USEPA/MDE	0 days	Mon 5/12/25	Mon 5/12/25
244	USEPA/MDE Review of Draft Proposed Plan	60 edays	Mon 5/12/25	Fri 7/11/25
245	Prepare Response to USEPA/MDE Comments and Draft Final Final Proposed Plan	5 days	Mon 7/14/25	Fri 7/18/25
246	Army/USEPA/MDE Review of RTC and Draft Final Final Proposed Plan	30 days	Mon 7/21/25	Fri 8/29/25
247	Submit Final Proposed Plan and RTCs to USEPA/MDE	20 days	Mon 9/1/25	Fri 9/26/25
248	USEPA/MDE Approval of Final Proposed Plan	0 days	Fri 10/10/25	Fri 10/10/25
249	Public Review Period	30 edays	Fri 10/10/25	Sun 11/9/25
250	Public Meeting	1 day	Mon 10/27/25	Mon 10/27/25
251	**Record of Decision (ROD) - FGGM-87/OU-3, Former NIKE Site**	**306 days**	**Mon 11/18/24**	**Mon 1/19/26**
252	Prepare Internal Draft ROD	133 days	Mon 11/18/24	Wed 5/21/25
253	Army Review of Internal Draft ROD	30 edays	Wed 5/21/25	Fri 6/20/25
254	Prepare Response to Army Comments and Draft ROD	5 days	Mon 6/23/25	Fri 6/27/25
255	Army Review of Response to Comments and Draft ROD	5 days	Mon 6/30/25	Fri 7/4/25
256	Army Approval of Draft Final ROD	0 days	Fri 7/4/25	Fri 7/4/25
257	Submit Draft ROD to USEPA/MDE	5 days	Mon 7/7/25	Fri 7/11/25
258	USEPA/MDE Review of Draft ROD	60 edays	Fri 7/11/25	Tue 9/9/25
259	Prepare Response to USEPA/MDE Comments and Draft Final Final ROD	5 days	Wed 9/10/25	Tue 9/16/25
260	Army/USEPA/MDE Review of RTC and Draft Final Final ROD	20 days	Wed 9/17/25	Tue 10/14/25
261	Submit Final ROD and RTCs to USEPA/MDE	5 days	Wed 10/15/25	Tue 10/21/25
262	Coordination/Signature – Installation	60 edays	Tue 10/21/25	Sat 12/20/25
263	Coordination/Signature – CZ	30 edays	Sat 12/20/25	Mon 1/19/26
264	USEPA/MDE Approval of Final ROD	0 days	Mon 1/19/26	Mon 1/19/26
265	**CLIN 0008 (OPTION) TASK 3.4: PP/ROD for FGGM-7/OU-5, DRMO & Plume**	**721 days**	**Thu 4/13/23**	**Thu 1/15/26**
266	Notice to Proceed: CLIN Exercise Date - OPTION CLIN	1 day	Thu 4/13/23	Thu 4/13/23
267	**Proposed Plan (PP) - FGGM-7/OU-5, DRMO & Plume**	**595 days**	**Fri 4/14/23**	**Thu 7/24/25**
268	Prepare Internal Draft Proposed Plan	50 days	Fri 4/14/23	Thu 6/22/23
269	Army Review of Internal Draft Proposed Plan	54 edays	Thu 6/22/23	Tue 8/15/23
270	Prepare Response to Army Comments and Draft Proposed Plan	7 days	Wed 8/16/23	Thu 8/24/23
271	Army Review of Response to Comments and Draft Proposed Plan	17 days	Fri 8/25/23	Mon 9/18/23

Tasks striked out in gray font in CLIN 0005 will not be completed and the Optional sub-CLINs will not be exercised.

Table 3-1 Project Schedules for Open Sites at Fort Meade

SERES Engineering & Services, LLC
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Remedial Investigation (RI) to Remedy-in-Place/Response Complete for FGGM-83/OU-1, FGGM-87/OU-3, and FGGM-7/OU-5 at Fort Meade, Maryland

ID	Task Name	Duration	Start	Finish
272	Army Approval of Draft Proposed Plan	8 days	Tue 9/19/23	Thu 9/28/23
273	Submit Draft Proposed Plan to USEPA/MDE	81 days	Fri 9/29/23	Fri 1/19/24
274	USEPA/MDE Review of Draft Proposed Plan	289 days	Mon 1/22/24	Thu 2/27/25
275	Prepare Response to USEPA/MDE Comments and Draft Final Proposed Plan	19 days	Fri 2/28/25	Wed 3/26/25
276	Army/USEPA/MDE Review of RTC and Draft Final Proposed Plan	19 days	Thu 3/27/25	Tue 4/22/25
277	Submit Final Proposed Plan and RTCs to USEPA/MDE	19 days	Wed 4/23/25	Mon 5/19/25
278	USEPA/MDE Approval of Final Proposed Plan	16 days	Tue 6/3/25	Tue 6/24/25
279	Public Review Period	30 edays	Tue 6/24/25	Thu 7/24/25
280	Public Meeting	1 day	Wed 7/9/25	Wed 7/9/25
281	**Record of Decision (ROD) -FGGM-7/OU-5, DRMO & Plume**	**203 days**	**Tue 4/8/25**	**Thu 1/15/26**
282	Prepare Internal Draft ROD	30 days	Tue 4/8/25	Mon 5/19/25
283	Army Review of Internal Draft ROD	30 edays	Mon 5/19/25	Wed 6/18/25
284	Prepare Response to Army Comments and Draft ROD	5 days	Thu 6/19/25	Wed 6/25/25
285	Army Review of Response to Comments and Draft ROD	5 days	Thu 6/26/25	Wed 7/2/25
286	Army Approval of Draft Final ROD	0 days	Wed 7/2/25	Wed 7/2/25
287	Submit Draft ROD to USEPA/MDE	5 days	Thu 7/3/25	Wed 7/9/25
288	USEPA/MDE Review of Draft ROD	60 edays	Wed 7/9/25	Sun 9/7/25
289	Prepare Response to USEPA/MDE Comments and Draft Final Final ROD	5 days	Mon 9/8/25	Fri 9/12/25
290	Army/USEPA/MDE Review of RTC and Draft Final Final ROD	20 days	Mon 9/15/25	Fri 10/10/25
291	Submit Final ROD and RTCs to USEPA/MDE	5 days	Mon 10/13/25	Fri 10/17/25
292	Coordination/Signature – Installation	60 edays	Fri 10/17/25	Tue 12/16/25
293	Coordination/Signature – CZ	30 edays	Tue 12/16/25	Thu 1/15/26
294	USEPA/MDE Approval of Final ROD	0 days	Thu 1/15/26	Thu 1/15/26
295	**CLIN 0009 (OPTION) - TASK 3.5: Remedy in Place (RIP) for FGGM-87/OU-3, Former NIKE Site**	**310 days**	**Mon 7/14/25**	**Fri 9/18/26**
296	Notice to Proceed: CLIN Exercise Date - OPTION CLIN	1 day	Wed 9/17/25	Wed 9/17/25
297	**Remedial Design (RD) - FGGM-87/OU-3, Former NIKE Site**	**164 days**	**Mon 7/14/25**	**Thu 2/26/26**
298	Prepare Internal Draft RD	30 days	Mon 7/14/25	Fri 8/22/25
299	Army Review of Internal Draft RD	30 edays	Fri 8/22/25	Sun 9/21/25
300	Prepare Response to Army Comments and Draft RD	10 days	Mon 9/22/25	Fri 10/3/25
301	Army Review of Response to Comments and Draft RD	5 days	Mon 10/6/25	Fri 10/10/25
302	Army Approval of Draft Final RD	0 days	Fri 10/10/25	Fri 10/10/25
303	Submit Draft RD to USEPA/MDE	5 days	Mon 10/13/25	Fri 10/17/25
304	USEPA/MDE Review of Draft RD	60 edays	Fri 10/17/25	Tue 12/16/25
305	Prepare Response to USEPA/MDE Comments and Draft Final RD	10 days	Wed 12/17/25	Tue 12/30/25
306	Army/USEPA/MDE Review of RTC and Draft Final RD	30 edays	Tue 12/30/25	Thu 1/29/26
307	Submit Final RD and RTCs to USEPA/MDE	10 days	Fri 1/30/26	Thu 2/12/26
308	USEPA/MDE Approval of Final RD	0 days	Thu 2/26/26	Thu 2/26/26
309	**RA Field Work - FGGM-87/OU-3, Former NIKE Site**	**200 days**	**Mon 10/20/25**	**Fri 7/24/26**
310	Base Coordination (Dig Permitting, etc.)	10 days	Wed 12/31/25	Tue 1/13/26
311	Sign Installation	2 days	Wed 1/14/26	Thu 1/15/26
312	**Semi-Annual Groundwater Sampling**	**200 days**	**Mon 10/20/25**	**Fri 7/24/26**
313	Semi-Annual Groundwater Event 1	5 days	Mon 10/20/25	Fri 10/24/25
314	ERIS Upload	1 day	Fri 1/23/26	Fri 1/23/26
315	Semi-Annual Groundwater Event 2	5 days	Mon 4/20/26	Fri 4/24/26
316	ERIS Upload	1 day	Fri 7/24/26	Fri 7/24/26
317	**Remedial Action Completion Report - FGGM-87/OU-3, Former NIKE Site**	**105 days**	**Mon 4/27/26**	**Fri 9/18/26**
318	Prepare Internal Draft Remedial Action Completion Report	20 days	Mon 4/27/26	Fri 5/22/26
319	Army Review of Internal Draft Remedial Action Completion Report	30 edays	Fri 5/22/26	Sun 6/21/26
320	Prepare Response to Army Comments and Draft Remedial Action Completion Report	5 days	Mon 6/22/26	Fri 6/26/26
321	Army Review of Response to Comments and Draft Remedial Action Completion Report	5 days	Mon 6/29/26	Fri 7/3/26
322	Army Approval of Draft Final Remedial Action Completion Report	0 days	Fri 7/3/26	Fri 7/3/26
323	Submit Draft Remedial Action Completion Report to USEPA/MDE	5 days	Mon 7/6/26	Fri 7/10/26
324	USEPA/MDE Review of Draft Remedial Action Completion Report	30 edays	Fri 7/10/26	Sun 8/9/26
325	Prepare Response to USEPA/MDE Comments and Draft Final Final Remedial Action Completion R	5 days	Mon 8/10/26	Fri 8/14/26
326	Army/USEPA/MDE Review of RTC and Draft Final Final Remedial Action Completion Report	10 days	Mon 8/17/26	Fri 8/28/26
327	Submit Final Remedial Action Completion Report and RTCs to USEPA/MDE	5 days	Mon 8/31/26	Fri 9/4/26
328	USEPA/MDE Approval of Final Remedial Action Completion Report	0 days	Fri 9/18/26	Fri 9/18/26
329	~~Semi-Annual Groundwater Monitoring Report 1 - FGGM-87/OU-3, Former NIKE Site~~	~~127 days~~	~~Mon 10/27/25~~	~~Tue 4/21/26~~
330	~~Prepare Internal Draft Semi-Annual Groundwater Monitoring Report~~	~~30 days~~	~~Mon 10/27/25~~	~~Fri 12/5/25~~
331	~~Army Review of Internal Draft Semi-Annual Groundwater Monitoring Report~~	~~30 edays~~	~~Fri 12/5/25~~	~~Sun 1/4/26~~
332	~~Prepare Response to Army Comments and Draft Semi-Annual Groundwater Monitoring Report~~	~~5 days~~	~~Mon 1/5/26~~	~~Fri 1/9/26~~
333	~~Army Review of Response to Comments and Draft Semi-Annual Groundwater Monitoring Report~~	~~5 days~~	~~Mon 1/12/26~~	~~Fri 1/16/26~~
334	~~Army Approval of Draft Final Semi-Annual Groundwater Monitoring Report~~	~~0 days~~	~~Fri 1/16/26~~	~~Fri 1/16/26~~
335	~~Submit Draft Semi-Annual Groundwater Monitoring Report to USEPA/MDE~~	~~5 days~~	~~Mon 1/19/26~~	~~Fri 1/23/26~~
336	~~USEPA/MDE Review of Draft Semi-Annual Groundwater Monitoring Report~~	~~60 edays~~	~~Fri 1/23/26~~	~~Tue 3/24/26~~
337	~~Prepare Response to USEPA/MDE Comments and Draft Final Final Semi-Annual Groundwater Mo~~	~~5 days~~	~~Wed 3/25/26~~	~~Tue 3/31/26~~
338	~~Army/USEPA/MDE Review of RTC and Draft Final Final Semi-Annual Groundwater Monitoring Rep~~	~~10 days~~	~~Wed 4/1/26~~	~~Tue 4/14/26~~
339	~~Submit Final Semi-Annual Groundwater Monitoring Report and RTCs to USEPA/MDE~~	~~5 days~~	~~Wed 4/15/26~~	~~Tue 4/21/26~~
340	~~USEPA/MDE Approval of Final Semi-Annual Groundwater Monitoring Report~~	~~0 days~~	~~Tue 4/21/26~~	~~Tue 4/21/26~~

Tasks striked out in gray font in CLIN 0005 will not be completed and the Optional sub-CLINs will not be exercised.

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Remedial Investigation (RI) to Remedy-in-Place/Response Complete for FGGM-83/OU-1, FGGM-87/OU-3, and FGGM-7/OU-5 at Fort Meade, Maryland

ID	Task Name	Duration	Start	Finish
341	Semi-Annual Groundwater Monitoring Report 2 - FGGM-87/OU-3, Former NIKE Site	127 days	Mon 4/27/26	Tue 10/20/26
342	Prepare Internal Draft Semi-Annual Groundwater Monitoring Report	30 days	Mon 4/27/26	Fri 6/5/26
343	Army Review of Internal Draft Semi-Annual Groundwater Monitoring Report	30 edays	Fri 6/5/26	Sun 7/5/26
344	Prepare Response to Army Comments and Draft Semi-Annual Groundwater Monitoring Report	5 days	Mon 7/6/26	Fri 7/10/26
345	Army Review of Response to Comments and Draft Semi-Annual Groundwater Monitoring Report	5 days	Mon 7/13/26	Fri 7/17/26
346	Army Approval of Draft Final Semi-Annual Groundwater Monitoring Report	0 days	Fri 7/17/26	Fri 7/17/26
347	Submit Draft Semi-Annual Groundwater Monitoring Report to USEPA/MDE	5 days	Mon 7/20/26	Fri 7/24/26
348	USEPA/MDE Review of Draft Semi-Annual Groundwater Monitoring Report	60 edays	Fri 7/24/26	Tue 9/22/26
349	Prepare Response to USEPA/MDE Comments and Draft Final Final Semi-Annual Groundwater Mo	5 days	Wed 9/23/26	Tue 9/29/26
350	Army/USEPA/MDE Review of RTC and Draft Final Final Semi-Annual Groundwater Monitoring Rep	10 days	Wed 9/30/26	Tue 10/13/26
351	Submit Final Semi-Annual Groundwater Monitoring Report and RTCs to USEPA/MDE	5 days	Wed 10/14/26	Tue 10/20/26
352	USEPA/MDE Approval of Final Semi-Annual Groundwater Monitoring Report	0 days	Tue 10/20/26	Tue 10/20/26
353	**CLIN 0010 (OPTION) - TASK 3.6: RIP for FGGM-7/OU-5, DRMO & Plume**	**348 days**	**Thu 5/29/25**	**Mon 9/28/26**
354	Notice to Proceed: CLIN Exercise Date - OPTION CLIN	1 day	Mon 10/13/25	Mon 10/13/25
355	**Remedial Design (RD) - FGGM-7/OU-5, DRMO & Plume**	**154 days**	**Thu 5/29/25**	**Tue 12/30/25**
356	Prepare Internal Draft RD	30 days	Thu 5/29/25	Wed 7/9/25
357	Army Review of Internal Draft RD	30 edays	Wed 7/9/25	Fri 8/8/25
358	Prepare Response to Army Comments and Draft RD	10 days	Mon 8/11/25	Fri 8/22/25
359	Army Review of Response to Comments and Draft RD	5 days	Mon 8/25/25	Fri 8/29/25
360	Army Approval of Draft Final RD	0 days	Fri 8/29/25	Fri 8/29/25
361	Submit Draft RD to USEPA/MDE	5 days	Mon 9/1/25	Fri 9/5/25
362	USEPA/MDE Review of Draft RD	60 edays	Fri 9/5/25	Tue 11/4/25
363	Prepare Response to USEPA/MDE Comments and Draft Final RD	10 days	Wed 11/5/25	Tue 11/18/25
364	Army/USEPA/MDE Review of RTC and Draft Final RD	20 days	Wed 11/19/25	Tue 12/16/25
365	Submit Final RD and RTCs to USEPA/MDE	10 days	Wed 12/17/25	Tue 12/30/25
366	USEPA/MDE Approval of Final RD	0 days	Tue 12/30/25	Tue 12/30/25
367	**RA Field Work - FGGM-7/OU-5, DRMO & Plume**	**200 days**	**Mon 9/8/25**	**Fri 6/12/26**
368	Base Coordination (Dig Permitting, etc.)	20 days	Wed 12/17/25	Tue 1/13/26
369	Mobilization	2 days	Wed 1/14/26	Thu 1/15/26
370	Tree Clearing and Site Prep	5 days	Fri 1/16/26	Thu 1/22/26
371	Extraction / Injection Well Installation and Development	20 days	Fri 1/23/26	Thu 2/19/26
372	Directional Drilling for Conveyance Piping	20 days	Fri 2/20/26	Thu 3/19/26
373	System Construction, Power Drop, and Land Use Control Sign Installation	20 days	Fri 3/20/26	Thu 4/16/26
374	Site Restoration	4 days	Fri 4/17/26	Wed 4/22/26
375	Startup / Shakedown	5 days	Thu 4/23/26	Wed 4/29/26
376	System O&M (Monthly Visits for Duration of POP)	313 days	Thu 4/30/26	Mon 7/12/27
377	**Semi-Annual Groundwater Sampling**	**200 days**	**Mon 9/8/25**	**Fri 6/12/26**
378	Semi-Annual Groundwater Event 1	5 days	Mon 9/8/25	Fri 9/12/25
379	ERIS Upload	1 day	Fri 12/12/25	Fri 12/12/25
380	Semi-Annual Groundwater Event 2 / Land Use Control Inspection	5 days	Mon 3/9/26	Fri 3/13/26
381	ERIS Upload	1 day	Fri 6/12/26	Fri 6/12/26
382	Semi-Annual Groundwater Monitoring Report 1 - FGGM-7/OU-5, DRMO & Plume	116 days	Mon 9/15/25	Mon 2/23/26
383	Prepare Internal Draft Semi-Annual Groundwater Monitoring Report	30 days	Mon 9/15/25	Fri 10/24/25
384	Army Review of Internal Draft Semi-Annual Groundwater Monitoring Report	30 edays	Fri 10/24/25	Sun 11/23/25
385	Prepare Response to Army Comments and Draft Semi-Annual Groundwater Monitoring Report	5 days	Mon 11/24/25	Fri 11/28/25
386	Army Review of Response to Comments and Draft Semi-Annual Groundwater Monitoring Report	5 days	Mon 12/1/25	Fri 12/5/25
387	Army Approval of Draft Final Semi-Annual Groundwater Monitoring Report	0 days	Fri 12/5/25	Fri 12/5/25
388	Submit Draft Semi-Annual Groundwater Monitoring Report to USEPA/MDE	5 days	Mon 12/8/25	Fri 12/12/25
389	USEPA/MDE Review of Draft Semi-Annual Groundwater Monitoring Report	45 edays	Fri 12/12/25	Mon 1/26/26
390	Prepare Response to USEPA/MDE Comments and Draft Final Final Semi-Annual Groundwater Mo	5 days	Tue 1/27/26	Mon 2/2/26
391	Army/USEPA/MDE Review of RTC and Draft Final Final Semi-Annual Groundwater Monitoring Rep	10 days	Tue 2/3/26	Mon 2/16/26
392	Submit Final Semi-Annual Groundwater Monitoring Report and RTCs to USEPA/MDE	5 days	Tue 2/17/26	Mon 2/23/26
393	USEPA/MDE Approval of Final Semi-Annual Groundwater Monitoring Report	0 days	Mon 2/23/26	Mon 2/23/26
394	Semi-Annual Groundwater Monitoring Report 2 - FGGM-7/OU-5, DRMO & Plume	116 days	Mon 3/16/26	Mon 8/24/26
395	Prepare Internal Draft Semi-Annual Groundwater Monitoring Report	30 days	Mon 3/16/26	Fri 4/24/26
396	Army Review of Internal Draft Semi-Annual Groundwater Monitoring Report	30 edays	Fri 4/24/26	Sun 5/24/26
397	Prepare Response to Army Comments and Draft Semi-Annual Groundwater Monitoring Report	5 days	Mon 5/25/26	Fri 5/29/26
398	Army Review of Response to Comments and Draft Semi-Annual Groundwater Monitoring Report	5 days	Mon 6/1/26	Fri 6/5/26
399	Army Approval of Draft Final Semi-Annual Groundwater Monitoring Report	0 days	Fri 6/5/26	Fri 6/5/26
400	Submit Draft Semi-Annual Groundwater Monitoring Report to USEPA/MDE	5 days	Mon 6/8/26	Fri 6/12/26
401	USEPA/MDE Review of Draft Semi-Annual Groundwater Monitoring Report	45 edays	Fri 6/12/26	Mon 7/27/26
402	Prepare Response to USEPA/MDE Comments and Draft Final Final Semi-Annual Groundwater Mo	5 days	Tue 7/28/26	Mon 8/3/26
403	Army/USEPA/MDE Review of RTC and Draft Final Final Semi-Annual Groundwater Monitoring Rep	10 days	Tue 8/4/26	Mon 8/17/26
404	Submit Final Semi-Annual Groundwater Monitoring Report and RTCs to USEPA/MDE	5 days	Tue 8/18/26	Mon 8/24/26
405	USEPA/MDE Approval of Final Semi-Annual Groundwater Monitoring Report	0 days	Mon 8/24/26	Mon 8/24/26
406	**Remedial Action Completion Report - FGGM-7/OU-5, DRMO & Plume**	**141 days**	**Mon 3/16/26**	**Mon 9/28/26**
407	Prepare Internal Draft Remedial Action Completion Report	30 days	Mon 3/16/26	Fri 4/24/26
408	Army Review of Internal Draft Remedial Action Completion Report	30 edays	Fri 4/24/26	Sun 5/24/26
409	Prepare Response to Army Comments and Draft Remedial Action Completion Report	10 days	Mon 5/25/26	Fri 6/5/26

Tasks striked out in gray font in CLIN 0005 will not be completed and the Optional sub-CLINs will not be exercised.

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Remedial Investigation (RI) to Remedy-in-Place/Response Complete for FGGM-83/OU-1, FGGM-87/OU-3, and FGGM-7/OU-5 at Fort Meade, Maryland

ID	Task Name	Duration	Start	Finish
410	Army Review of Response to Comments and Draft Remedial Action Completion Report	5 days	Mon 6/8/26	Fri 6/12/26
411	Army Approval of Draft Final Remedial Action Completion Report	0 days	Fri 6/12/26	Fri 6/12/26
412	Submit Draft Remedial Action Completion Report to USEPA/MDE	5 days	Mon 6/15/26	Fri 6/19/26
413	USEPA/MDE Review of Draft Remedial Action Completion Report	45 edays	Fri 6/19/26	Mon 8/3/26
414	Prepare Response to USEPA/MDE Comments and Draft Final Final Remedial Action Completion R	5 days	Tue 8/4/26	Mon 8/10/26
415	Army/USEPA/MDE Review of RTC and Draft Final Final Remedial Action Completion Report	20 days	Tue 8/11/26	Mon 9/7/26
416	Submit Final Remedial Action Completion Report and RTCs to USEPA/MDE	5 days	Tue 9/8/26	Mon 9/14/26
417	USEPA/MDE Approval of Final Remedial Action Completion Report	0 days	Mon 9/28/26	Mon 9/28/26

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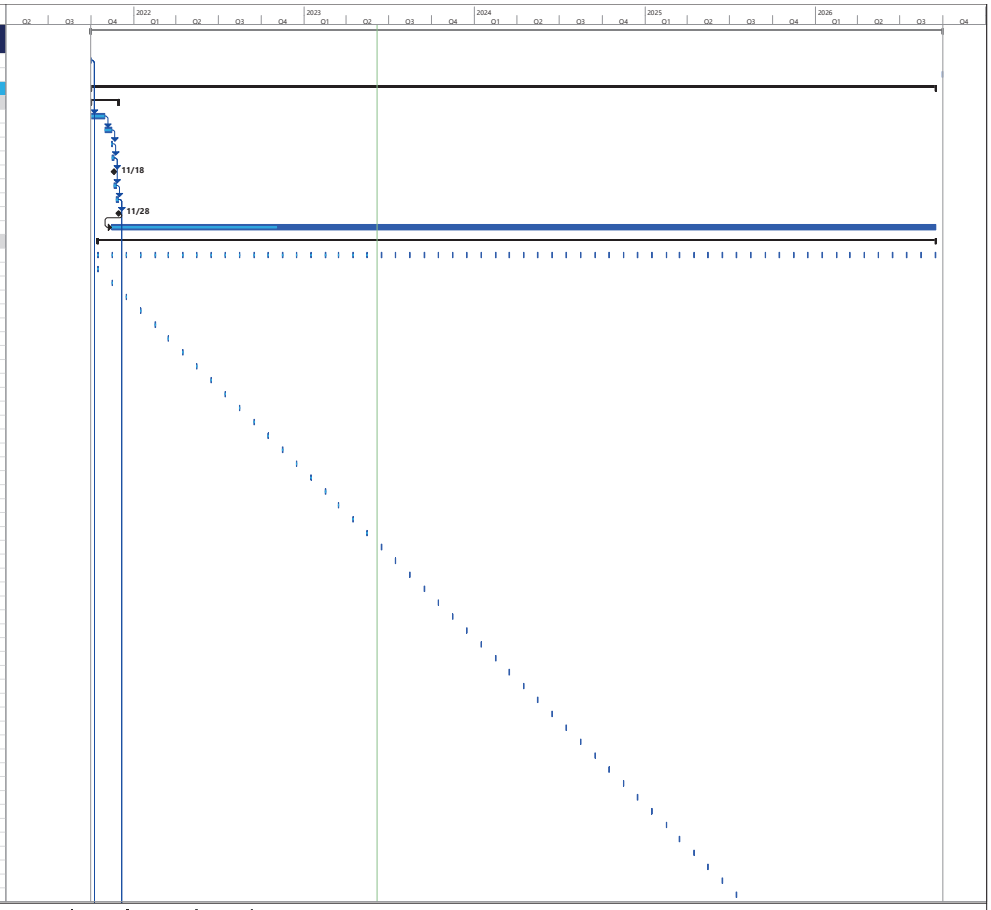
Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
0	**CLIN**	**RI for PFAS at Tipton Airfield Parcel for Fort George G. Meade, Maryland**	**26%**	**1827 days**	**9/30/21**
1		Task Order Award	0%	1 day	9/30/21
2		POP End Date	0%	1 day	9/30/26
3	**0001**	**Task 1: Project Management**	**27%**	**1811 days**	**10/1/21**
4		**Task 0001.01 - Project Management Plan**	**100%**	**59 days**	**10/1/21**
5		Prepare/Submit Draft PMP and Schedule	100%	29 days	10/1/21
6		USACE Review of the Draft PMP	100%	14 days	10/31/21
7		Response to Comments	100%	2 days	11/14/21
8		USACE Back Check and Review	100%	4 days	11/15/21
9		*Performance Objective Complete - USACE Acceptance Draft PMP*	100%	*0 days*	*11/18/21*
10		Incorporate Comments, Prepare/Submit Final PMP	100%	5 days	11/19/21
11		USACE Review Final PMP	100%	5 days	11/24/21
12		*Performance Objective Complete - USACE Acceptance Final PMP*	100%	*0 days*	*11/28/21*
13		Schedule Updates	20%	1767 days	11/14/21
14		**Task 0001.02 - Monthly Status Reports**	**33%**	**1797 days**	**10/15/21**
15		**Monthly Status Reports**	**33%**	**1797 days**	**10/15/21**
16		Monthly Status Reports 1	100%	1 day	10/15/21
17		Monthly Status Reports 2	100%	1 day	11/15/21
18		Monthly Status Reports 3	100%	1 day	12/15/21
19		Monthly Status Reports 4	100%	1 day	1/15/22
20		Monthly Status Reports 5	100%	1 day	2/15/22
21		Monthly Status Reports 6	100%	1 day	3/15/22
22		Monthly Status Reports 7	100%	1 day	4/15/22
23		Monthly Status Reports 8	100%	1 day	5/15/22
24		Monthly Status Reports 9	100%	1 day	6/15/22
25		Monthly Status Reports 10	100%	1 day	7/15/22
26		Monthly Status Reports 11	100%	1 day	8/15/22
27		Monthly Status Reports 12	100%	1 day	9/15/22
28		Monthly Status Reports 13	100%	1 day	10/15/22
29		Monthly Status Reports 14	100%	1 day	11/15/22
30		Monthly Status Reports 15	100%	1 day	12/15/22
31		Monthly Status Reports 16	100%	1 day	1/15/23
32		Monthly Status Reports 17	100%	1 day	2/15/23
33		Monthly Status Reports 18	100%	1 day	3/15/23
34		Monthly Status Reports 19	100%	1 day	4/15/23
35		Monthly Status Reports 20	100%	1 day	5/15/23
36		Monthly Status Reports 21	0%	1 day	6/15/23
37		Monthly Status Reports 22	0%	1 day	7/15/23
38		Monthly Status Reports 23	0%	1 day	8/15/23
39		Monthly Status Reports 24	0%	1 day	9/15/23
40		Monthly Status Reports 25	0%	1 day	10/15/23
41		Monthly Status Reports 26	0%	1 day	11/15/23
42		Monthly Status Reports 27	0%	1 day	12/15/23
43		Monthly Status Reports 28	0%	1 day	1/15/24
44		Monthly Status Reports 29	0%	1 day	2/15/24
45		Monthly Status Reports 30	0%	1 day	3/15/24
46		Monthly Status Reports 31	0%	1 day	4/15/24
47		Monthly Status Reports 32	0%	1 day	5/15/24
48		Monthly Status Reports 33	0%	1 day	6/15/24
49		Monthly Status Reports 34	0%	1 day	7/15/24
50		Monthly Status Reports 35	0%	1 day	8/15/24
51		Monthly Status Reports 36	0%	1 day	9/15/24
52		Monthly Status Reports 37	0%	1 day	10/15/24
53		Monthly Status Reports 38	0%	1 day	11/15/24
54		Monthly Status Reports 39	0%	1 day	12/15/24
55		Monthly Status Reports 40	0%	1 day	1/15/25
56		Monthly Status Reports 41	0%	1 day	2/15/25
57		Monthly Status Reports 42	0%	1 day	3/15/25
58		Monthly Status Reports 43	0%	1 day	4/15/25
59		Monthly Status Reports 44	0%	1 day	5/15/25
60		Monthly Status Reports 45	0%	1 day	6/15/25
61		Monthly Status Reports 46	0%	1 day	7/15/25



RI for PFAS at Tipton Airfield Parcel at Fort George G. Meade, Maryland
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Task Milestone Summary Project Summary Progress

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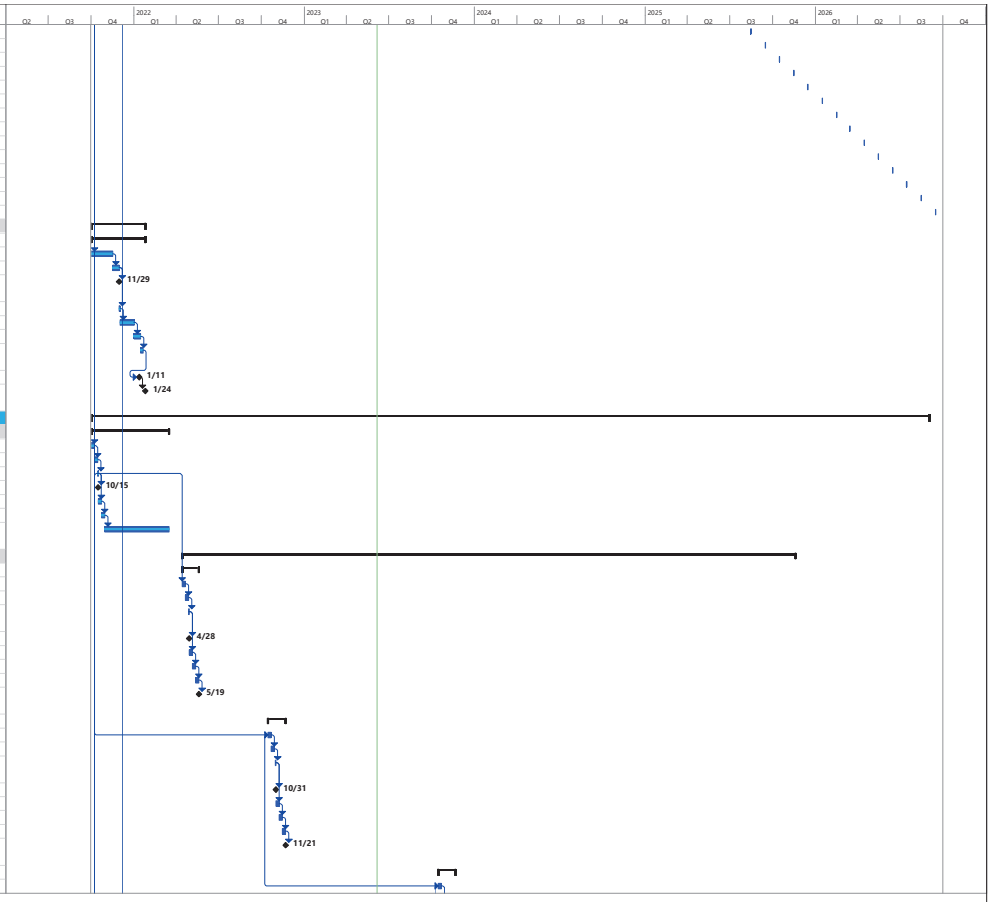
Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
62		Monthly Status Reports 47	0%	1 day	8/15/25
63		Monthly Status Reports 48	0%	1 day	9/15/25
64		Monthly Status Reports 49	0%	1 day	10/15/25
65		Monthly Status Reports 50	0%	1 day	11/15/25
66		Monthly Status Reports 51	0%	1 day	12/15/25
67		Monthly Status Reports 52	0%	1 day	1/15/26
68		Monthly Status Reports 53	0%	1 day	2/15/26
69		Monthly Status Reports 54	0%	1 day	3/15/26
70		Monthly Status Reports 55	0%	1 day	4/15/26
71		Monthly Status Reports 56	0%	1 day	5/15/26
72		Monthly Status Reports 57	0%	1 day	6/15/26
73		Monthly Status Reports 58	0%	1 day	7/15/26
74		Monthly Status Reports 59	0%	1 day	8/15/26
75		Monthly Status Reports 60	0%	1 day	9/15/26
76		**Task 0001.03 - Records Review Work Plan**	**100%**	**116 days**	**10/1/21**
77		**Records Review Work Plan**	**100%**	**116 days**	**10/1/21**
78		Prepare/Submit Draft Records Review Work Plan	100%	46 days	10/1/21
79		USACE Review of the Draft Records Review Work Plan	100%	14 days	11/16/21
80		*Performance Objective Complete - Draft Records Review Work Plan*	100%	*0 days*	*11/29/21*
81		Response to Comments	100%	2 days	11/30/21
82		Prepare/Submit Draft-Final Records Review Work Plan	100%	30 days	12/2/21
83		USACE Review of the Draft-Final Records Review Work Plan	100%	14 days	1/1/22
84		Incorporate Comments, Prepare/Submit Final Records Review Work Plan	100%	5 days	1/15/22
85		USACE Review Final Records Review Work Plan	100%	0 days	1/11/22
86		*Performance Objective Complete - USACE Acceptance Final Records Review Work Plan*	100%	*0 days*	*1/24/22*
87	**0002**	**Task 2: Meeting Support**	**46%**	**1797 days**	**10/1/21**
88		**Tasl 0002.01 - Project Kick-Off Meeting**	**100%**	**167 days**	**10/1/21**
89		Prepare Kick-Off Meeting Agenda/Materials	100%	7 days	10/1/21
90		USACE Review/Approve Agenda/Materials	100%	7 days	10/8/21
91		Kick-Off Meeting (Work Days)	100%	1 day	10/15/21
92		*Performance Objective Complete - USACE Kick-Off Meeting*	100%	*0 days*	*10/15/21*
93		Prepare/Submit Kick-Off Meeting Minutes	100%	7 days	10/16/21
94		USACE Review/Approve Meeting Minutes	100%	7 days	10/23/21
95		*Performance Objective Complete - USACE Acceptance Kick-Off Meeting Minutes*	100%	*138 days*	*10/29/21*
96		**Task 0002.02 - Progress Review Meetings**	**0%**	**1315 days**	**4/14/22**
97		**Meeting #1**	**0%**	**36 days**	**4/14/22**
98		Prepare Meeting Agenda/Materials	0%	7 days	4/14/22
99		USACE Review/Approve Agenda/Materials	0%	7 days	4/21/22
100		Teleconference Meeting - USACE/ODCS BRAC Div and DASA-ESOH (Work Days)	0%	1 day	4/28/22
101		*Performance Objective Complete - Meeting*	0%	*0 days*	*4/28/22*
102		Prepare/Submit Meeting Minutes	0%	7 days	4/29/22
103		USACE Review/Approve Meeting Minutes	0%	7 days	5/6/22
104		Stakeholder Review Meeting Minutes	0%	7 days	5/13/22
105		*Performance Objective Complete - USACE Acceptance Meeting Minutes*	0%	*0 days*	*5/19/22*
106		**Meeting #2**	**0%**	**38 days**	**10/15/22**
107		Prepare Meeting Agenda/Materials	0%	7 days	10/15/22
108		USACE Review/Approve Agenda/Materials	0%	7 days	10/22/22
109		Teleconference Meeting - USACE/ODCS BRAC Div and DASA-ESOH (Work Days)	0%	1 day	10/31/22
110		*Performance Objective Complete - Meeting*	0%	*0 days*	*10/31/22*
111		Prepare/Submit Meeting Minutes	0%	7 days	11/1/22
112		USACE Review/Approve Meeting Minutes	0%	7 days	11/8/22
113		Stakeholder Review Meeting Minutes	0%	7 days	11/15/22
114		*Performance Objective Complete - USACE Acceptance Meeting Minutes*	0%	*0 days*	*11/21/22*
115		**Meeting #3**	**0%**	**37 days**	**10/15/23**
116		Prepare Meeting Agenda/Materials	0%	7 days	10/15/23



Rl for PFAS at Tipton Airfield Parcel at Fort George G. Meade, Maryland
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Task | Milestone | Summary | Project Summary | Progress

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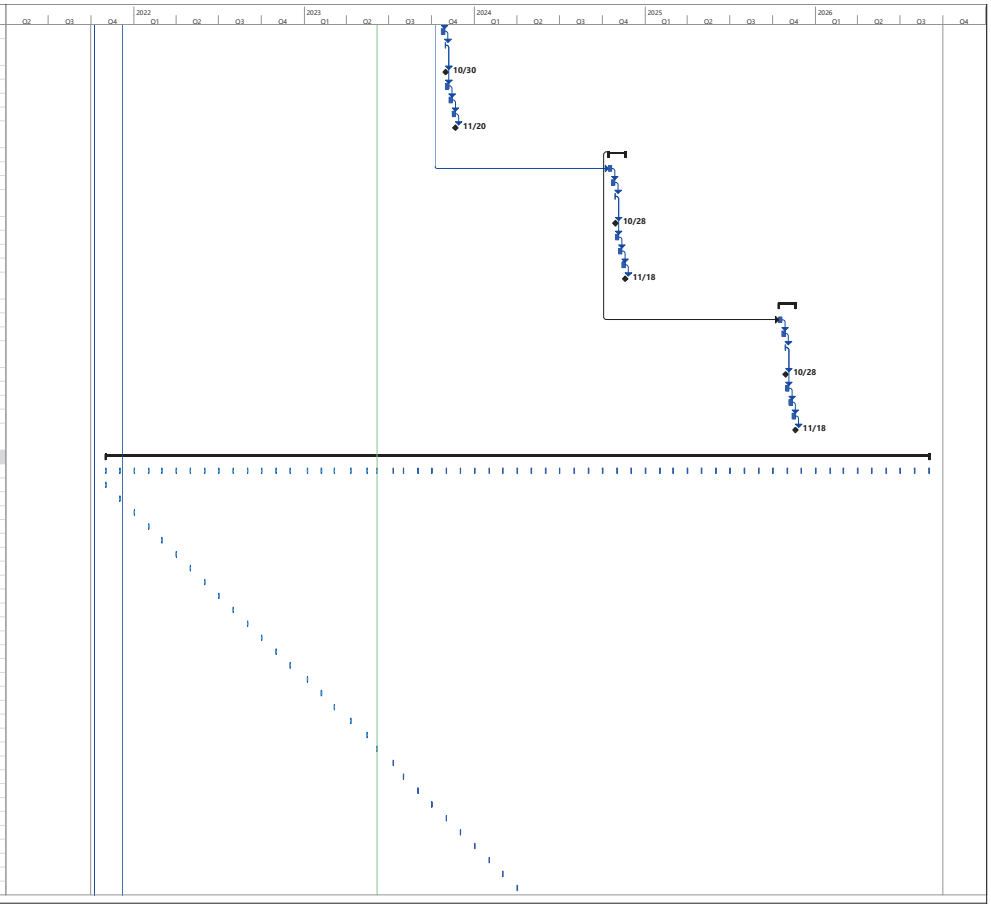
Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
117		USACE Review/Approve Agenda/Materials	0%	7 days	10/22/23
118		Teleconference Meeting - USACE/ODCS BRAC Div and DASA-ESOH (Work Days)	0%	1 day	10/30/23
119		*Performance Objective Complete - Meeting*	0%	*0 days*	*10/30/23*
120		Prepare/Submit Meeting Minutes	0%	7 days	10/31/23
121		USACE Review/Approve Meeting Minutes	0%	7 days	11/7/23
122		Stakeholder Review Meeting Minutes	0%	7 days	11/14/23
123		*Performance Objective Complete - USACE Acceptance Meeting Minutes*	0%	*0 days*	*11/20/23*
124		**Meeting #4**	**0%**	**36 days**	**10/14/24**
125		Prepare Meeting Agenda/Materials	0%	7 days	10/14/24
126		USACE Review/Approve Agenda/Materials	0%	7 days	10/21/24
127		Teleconference Meeting - USACE/ODCS BRAC Div and DASA-ESOH (Work Days)	0%	1 day	10/28/24
128		*Performance Objective Complete - Meeting*	0%	*0 days*	*10/28/24*
129		Prepare/Submit Meeting Minutes	0%	7 days	10/29/24
130		USACE Review/Approve Meeting Minutes	0%	7 days	11/5/24
131		Stakeholder Review Meeting Minutes	0%	7 days	11/12/24
132		*Performance Objective Complete - USACE Acceptance Meeting Minutes*	0%	*0 days*	*11/18/24*
133		**Meeting #5**	**0%**	**36 days**	**10/14/25**
134		Prepare Meeting Agenda/Materials	0%	7 days	10/14/25
135		USACE Review/Approve Agenda/Materials	0%	7 days	10/21/25
136		Teleconference Meeting - USACE/ODCS BRAC Div and DASA-ESOH (Work Days)	0%	1 day	10/28/25
137		*Performance Objective Complete - Meeting*	0%	*0 days*	*10/28/25*
138		Prepare/Submit Meeting Minutes	0%	7 days	10/29/25
139		USACE Review/Approve Meeting Minutes	0%	7 days	11/5/25
140		Stakeholder Review Meeting Minutes	0%	7 days	11/12/25
141		*Performance Objective Complete - USACE Acceptance Meeting Minutes*	0%	*0 days*	*11/18/25*
142		**Task 0002.03 - Monthly Status Meetings**	**34%**	**1766 days**	**11/1/21**
143		**Monthly Status Meetings**	**34%**	**1766 days**	**11/1/21**
144		Monthly Status Meetings 1	100%	1 day	11/1/21
145		Monthly Status Meetings 2	100%	1 day	12/1/21
146		Monthly Status Meetings 3	100%	1 day	1/1/22
147		Monthly Status Meetings 4	100%	1 day	2/1/22
148		Monthly Status Meetings 5	100%	1 day	3/1/22
149		Monthly Status Meetings 6	100%	1 day	4/1/22
150		Monthly Status Meetings 7	100%	1 day	5/1/22
151		Monthly Status Meetings 8	100%	1 day	6/1/22
152		Monthly Status Meetings 9	100%	1 day	7/1/22
153		Monthly Status Meetings 10	100%	1 day	8/1/22
154		Monthly Status Meetings 11	100%	1 day	9/1/22
155		Monthly Status Meetings 12	100%	1 day	10/1/22
156		Monthly Status Meetings 13	100%	1 day	11/1/22
157		Monthly Status Meetings 14	100%	1 day	12/1/22
158		Monthly Status Meetings 15	100%	1 day	1/7/23
159		Monthly Status Meetings 16	100%	1 day	2/6/23
160		Monthly Status Meetings 17	100%	1 day	3/6/23
161		Monthly Status Meetings 18	100%	1 day	4/10/23
162		Monthly Status Meetings 19	100%	1 day	5/15/23
163		Monthly Status Meetings 20	100%	1 day	6/5/23
164		Monthly Status Meetings 21	0%	1 day	7/10/23
165		Monthly Status Meetings 22	0%	1 day	8/1/23
166		Monthly Status Meetings 23	0%	1 day	9/1/23
167		Monthly Status Meetings 24	0%	1 day	10/1/23
168		Monthly Status Meetings 25	0%	1 day	11/1/23
169		Monthly Status Meetings 26	0%	1 day	12/1/23
170		Monthly Status Meetings 27	0%	1 day	1/1/24
171		Monthly Status Meetings 28	0%	1 day	2/1/24
172		Monthly Status Meetings 29	0%	1 day	3/1/24
173		Monthly Status Meetings 30	0%	1 day	4/1/24



RI for PFAS at Tipton Airfield Parcel at Fort George G. Meade, Maryland
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Task Milestone Summary Project Summary Progress

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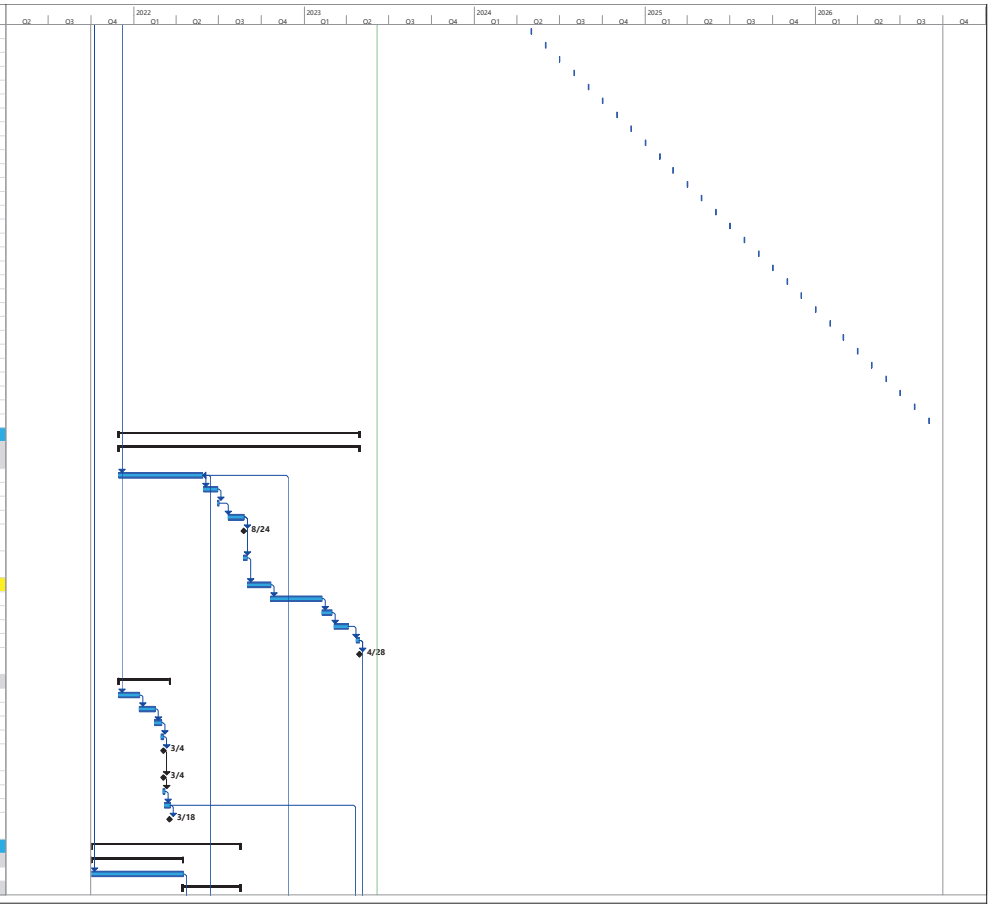
Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
174		Monthly Status Meetings 31	0%	1 day	5/1/24
175		Monthly Status Meetings 32	0%	1 day	6/1/24
176		Monthly Status Meetings 33	0%	1 day	7/1/24
177		Monthly Status Meetings 34	0%	1 day	8/1/24
178		Monthly Status Meetings 35	0%	1 day	9/1/24
179		Monthly Status Meetings 36	0%	1 day	10/1/24
180		Monthly Status Meetings 37	0%	1 day	11/1/24
181		Monthly Status Meetings 38	0%	1 day	12/1/24
182		Monthly Status Meetings 39	0%	1 day	1/1/25
183		Monthly Status Meetings 40	0%	1 day	2/1/25
184		Monthly Status Meetings 41	0%	1 day	3/1/25
185		Monthly Status Meetings 42	0%	1 day	4/1/25
186		Monthly Status Meetings 43	0%	1 day	5/1/25
187		Monthly Status Meetings 44	0%	1 day	6/1/25
188		Monthly Status Meetings 45	0%	1 day	7/1/25
189		Monthly Status Meetings 46	0%	1 day	8/1/25
190		Monthly Status Meetings 47	0%	1 day	9/1/25
191		Monthly Status Meetings 48	0%	1 day	10/1/25
192		Monthly Status Meetings 49	0%	1 day	11/1/25
193		Monthly Status Meetings 50	0%	1 day	12/1/25
194		Monthly Status Meetings 51	0%	1 day	1/1/26
195		Monthly Status Meetings 52	0%	1 day	2/1/26
196		Monthly Status Meetings 53	0%	1 day	3/1/26
197		Monthly Status Meetings 54	0%	1 day	4/1/26
198		Monthly Status Meetings 55	0%	1 day	5/1/26
199		Monthly Status Meetings 56	0%	1 day	6/1/26
200		Monthly Status Meetings 57	0%	1 day	7/1/26
201		Monthly Status Meetings 58	0%	1 day	8/1/26
202		Monthly Status Meetings 59	0%	1 day	9/1/26
203	**0003**	**Task 3: RI Work Plan with UFP-QAPP includes APP/SSHP**	**100%**	**516 days**	**11/29/21**
204		**Task 0003.01 - Proposed Work Plan (w/UFP-QAPP) and Schedule**	**100%**	**516 days**	**11/29/21**
205		Prepare/Submit Draft Work Plan and Schedule	100%	180 days	11/29/21
206		USACE Review Draft Work Plan and Schedule	100%	30 days	5/30/22
207		Response to Comments	100%	3 days	6/29/22
208		USACE Back Check and Review	100%	34 days	7/22/22
209		*Performance Objective Complete - USACE Approve Draft Work Plan and Schedule*	100%	*0 days*	*8/24/22*
210		Incorporate Comments and Prepare/Submit Draft Final Work Plan and Schedule	100%	7 days	8/24/22
211		Stakeholder Review Draft Final Work Plan and Schedule	100%	50 days	9/1/22
212		Response to Comments	100%	110 days	10/21/22
213		USACE Back Check and Review	100%	21 days	2/8/23
214		Stakeholder Review of Final Work Plan	100%	30 days	3/6/23
215		Incorporate Final Comments and Submit	100%	7 days	4/22/23
216		*Performance Objective Complete - USACE Acceptance Final Work Plan and Schedule*	100%	*0 days*	*4/28/23*
217		**Task 0003.02 - APP/SSHP**	**100%**	**110 days**	**11/29/21**
218		Prepare/Submit Draft APP/SSHP	100%	45 days	11/29/21
219		USACE Review of the Draft APP/SSHP	100%	34 days	1/12/22
220		Response to Comments	100%	15 days	2/14/22
221		USACE Back Check and Review	100%	5 days	2/28/22
222		*Performance Objective Complete - USACE Acceptance Draft APP/SSHP*	100%	*0 days*	*3/4/22*
223		Incorporate Comments and Prepare Final APP/SSHP	100%	0 days	3/4/22
224		Stakeholder and USACE Review Final APP/SSHP	100%	4 days	3/4/22
225		Incorporate Final Comments and Submit	100%	12 days	3/7/22
226		*Performance Objective Complete - Stakeholder and USACE Acceptance Final APP/SSHP*	100%	*0 days*	*3/18/22*
227	**0004**	**Task 4: Records Review**	**100%**	**320 days**	**10/1/21**
228		**Task 0004.01 - Records Review**	**100%**	**197 days**	**10/1/21**
229		Records Review	100%	197 days	10/1/21
230		**Task 0004.02 - Letter Report**	**100%**	**124 days**	**4/15/22**



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Task | Milestone | Summary | Project Summary | Progress

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Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
231		Prepare/Submit Draft Letter Report	100%	116 days	4/15/22
232		USACE Review of the Draft Letter Report	100%	41 days	4/27/22
233		Response to Comments	100%	24 days	6/7/22
234		USACE Back Check and Review	100%	13 days	7/1/22
235		*Performance Objective Complete - USACE Approve Draft Letter Report*	100%	*0 days*	*4/26/22*
236		Incorporate Comments and Prepare Draft Final Letter Report	100%	16 days	7/14/22
237		Stakeholder and USACE Review of the Draft Final Letter Report	100%	4 days	8/1/22
238		Response to Comments	100%	0 days	7/29/22
239		USACE Back Check and Review	100%	0 days	8/4/22
240		Incorporate Comments and Prepare Final Letter Report	100%	12 days	8/5/22
241		Stakeholder and USACE Review Final Letter Report	100%	0 days	8/16/22
242		Incorporate Final Comments and Submit	100%	0 days	8/16/22
243		*Performance Objective Complete - Stakeholder and USACE Acceptance Final Letter Report*	100%	*0 days*	*8/16/22*
244	**0005**	**Task 5: Remedial Investigation**	**6%**	**1774 days**	**11/18/21**
245		**Task 0005.01 - Technical Project Planning (TPP) Meetings**	**13%**	**460 days**	**12/1/22**
246		**Meeting #1**	**100%**	**10 days**	**12/1/22**
247		Prepare TPP Meeting Agenda/Materials	100%	0 days	12/1/22
248		USACE Review/Approve TPP Agenda/Materials	100%	0 days	12/1/22
249		Send Invitation Letters	100%	1 day	12/1/22
250		Teleconference TPP Meeting	100%	1 day	12/2/22
251		*Performance Objective Complete - TPP Meeting*	100%	*0 days*	*12/2/22*
252		Prepare/Submit TPP Meeting Minutes	100%	1 day	12/9/22
253		USACE Review/Approve TPP Meeting Minutes	100%	1 day	12/9/22
254		Stakeholder Review TPP Meeting Minutes	100%	1 day	12/9/22
255		*Performance Objective Complete - USACE Acceptance TPP Meeting Minutes*	100%	*1 day*	12/9/22
256		**Meeting #2**	**100%**	**4 days**	**4/21/23**
257		In Person TPP Meeting	100%	1 day	4/21/23
258		*Performance Objective Complete - TPP Meeting*	100%	*0 days*	*4/21/23*
259		Prepare/Submit TPP Meeting Minutes	100%	1 day	*4/21/23*
260		USACE Review/Approve TPP Meeting Minutes	100%	1 day	*4/22/23*
261		Stakeholder Review TPP Meeting Minutes	100%	1 day	*4/23/23*
262		*Performance Objective Complete - USACE Acceptance TPP Meeting Minutes*	100%	*1 day*	*4/24/23*
263		**Meeting #3**	**0%**	**38 days**	**1/27/24**
264		Prepare TPP Meeting Agenda/Materials	0%	7 days	1/27/24
265		USACE Review/Approve TPP Agenda/Materials	0%	7 days	2/3/24
266		Send Invitation Letters	0%	1 day	2/10/24
267		In Person TPP Meeting	0%	1 day	2/12/24
268		*Performance Objective Complete - TPP Meeting*	0%	*0 days*	*2/12/24*
269		Prepare/Submit TPP Meeting Minutes	0%	7 days	2/13/24
270		USACE Review/Approve TPP Meeting Minutes	0%	7 days	2/20/24
271		Stakeholder Review TPP Meeting Minutes	0%	7 days	2/27/24
272		*Performance Objective Complete - USACE Acceptance TPP Meeting Minutes*	0%	*0 days*	*3/4/24*
273		**Meeting #4**	**0%**	**37 days**	**1/23/24**
274		Prepare TPP Meeting Agenda/Materials	0%	7 days	1/23/24
275		USACE Review/Approve TPP Agenda/Materials	0%	7 days	1/30/24
276		Send Invitation Letters	0%	1 day	2/6/24
277		In Person TPP Meeting	0%	1 day	2/7/24
278		*Performance Objective Complete - TPP Meeting*	0%	*0 days*	*2/7/24*
279		Prepare/Submit TPP Meeting Minutes	0%	7 days	2/8/24
280		USACE Review/Approve TPP Meeting Minutes	0%	7 days	2/15/24
281		Stakeholder Review TPP Meeting Minutes	0%	7 days	2/22/24
282		*Performance Objective Complete - USACE Acceptance TPP Meeting Minutes*	0%	*0 days*	*2/28/24*
283		**Task 0005.02 - Remedial Investigation Field Work**	**7%**	**536 days**	**4/21/23**
284		**Mobilization #1**	**100%**	**15 days**	**4/21/23**
285		Site Reconnaissance	100%	1 day	4/21/23
286		Meetings	100%	1 day	4/28/23
287		Equipment delivery/Site Prep	100%	3 days	5/1/23

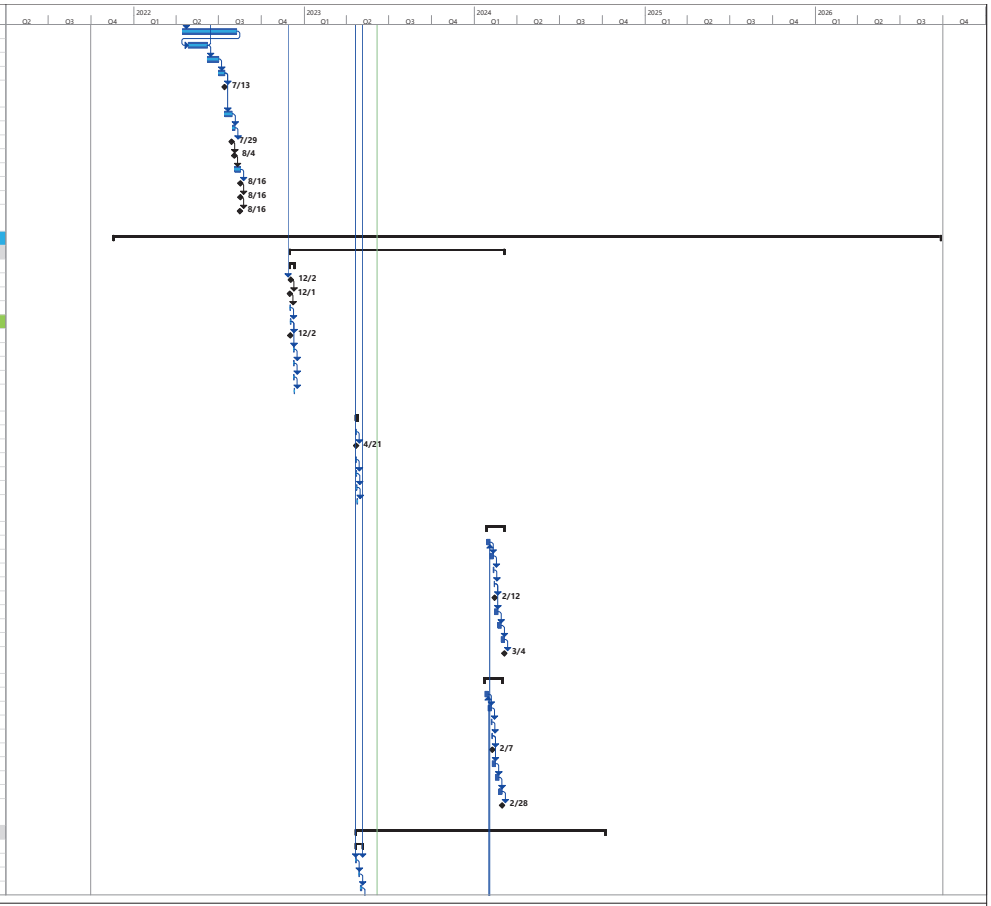

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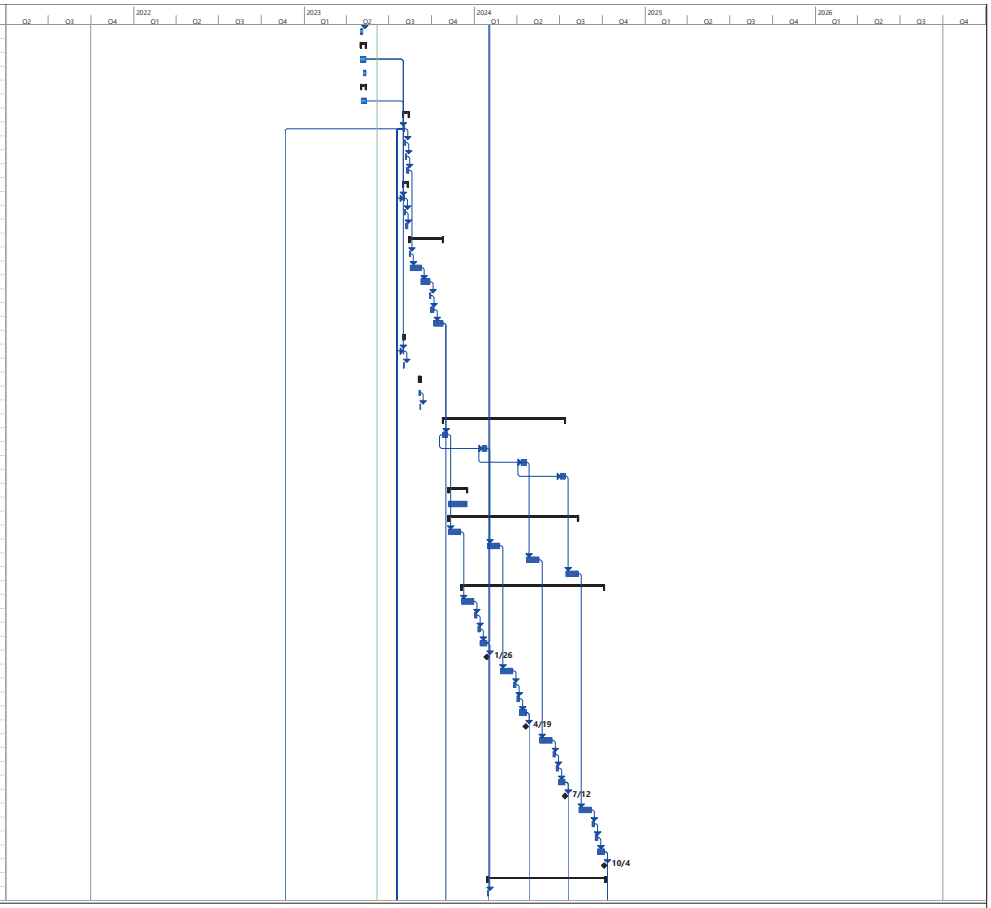
Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
288		Utility Locate and MEC Avoidance	100%	4 days	5/2/23
289		**Drilling**	**100%**	**9 days**	**5/2/23**
290		Drill Rig Mobe, Setup Decon (Work Days)	100%	9 days	5/2/23
291		Drill Borings, Collect Soil & GW Samples (Work Days)	100%	5 days	5/8/23
292		**Surface Soil Investigation**	**100%**	**8 days**	**5/3/23**
293		Surface Soil Sampling (Work Days)	100%	8 days	5/3/23
294		**Mobilization #2**	**0%**	**12 days**	**8/1/23**
295		Site Reconnaissance	0%	3 days	8/1/23
296		Meetings	0%	2 days	8/4/23
297		Equipment delivery/Site Prep	0%	2 days	8/6/23
298		Utility Locate and MEC Avoidance	0%	5 days	8/8/23
299		**Surface Water Investigation**	**0%**	**8 days**	**8/1/23**
300		Thermal Imaging (Work Days)	0%	2 days	8/1/23
301		Surface Water and Sediment Sampling (Work Days)	0%	2 days	8/3/23
302		Pore Water Sampling (Work Days)	0%	4 days	8/7/23
303		**Drilling**	**0%**	**52 days**	**8/14/23**
304		Drill Rig Mobe, Setup Decon (Work Days)	0%	2 days	8/14/23
305		Drill Borings, Collect Soil & GW Samples (Work Days)	0%	17 days	8/16/23
306		Intall Wells (Work Days)	0%	13 days	9/8/23
307		Install Well Pads (Work Days)	0%	2 days	9/27/23
308		Well Development (Work Days)	0%	5 days	9/29/23
309		Slug Tests (Work Days)	0%	13 days	10/6/23
310		**Surface to Groundwater Pathway Investigation**	**0%**	**2 days**	**8/1/23**
311		Lysimeter Install (Work Days)	0%	1 day	8/1/23
312		Lysimeter Sampling (Work Days)	0%	1 day	8/2/23
313		**Waste Disposal/Demobilization**	**0%**	**3 days**	**9/4/23**
314		Driller Demobilization (Work Days)	0%	2 days	9/4/23
315		Weston Demobilization (Work Days)	0%	1 day	9/6/23
316		**Quarterly Sampling**	**0%**	**262 days**	**10/25/23**
317		First Quarterly Well Sampling (Work Days)	0%	8 days	10/25/23
318		Second Quarterly Well Sampling (Work Days)	0%	8 days	1/17/24
319		Third Quarterly Well Sampling (Work Days)	0%	8 days	4/10/24
320		Fourth Quarterly Well Sampling (Work Days)	0%	8 days	7/3/24
321		**Geospatial Database**	**0%**	**40 days**	**11/6/23**
322		Geospatial Database (Work Days)	0%	30 days	11/6/23
323		**Off-Site Analytical**	**0%**	**278 days**	**11/6/23**
324		Q1 Laboratory Analysis (Work Days)	0%	20 days	11/6/23
325		Q2 Laboratory Analysis (Work Days)	0%	20 days	1/29/24
326		Q3 Laboratory Analysis (Work Days)	0%	20 days	4/22/24
327		Q4 Laboratory Analysis (Work Days)	0%	20 days	7/15/24
328		**Validation**	**0%**	**306 days**	**12/4/23**
329		Q1 Data Validation (Work Days)	0%	20 days	12/4/23
330		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	1/1/24
331		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	1/8/24
332		USACE Review/Approve FUDSChem Upload	0%	14 days	1/13/24
333		*Performance Objective Complete - Data Validation*	0%	*0 days*	*1/26/24*
334		Q2 Data Validation (Work Days)	0%	20 days	2/26/24
335		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	3/25/24
336		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	4/1/24
337		USACE Review/Approve FUDSChem Upload	0%	14 days	4/6/24
338		*Performance Objective Complete - Data Validation*	0%	*0 days*	*4/19/24*
339		Q3 Data Validation (Work Days)	0%	20 days	5/20/24
340		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	6/17/24
341		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	6/24/24
342		USACE Review/Approve FUDSChem Upload	0%	14 days	6/29/24
343		*Performance Objective Complete - Data Validation*	0%	*0 days*	*7/12/24*
344		Q4 Data Validation (Work Days)	0%	20 days	8/12/24
345		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	9/9/24
346		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	9/16/24
347		USACE Review/Approve FUDSChem Upload	0%	14 days	9/21/24
348		*Performance Objective Complete - Data Validation*	0%	*0 days*	*10/4/24*
349		**EDD - ERIS**	**0%**	**253 days**	**1/29/24**
350		EDD - ERIS (Work Days)	0%	1 day	1/29/24



RI for PFAS at Tipton Airfield Parcel at Fort George G. Meade, Maryland
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Task Milestone Summary Project Summary Progress

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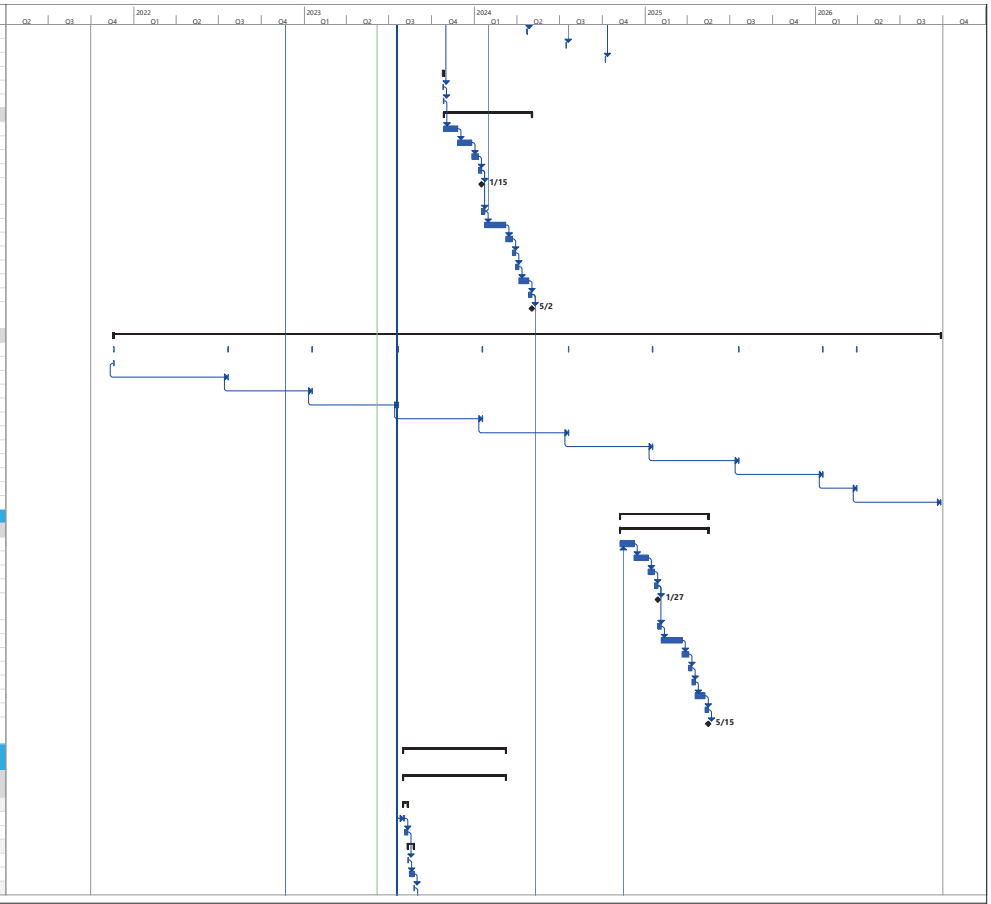
Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
351		EDD - ERIS (Work Days)	0%	1 day	4/22/24
352		EDD - ERIS (Work Days)	0%	1 day	7/15/24
353		EDD - ERIS (Work Days)	0%	1 day	10/7/24
354		**Waste Disposal/Demobilization**	**0%**	**2 days**	**10/25/23**
355		Waste Disposal	0%	1 day	10/25/23
356		Demobilization (Work Days)	0%	1 day	10/26/23
357		**Task 0005.03 - RI Report**	**0%**	**189 days**	**10/27/23**
358		Prepare/Submit Draft RI Report	0%	30 days	10/27/23
359		USACE Review of the Draft RI Report	0%	30 days	11/26/23
360		Response to Comments	0%	14 days	12/26/23
361		USACE Back Check and Review	0%	7 days	1/9/24
362		*Performance Objective Complete - USACE Approve Draft RI Report*	0%	*0 days*	*1/15/24*
363		Incorporate Comments and Prepare Draft Final RI Report	0%	7 days	1/16/24
364		Stakeholder and USACE Review of the Draft Final RI Report	0%	45 days	1/23/24
365		Response to Comments	0%	14 days	3/8/24
366		USACE Back Check and Review	0%	7 days	3/22/24
367		Incorporate Comments and Prepare Final RI Report	0%	7 days	3/29/24
368		Stakeholder and USACE Review Final RI Report	0%	21 days	4/5/24
369		Incorporate Final Comments and Submit	0%	7 days	4/26/24
370		*Performance Objective Complete - Stakeholder and USACE Acceptance Final RI Report*	0%	*0 days*	*5/2/24*
371		**Task 0005.04 - Community Relations Support**	**18%**	**1774 days**	**11/18/21**
372		**RAB Meetings**	**20%**	**1594 days**	**11/18/21**
373		RAB Meetings 1	100%	1 day	11/18/21
374		RAB Meetings 2	100%	1 day	7/21/22
375		RAB Meetings 3	0%	1 day	1/17/23
376		RAB Meetings 4	0%	1 day	7/21/23
377		RAB Meetings 5	0%	1 day	1/17/24
378		RAB Meetings 6	0%	1 day	7/20/24
379		RAB Meetings 7	0%	1 day	1/16/25
380		RAB Meetings 8	0%	1 day	7/20/25
381		RAB Meetings 9	0%	1 day	1/16/26
382		RAB Meetings 10	0%	1 day	3/30/26
383		Admin Record File Updates	0%	1 day	9/26/26
384	0006	**Optional Task 6: Feasibility Study**	**0%**	**189 days**	**11/8/24**
385		**Task 0006.01 - FS Report**	**0%**	**189 days**	**11/8/24**
386		Prepare/Submit Draft FS Report	0%	30 days	11/8/24
387		USACE Review of the Draft FS Report	0%	30 days	12/8/24
388		Response to Comments	0%	14 days	1/7/25
389		USACE Back Check and Review	0%	7 days	1/21/25
390		*Performance Objective Complete - USACE Approve Draft FS Report*	0%	*0 days*	*1/27/25*
391		Incorporate Comments and Prepare Draft Final FS Report	0%	7 days	1/28/25
392		Stakeholder and USACE Review of the Draft Final FS Report	0%	45 days	2/4/25
393		Response to Comments	0%	14 days	3/21/25
394		USACE Back Check and Review	0%	7 days	4/4/25
395		Incorporate Comments and Prepare Final FS Report	0%	7 days	4/11/25
396		Stakeholder and USACE Review Final FS Report	0%	21 days	4/18/25
397		Incorporate Final Comments and Submit	0%	7 days	5/9/25
398		*Performance Objective Complete - Stakeholder and USACE Acceptance Final FS Report*	0%	*0 days*	*5/15/25*
399	0007	**Optional Task 7 - Additional Remedial Investigation Field Sampling and Well Testing Activities: PFAS Analytes**	**0%**	**220 days**	**8/1/23**
400	0007AA	**Task 0007AA - One Additional Monitoring Well, Sampling, Reporting (40' Well)**	**0%**	**220 days**	**8/1/23**
401		**Task 0007AA.1 - Mobilization**	**0%**	**10 days**	**8/1/23**
402		Mobilization/Site-Specific Training (Work Days)	0%	3 days	8/1/23
403		Site Prep/Survey (Work Days)	0%	5 days	8/4/23
404		**Task 0007AA.2 - Well Survey**	**0%**	**13 days**	**8/11/23**
405		Mobilization (Work Days)	0%	1 day	8/11/23
406		Well Survey (Work Days)	0%	8 days	8/14/23
407		Task 0007AA.3 - Utility Locate (Work Days)	0%	1 day	8/24/23



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Task | Milestone | Summary | Project Summary | Progress

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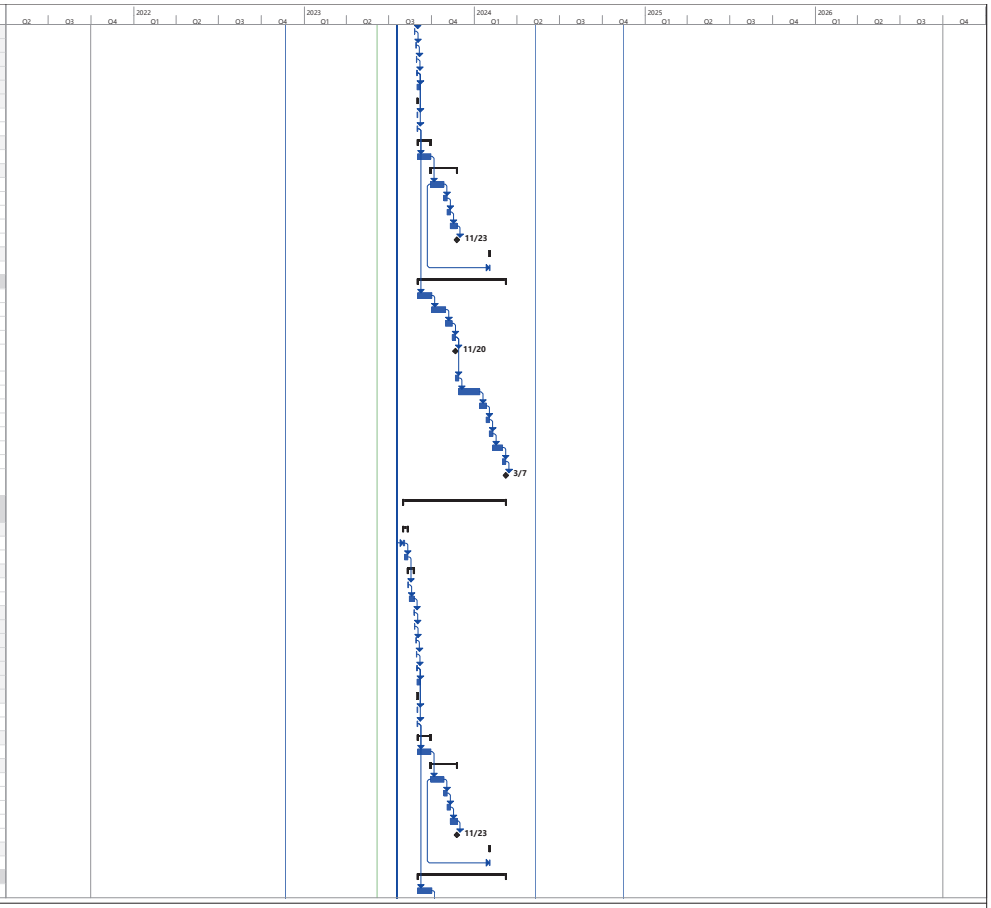
Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
408		Task 0007AA.4 - Drilling (Work Days)	0%	1 day	8/25/23
409		Task 0007AA.5 - Well Development (Work Days)	0%	1 day	8/28/23
410		Task 0007AA.6 - Slug Test (Work Days)	0%	1 day	8/29/23
411		Task 0007AA.7 - Survey (Work Days)	0%	1 day	8/30/23
412		Task 0007AA.8 - Sampling (Work Days)	0%	4 days	8/31/23
413		**Task 0007AA.9 - IWD Management and Disposal**	**0%**	**1 day**	**8/31/23**
414		Waste Disposal	0%	1 day	8/31/23
415		Demobilization (Work Days)	0%	1 day	8/31/23
416		**Task 0007AA.10 - Off-Site Analytical**	**0%**	**28 days**	**9/1/23**
417		Laboratory Analysis (Work Days)	0%	20 days	9/1/23
418		**Task 0007AA.11 - Data Validation**	**0%**	**56 days**	**9/29/23**
419		Data Validation (Work Days)	0%	20 days	9/29/23
420		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	10/27/23
421		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	11/3/23
422		USACE Review/Approve FUDSChem Upload	0%	14 days	11/10/23
423		*Performance Objective Complete - Data Validation*	0%	*0 days*	*11/23/23*
424		**Task 0007AA.12 - EDD - ERIS**	**0%**	**1 day**	**2/2/24**
425		EDD - ERIS (Work Days)	0%	1 day	2/2/24
426		**Task 0007AA.13 - RI Report - Additions**	**0%**	**189 days**	**9/1/23**
427		Prepare/Submit Draft RI Report	0%	30 days	9/1/23
428		USACE Review of the Draft RI Report	0%	30 days	10/1/23
429		Response to Comments	0%	14 days	10/31/23
430		USACE Back Check and Review	0%	7 days	11/14/23
431		*Performance Objective Complete - USACE Approve Draft RI Report*	0%	*0 days*	*11/20/23*
432		Incorporate Comments and Prepare Draft Final RI Report	0%	7 days	11/21/23
433		Stakeholder and USACE Review of the Draft Final RI Report	0%	45 days	11/28/23
434		Response to Comments	0%	14 days	1/12/24
435		USACE Back Check and Review	0%	7 days	1/26/24
436		Incorporate Comments and Prepare Final RI Report	0%	7 days	2/2/24
437		Stakeholder and USACE Review Final RI Report	0%	21 days	2/9/24
438		Incorporate Final Comments and Submit	0%	7 days	3/1/24
439		*Performance Objective Complete - Stakeholder and USACE Acceptance Final RI Report*	0%	*0 days*	*3/7/24*
440	**0007BA**	**Task 0007BA - One Additional Monitoring Well, Sampling, Reporting (150' Well)**	**0%**	**220 days**	**8/1/23**
441		**Task 0007BA.1 - Mobilization**	**0%**	**10 days**	**8/1/23**
442		Mobilization/Site-Specific Training (Work Days)	0%	3 days	8/1/23
443		Site Prep/Survey (Work Days)	0%	5 days	8/4/23
444		**Task 0007BA.2 - Well Survey**	**0%**	**13 days**	**8/11/23**
445		Mobilization (Work Days)	0%	1 day	8/11/23
446		Well Survey (Work Days)	0%	8 days	8/14/23
447		Task 0007BA.3 - Utility Locate (Work Days)	0%	1 day	8/24/23
448		Task 0007BA.4 - Drilling (Work Days)	0%	1 day	8/25/23
449		Task 0007BA.5 - Well Development (Work Days)	0%	1 day	8/28/23
450		Task 0007BA.6 - Slug Test (Work Days)	0%	1 day	8/29/23
451		Task 0007BA.7 - Survey (Work Days)	0%	1 day	8/30/23
452		Task 0007BA.8 - Sampling (Work Days)	0%	4 days	8/31/23
453		**Task 0007BA.9 - IWD Management and Disposal**	**0%**	**1 day**	**8/31/23**
454		Waste Disposal	0%	1 day	8/31/23
455		Demobilization (Work Days)	0%	1 day	8/31/23
456		**Task 0007BA.10 - Off-Site Analytical**	**0%**	**28 days**	**9/1/23**
457		Laboratory Analysis (Work Days)	0%	20 days	9/1/23
458		**Task 0007BA.11 - Data Validation**	**0%**	**56 days**	**9/29/23**
459		Data Validation (Work Days)	0%	20 days	9/29/23
460		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	10/27/23
461		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	11/3/23
462		USACE Review/Approve FUDSChem Upload	0%	14 days	11/10/23
463		*Performance Objective Complete - Data Validation*	0%	*0 days*	*11/23/23*
464		**Task 0007BA.12 - EDD - ERIS**	**0%**	**1 day**	**2/2/24**
465		EDD - ERIS (Work Days)	0%	1 day	2/2/24
466		**Task 0007BA.13 - RI Report - Additions**	**0%**	**189 days**	**9/1/23**
467		Prepare/Submit Draft RI Report	0%	30 days	9/1/23



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Task | Milestone | Summary | Project Summary | Progress

Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
468		USACE Review of the Draft RI Report	0%	30 days	10/1/23
469		Response to Comments	0%	14 days	10/31/23
470		USACE Back Check and Review	0%	7 days	11/14/23
471		*Performance Objective Complete - USACE Approve Draft RI Report*	0%	*0 days*	*11/20/23*
472		Incorporate Comments and Prepare Draft Final RI Report	0%	7 days	11/21/23
473		Stakeholder and USACE Review of the Draft Final RI Report	0%	45 days	11/28/23
474		Response to Comments	0%	14 days	1/12/24
475		USACE Back Check and Review	0%	7 days	1/26/24
476		Incorporate Comments and Prepare Final RI Report	0%	7 days	2/2/24
477		Stakeholder and USACE Review Final RI Report	0%	21 days	2/9/24
478		Incorporate Final Comments and Submit	0%	7 days	3/1/24
479		*Performance Objective Complete - Stakeholder and USACE Acceptance Final RI Report*	0%	*0 days*	*3/7/24*
480	**0007CA**	**Task 0007CA - One Additional Monitoring Well, Sampling, Reporting (325' Well)**	**0%**	**220 days**	**8/1/23**
481		**Task 0007CA.1 - Mobilization**	**0%**	**10 days**	**8/1/23**
482		Mobilization/Site-Specific Training (Work Days)	0%	3 days	8/1/23
483		Site Prep/Survey (Work Days)	0%	5 days	8/4/23
484		**Task 0007CA.2 - Well Survey**	**0%**	**13 days**	**8/11/23**
485		Mobilization (Work Days)	0%	1 day	8/11/23
486		Well Survey (Work Days)	0%	8 days	8/14/23
487		Task 0007CA.3 - Utility Locate (Work Days)	0%	1 day	8/24/23
488		Task 0007CA.4 - Drilling (Work Days)	0%	1 day	8/25/23
489		Task 0007CA.5 - Well Development (Work Days)	0%	1 day	8/28/23
490		Task 0007CA.6 - Slug Test (Work Days)	0%	1 day	8/29/23
491		Task 0007CA.7 - Survey (Work Days)	0%	1 day	8/30/23
492		Task 0007CA.8 - Sampling (Work Days)	0%	4 days	8/31/23
493		**Task 0007CA.9 - IWD Management and Disposal**	**0%**	**1 day**	**8/31/23**
494		Waste Disposal	0%	1 day	8/31/23
495		Demobilization (Work Days)	0%	1 day	8/31/23
496		**Task 0007CA.10 - Off-Site Analytical**	**0%**	**28 days**	**9/1/23**
497		Laboratory Analysis (Work Days)	0%	20 days	9/1/23
498		**Task 0007CA.11 - Data Validation**	**0%**	**56 days**	**9/29/23**
499		Data Validation (Work Days)	0%	20 days	9/29/23
500		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	10/27/23
501		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	11/3/23
502		USACE Review/Approve FUDSChem Upload	0%	14 days	11/10/23
503		*Performance Objective Complete - Data Validation*	0%	*0 days*	*11/23/23*
504		**Task 0007CA.12 - EDD - ERIS**	**0%**	**1 day**	**2/2/24**
505		EDD - ERIS (Work Days)	0%	1 day	2/2/24
506		**Task 0007CA.13 - RI Report - Additions**	**0%**	**189 days**	**9/1/23**
507		Prepare/Submit Draft RI Report	0%	30 days	9/1/23
508		USACE Review of the Draft RI Report	0%	30 days	10/1/23
509		Response to Comments	0%	14 days	10/31/23
510		USACE Back Check and Review	0%	7 days	11/14/23
511		*Performance Objective Complete - USACE Approve Draft RI Report*	0%	*0 days*	*11/20/23*
512		Incorporate Comments and Prepare Draft Final RI Report	0%	7 days	11/21/23
513		Stakeholder and USACE Review of the Draft Final RI Report	0%	45 days	11/28/23
514		Response to Comments	0%	14 days	1/12/24
515		USACE Back Check and Review	0%	7 days	1/26/24
516		Incorporate Comments and Prepare Final RI Report	0%	7 days	2/2/24
517		Stakeholder and USACE Review Final RI Report	0%	21 days	2/9/24
518		Incorporate Final Comments and Submit	0%	7 days	3/1/24
519		*Performance Objective Complete - Stakeholder and USACE Acceptance Final RI Report*	0%	*0 days*	*3/7/24*
520	**0007DA**	**Task 0007DA - One Additional Soil Boring, Sampling, Reporting**	**0%**	**219 days**	**8/1/23**
521		**Task 0007DA.1 - Mobilization**	**0%**	**10 days**	**8/1/23**
522		Mobilization/Site-Specific Training (Work Days)	0%	3 days	8/1/23
523		Site Prep/Survey (Work Days)	0%	5 days	8/4/23
524		**Task 0007DA.2 - Well Survey**	**0%**	**13 days**	**8/11/23**
525		Mobilization (Work Days)	0%	1 day	8/11/23

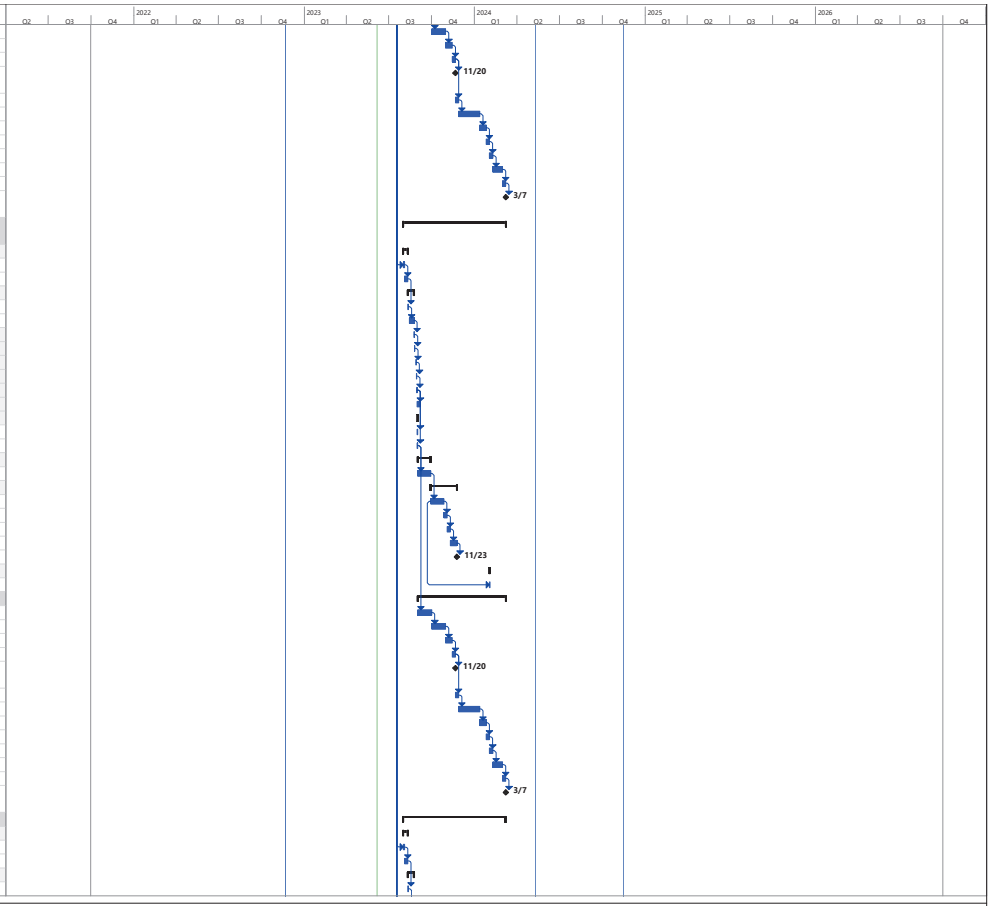

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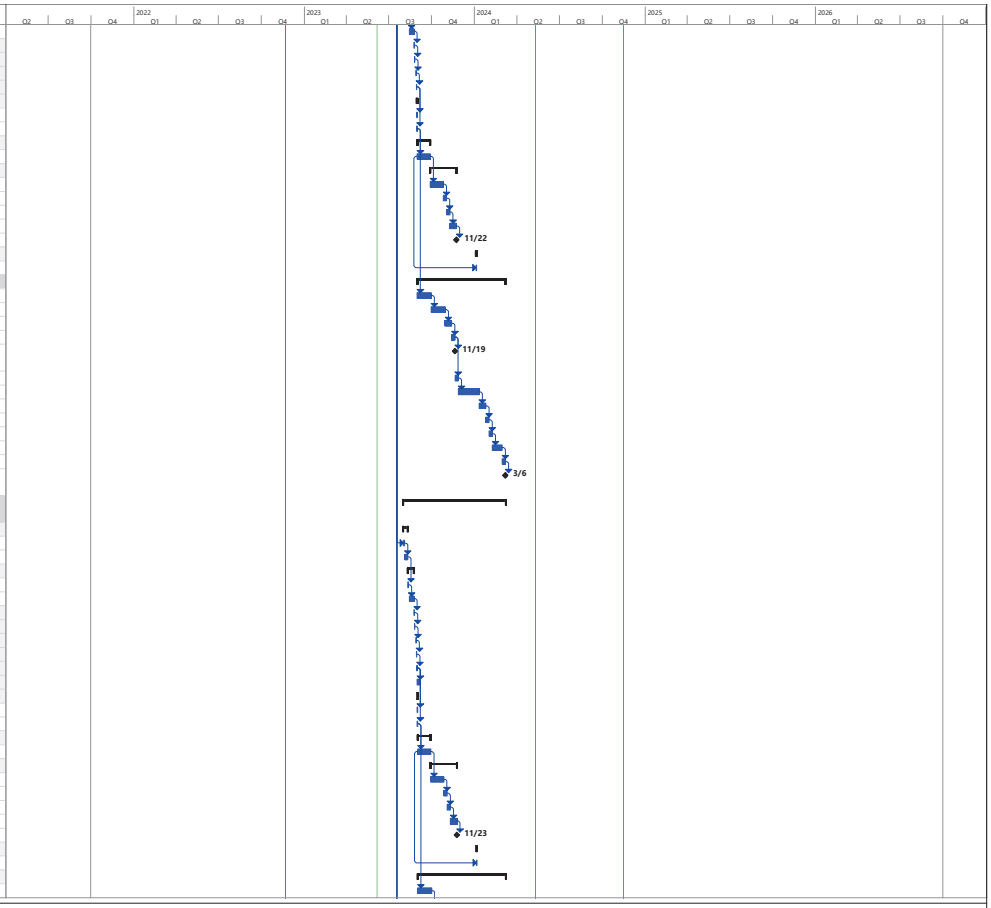
Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
526		Well Survey (Work Days)	0%	8 days	8/14/23
527		Task 0007DA.3 - Utility Locate (Work Days)	0%	1 day	8/24/23
528		Task 0007DA.4 - Drilling (Work Days)	0%	1 day	8/25/23
529		Task 0007DA.5 - Survey (Work Days)	0%	1 day	8/28/23
530		Task 0007DA.6 - Sampling (Work Days)	0%	1 day	8/29/23
531		**Task 0007DA.7 - IWD Management and Disposal**	**0%**	**1 day**	**8/30/23**
532		Waste Disposal	0%	1 day	8/30/23
533		Demobilization (Work Days)	0%	1 day	8/30/23
534		**Task 0007DA.8 - Off-Site Analytical**	**0%**	**28 days**	**8/31/23**
535		Laboratory Analysis (Work Days)	0%	20 days	8/31/23
536		**Task 0007DA.9 - Data Validation**	**0%**	**56 days**	**9/28/23**
537		Data Validation (Work Days)	0%	20 days	9/28/23
538		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	10/26/23
539		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	11/2/23
540		USACE Review/Approve FUDSChem Upload	0%	14 days	11/9/23
541		*Performance Objective Complete - Data Validation*	0%	*0 days*	*11/22/23*
542		**Task 0007DA.10 - EDD - ERIS**	**0%**	**1 day**	**1/4/24**
543		EDD - ERIS (Work Days)	0%	1 day	1/4/24
544		**Task 0007DA.11 - RI Report - Additions**	**0%**	**189 days**	**8/31/23**
545		Prepare/Submit Draft RI Report	0%	30 days	8/31/23
546		USACE Review of the Draft RI Report	0%	30 days	9/30/23
547		Response to Comments	0%	14 days	10/30/23
548		USACE Back Check and Review	0%	7 days	11/13/23
549		*Performance Objective Complete - USACE Approve Draft RI Report*	0%	*0 days*	*11/19/23*
550		Incorporate Comments and Prepare Draft Final RI Report	0%	7 days	11/20/23
551		Stakeholder and USACE Review of the Draft Final RI Report	0%	45 days	11/27/23
552		Response to Comments	0%	14 days	1/11/24
553		USACE Back Check and Review	0%	7 days	1/25/24
554		Incorporate Comments and Prepare Final RI Report	0%	7 days	2/1/24
555		Stakeholder and USACE Review Final RI Report	0%	21 days	2/8/24
556		Incorporate Final Comments and Submit	0%	7 days	2/29/24
557		*Performance Objective Complete - Stakeholder and USACE Acceptance Final RI Report*	0%	*0 days*	*3/6/24*
558	**0007EA**	**Task 0007EA - One DPT Boring with Soil/Groundwater Sampling, Reporting**	**0%**	**220 days**	**8/1/23**
559		**Task 0007EA.1 - Mobilization**	**0%**	**10 days**	**8/1/23**
560		Mobilization/Site-Specific Training (Work Days)	0%	3 days	8/1/23
561		Site Prep/Survey (Work Days)	0%	5 days	8/4/23
562		**Task 0007EA.2 - Well Survey**	**0%**	**13 days**	**8/11/23**
563		Mobilization (Work Days)	0%	1 day	8/11/23
564		Well Survey (Work Days)	0%	8 days	8/14/23
565		Task 0007EA.3 - Utility Locate (Work Days)	0%	1 day	8/24/23
566		Task 0007EA.4 - Drilling (Work Days)	0%	1 day	8/25/23
567		Task 0007EA.5 - Well Development (Work Days)	0%	1 day	8/28/23
568		Task 0007EA.6 - Slug Test (Work Days)	0%	1 day	8/29/23
569		Task 0007EA.7 - Survey (Work Days)	0%	1 day	8/30/23
570		Task 0007EA.8 - Sampling (Work Days)	0%	4 days	8/31/23
571		**Task 0007EA.9 - IWD Management and Disposal**	**0%**	**1 day**	**8/31/23**
572		Waste Disposal	0%	1 day	8/31/23
573		Demobilization (Work Days)	0%	1 day	8/31/23
574		**Task 0007EA.10 - Off-Site AnalytiEAl**	**0%**	**28 days**	**9/1/23**
575		Laboratory Analysis (Work Days)	0%	20 days	9/1/23
576		**Task 0007EA.11 - Data Validation**	**0%**	**56 days**	**9/29/23**
577		Data Validation (Work Days)	0%	20 days	9/29/23
578		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	10/27/23
579		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	11/3/23
580		USACE Review/Approve FUDSChem Upload	0%	14 days	11/10/23
581		*Performance Objective Complete - Data Validation*	0%	*0 days*	*11/23/23*
582		**Task 0007EA.12 - EDD - ERIS**	**0%**	**1 day**	**1/5/24**
583		EDD - ERIS (Work Days)	0%	1 day	1/5/24
584		**Task 0007EA.13 - RI Report - Additions**	**0%**	**189 days**	**9/1/23**
585		Prepare/Submit Draft RI Report	0%	30 days	9/1/23

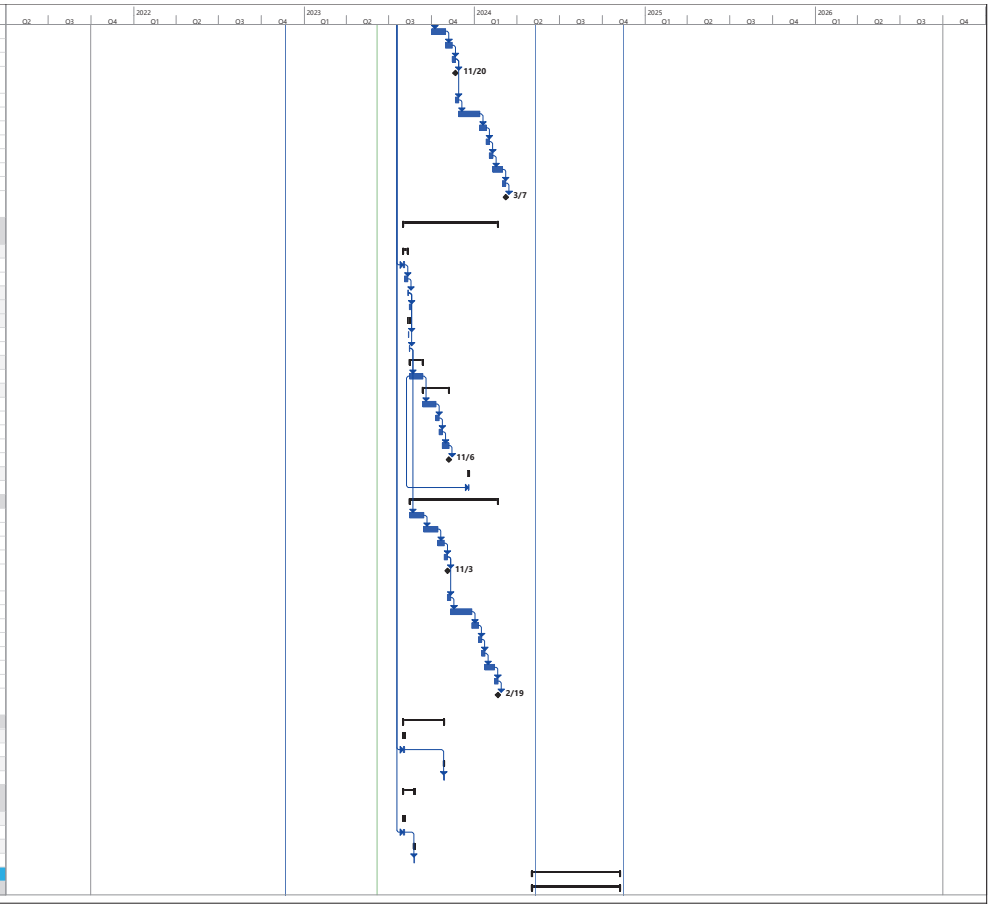


RI for PFAS at Tipton Airfield Parcel at Fort George G. Meade, Maryland
Date: 08/12/21
All Durations Are In Calendar Days Unless Otherwise Noted

Task | Milestone | Summary | Project Summary | Progress

Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
586		USACE Review of the Draft RI Report	0%	30 days	10/1/23
587		Response to Comments	0%	14 days	10/31/23
588		USACE Back Check and Review	0%	7 days	11/14/23
589		*Performance Objective Complete - USACE Approve Draft RI Report*	0%	*0 days*	*11/20/23*
590		Incorporate Comments and Prepare Draft Final RI Report	0%	7 days	11/21/23
591		Stakeholder and USACE Review of the Draft Final RI Report	0%	45 days	11/28/23
592		Response to Comments	0%	14 days	1/12/24
593		USACE Back Check and Review	0%	7 days	1/26/24
594		Incorporate Comments and Prepare Final RI Report	0%	7 days	2/2/24
595		Stakeholder and USACE Review Final RI Report	0%	21 days	2/9/24
596		Incorporate Final Comments and Submit	0%	7 days	3/1/24
597		*Performance Objective Complete - Stakeholder and USACE Acceptance Final RI Report*	0%	*0 days*	*3/7/24*
598	0007FA	**Task 0007FA - One Groundwater Sample from Existing Well, Sampling, Reporting**	0%	203 days	8/1/23
599		**Task 0007DA.1 - Mobilization**	0%	10 days	8/1/23
600		Mobilization/Site-Specific Training (Work Days)	0%	3 days	8/1/23
601		Site Prep/Survey (Work Days)	0%	5 days	8/4/23
602		Task 0007DA.2 - Well Development (Work Days)	0%	1 day	8/11/23
603		Task 0007DA.3 - Sampling (Work Days)	0%	4 days	8/14/23
604		**Task 0007DA.4 - IWD Management and Disposal**	0%	3 days	8/12/23
605		Waste Disposal	0%	1 day	8/12/23
606		Demobilization (Work Days)	0%	1 day	8/14/23
607		**Task 0007DA.5 - Off-Site Analytical**	0%	28 days	8/15/23
608		Laboratory Analysis (Work Days)	0%	20 days	8/15/23
609		**Task 0007DA.6 - Data Validation**	0%	56 days	9/12/23
610		Data Validation (Work Days)	0%	20 days	9/12/23
611		Prepare Analytical Data Submittal for QA (Work Days)	0%	5 days	10/10/23
612		Prepare Electronic Laboratory Data Submittal (Work Days)	0%	5 days	10/17/23
613		USACE Review/Approve FUDSChem Upload	0%	14 days	10/24/23
614		*Performance Objective Complete - Data Validation*	0%	*0 days*	*11/6/23*
615		**Task 0007DA.7 - EDD - ERIS**	0%	1 day	12/19/23
616		EDD - ERIS (Work Days)	0%	1 day	12/19/23
617		**Task 0007DA.8 - RI Report - Additions**	0%	189 days	8/15/23
618		Prepare/Submit Draft RI Report	0%	30 days	8/15/23
619		USACE Review of the Draft RI Report	0%	30 days	9/14/23
620		Response to Comments	0%	14 days	10/14/23
621		USACE Back Check and Review	0%	7 days	10/28/23
622		*Performance Objective Complete - USACE Approve Draft RI Report*	0%	*0 days*	*11/3/23*
623		Incorporate Comments and Prepare Draft Final RI Report	0%	7 days	11/4/23
624		Stakeholder and USACE Review of the Draft Final RI Report	0%	45 days	11/11/23
625		Response to Comments	0%	14 days	12/26/23
626		USACE Back Check and Review	0%	7 days	1/9/24
627		Incorporate Comments and Prepare Final RI Report	0%	7 days	1/16/24
628		Stakeholder and USACE Review Final RI Report	0%	21 days	1/23/24
629		Incorporate Final Comments and Submit	0%	7 days	2/13/24
630		*Performance Objective Complete - Stakeholder and USACE Acceptance Final RI Report*	0%	*0 days*	*2/19/24*
631	0007GA	**Task 0007GA - Mobilization Crew and Drilling Rig**	0%	88 days	8/1/23
632		**Task 0007GA.1 - Mobilization Drill Rig and Crew**	0%	3 days	8/1/23
633		Mobilization/Site-Specific Training (Work Days)	0%	3 days	8/1/23
634		**Task 0007GA.2 - Demoblization Drill Rig and Crew**	0%	1 day	10/27/23
635		Demobilization (Work Days)	0%	1 day	10/27/23
636	0007HA	**Task 0007HA - Mobilization Direct Push Technology Operator and Rig**	0%	24 days	8/1/23
637		**Task 0007GA.1 - Mobilization DPT Operator and Rig**	0%	3 days	8/1/23
638		Mobilization/Site-Specific Training (Work Days)	0%	3 days	8/1/23
639		**Task 0007GA.2 - Demoblization DPT Operator and Rig**	0%	1 day	8/24/23
640		Demobilization (Work Days)	0%	1 day	8/24/23
641	0008	**Optional Task 8: Baseline Ecological Risk Assessment**	0%	189 days	5/3/24
642		**Task 0008.01 - Baseline Ecological Risk Assessment Report**	0%	189 days	5/3/24



RI for PFAS at Tipton Airfield Parcel at Fort George G. Meade, Maryland
Date: 08/12/21
All Durations Are In Calendar Days Unless Otherwise Noted

Task | Milestone | Summary | Project Summary | Progress

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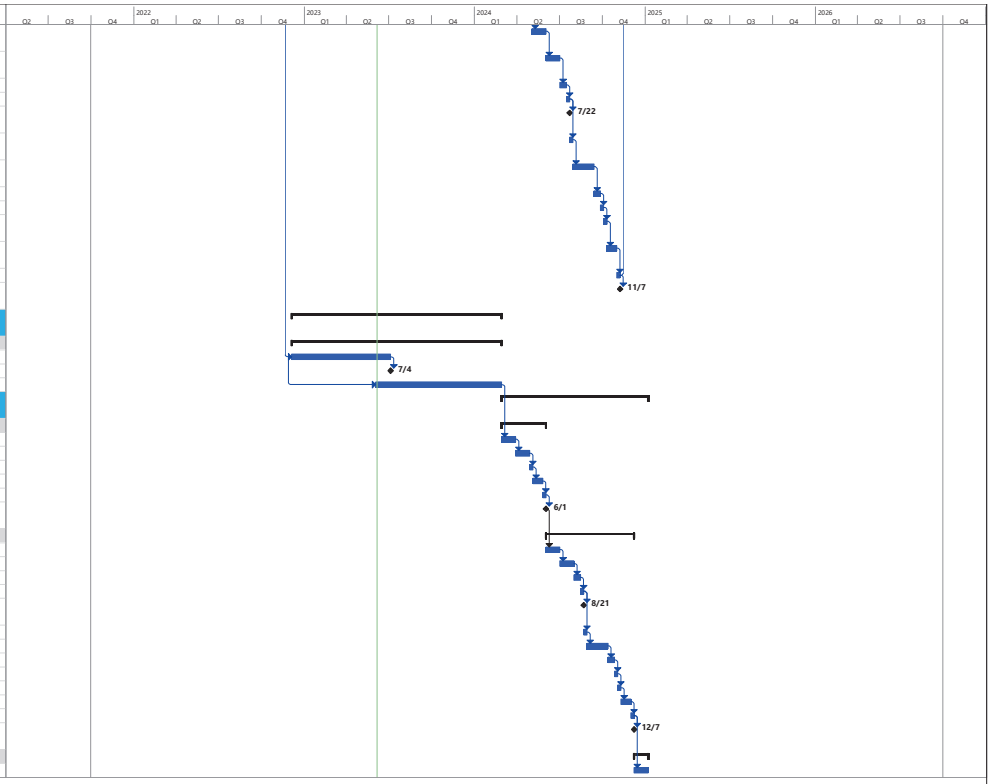
Table 3-1 Project Schedules for Open Sites at Fort Meade

ID	CLIN	Task Name	% Complete	Duration	Start
643		Prepare/Submit Draft Baseline Ecological Risk Assessment Report	0%	30 days	5/3/24
644		USACE Review of the Draft Baseline Ecological Risk Assessment Report	0%	30 days	6/2/24
645		Response to Comments	0%	14 days	7/2/24
646		USACE Back Check and Review	0%	7 days	7/16/24
647		*Performance Objective Complete - USACE Approve Draft Baseline Ecological Risk Assessment Report*	0%	*0 days*	*7/22/24*
648		Incorporate Comments and Prepare Draft Final Baseline Ecological Risk Assessment Report	0%	7 days	7/23/24
649		Stakeholder and USACE Review of the Draft Final Baseline Ecological Risk Assessment Report	0%	45 days	7/30/24
650		Response to Comments	0%	14 days	9/13/24
651		USACE Back Check and Review	0%	7 days	9/27/24
652		Incorporate Comments and Prepare Final Baseline Ecological Risk Assessment Report	0%	7 days	10/4/24
653		Stakeholder and USACE Review Final Baseline Ecological Risk Assessment Report	0%	21 days	10/11/24
654		Incorporate Final Comments and Submit	0%	7 days	11/1/24
655		*Performance Objective Complete - Stakeholder and USACE Acceptance Final Baseline Ecological Risk Assessment Report*	0%	*0 days*	*11/7/24*
656	**0009**	**Optional Task 9: Collection and Analysis of Animal Tissue and/or Agricultural Products for Human Health Risk Assessment**	**0%**	**450 days**	**12/5/22**
657		**Task 0009.01 - RI Work Plan Amendment**	**0%**	**450 days**	**12/5/22**
658		RI Work Plan Amendment	0%	212 days	12/5/22
659		*Performance Objective Complete - RI Work Plan Amendment*	0%	*0 days*	*7/4/23*
660		Tissue Sampling	0%	270 days	6/3/23
661	**0010**	**Optional Task 10: Collection and Analysis of Animal Tissue or Vegetation for Baseline Ecological Risk Assessment**	**0%**	**314 days**	**2/28/24**
662		**Task 0010.01 - Letter Work Plan**	**0%**	**95 days**	**2/28/24**
663		Prepare/Submit Draft Letter Work Plan	0%	30 days	2/28/24
664		USACE Review of the Draft Letter Work Plan	0%	30 days	3/29/24
665		Incorporate Comments and Prepare Final Letter Work Plan	0%	7 days	4/28/24
666		Stakeholder and USACE Review Final Letter Work Plan	0%	21 days	5/5/24
667		Incorporate Final Comments and Submit	0%	7 days	5/26/24
668		*Performance Objective Complete - Stakeholder and USACE Acceptance Final Letter Work Plan*	0%	*0 days*	*6/1/24*
669		**Task 0010.02 - Letter Report**	**0%**	**189 days**	**6/2/24**
670		Prepare/Submit Draft Letter Report	0%	30 days	6/2/24
671		USACE Review of the Draft Letter Report	0%	30 days	7/2/24
672		Response to Comments	0%	14 days	8/1/24
673		USACE Back Check and Review	0%	7 days	8/15/24
674		*Performance Objective Complete - USACE Approve Draft Letter Report*	0%	*0 days*	*8/21/24*
675		Incorporate Comments and Prepare Draft Final Letter Report	0%	7 days	8/22/24
676		Stakeholder and USACE Review of the Draft Final Letter Report	0%	45 days	8/29/24
677		Response to Comments	0%	14 days	10/13/24
678		USACE Back Check and Review	0%	7 days	10/27/24
679		Incorporate Comments and Prepare Final Letter Report	0%	7 days	11/3/24
680		Stakeholder and USACE Review Final Letter Report	0%	21 days	11/10/24
681		Incorporate Final Comments and Submit	0%	7 days	12/1/24
682		*Performance Objective Complete - Stakeholder and USACE Acceptance Final Letter Report*	0%	*0 days*	*12/7/24*
683		**Task 0010.03 - Data Into HHRA**	**0%**	**30 days**	**12/8/24**
684		Prepare/Submit Data int HHRA	0%	30 days	12/8/24



RI for PFAS at Tipton Airfield Parcel at Fort George G. Meade, Maryland
Date: 08/12/21
All Durations Are In Calendar Days Unless Otherwise Noted

Task | Milestone | Summary | Project Summary | Progress

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Table 3-2: PA/SI AOI Summary by Geographic Area

North

Building 940 – MP WR, and OWS (SWMUs 12, 13, 146)
Building 1007 – Army Reserves MP, Vehicle Maintenance, Motor Repair Shop, OWS, and WR
Building 2120c – Vehicle Storage and Maintenance, WR, and OWS (SWMUs 25–28)
Former Building 2128– Vehicle Maintenance MP-16/WR-11 (SWMUs 35, 36)
Building 2804 (SWMU 94)
Building 2805 (SWMU 95)
Building 3000 (SWMU 98)
Former Incinerator Building – 1943 (21½ Street)
MP-13/WR-9
MP-14
MP-17
MP-18/WR-12 MP-19/WR-13
Former Incinerator Site – Reece Road
Possible Dump Site A – 1957 – Former Compliance Cleanup Site
Possible Dump Site B – 1957
Possible Dump Site E – 1957
Possible Dump Sites – 1970
Small Pit – 1952

Golf Course

Site M Parcel 3
Site M Parcel 8

South of 32

Building 73 - Gas Training Building
ASP No. 2
Possible Dump Site G – 1957

Southeast

Building 546 (SWMU 11)
Buildings 2227 and 2234 (SWMUs 43, 44, 147)
Building 2480 - (SWMU 71)
Building 2482 – (SWMU 73)
Building 2490 (SWMU 74)
Building 2501 (SWMUs 75, 76)
Building 2630 (SWMUs 77, 78, 79)
Building 2724 (SWMUs 80–86)

Southeast Continued

Building 2728 (SWMUs 87–92, 148)
Building 2802 (SWMU 93)
Buildings 2810, 2811, 2832 (non-SWMUs 6, 7, 8)
Building 4272 (non-SWMU 9)
Building 4411 (SWMU 99)
Former MP-2
Former MP-6
Former MP-7/WR-6
Former MP-8
Former MP-9
Former MP-10
Former MP-11/WR-7
Former MP-12/WR-8
Possible Vehicle Service Area A – 1943 Possible Vehicle Service Area B – 1943 6th Street and Chisholm Ave.
Stained Soils along 3rd Street
Waste Storage/Disposal Area – 1938

Southwest

Building 4587 (SWMUs 101, 102)
Building 4680 (SWMU 103)
Building 6513 (SWMU 150)
Former Building 6522 (SWMU 151, 152)
Building 6530 (SWMUs 105-108)
Building 8480 (SWMUS 110, 111)
Building 8485 (SWMUS 115, 116, 116A)
Building 8486 (SWMUs 117 and 118)
Buildings 8549, 8550, and 8551 (SWMUs 121-128, 149)
Building 9581 (SWMU 138)
Advanced Wastewater Treatment Plant
Former MP-1/WR-4
Former MP-3/WR-2
Former MP-4
Former MP-5
Former WR-3
IAL4
Fill – 1988

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APPENDIX A

EPA Acceptance Letters of the SMP for Submittal Years 2009 – 2024

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

May 4, 2010

Paul V. Fluck, P.G., REP
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
239 Chisholm Avenue
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: 2009 SMP

Mr. Fluck:

Thank you for the opportunity to review the subject document. EPA has no additional comments on the 2009 SMP and it is EPA's opinion that the document is ready for inclusion in the Administrative Record.

If you have any questions, please contact me at 215-814-3378.

Sincerely,

John Burchette
Remedial Project Manager

cc: Mr. Kurt Scarbro

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

September 15th, 2010

Paul V. Fluck, P.G., REP
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
239 Chisholm Avenue
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: 2010 Site Management Plan

Mr. Fluck:

Thank you for the opportunity to review the 2010 SMP for Fort George G. Meade.

EPA has reviewed the subject document and has no additional comments. It is EPA's opinion that the document is ready for inclusion in the administrative record.

If you have any questions, please contact me at 215-814-3378.

Sincerely,

John Burchette
Remedial Project Manager

cc: Mr. Kurt Scarbro

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

August 29, 2011

Paul V. Fluck, P.G., REP
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
239 Chisholm Avenue
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: 2011 Draft Final Site Management Plan

Mr. Fluck:

Thank you for the opportunity to review the subject document. EPA has no additional comments on the Draft Final SMP. Please submit the Final version of the document when you get the opportunity.

Sincerely,

John Burchette
Remedial Project Manager

cc: Mr. Kurt Scarbro

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

August 6, 2012

Paul V. Fluck, P.G., REP
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
239 Chisholm Avenue
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: 2012 Site Management Plan

Mr. Fluck:

Thank you for the opportunity to review the subject document. EPA has no additional comments on the Site Management Plan. It is EPA's opinion that the document is ready for inclusion in the Administrative Record for the Site.

Sincerely,

John Burchette
Remedial Project Manager

cc: Dr. Elisabeth Green

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

August 26, 2013

Paul V. Fluck, P.G., REP
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
239 Chisholm Avenue
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: 2013 Site Management Plan

Mr. Fluck:

Thank you for the opportunity to review the subject document. EPA has no additional Comments on the SMP. It is the opinion of EPA that the document is ready for inclusion in the administrative record for the site.

Sincerely,

John Burchette
Remedial Project Manager

cc: Dr. Elisabeth Green

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

July 24, 2014

George Knight
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
4215 Roberts Ave.
Room 320
Fort George G. Meade, MD. 20755-7068

Subject: 2014 Site Management Plan

Mr. Knight:

Thank you for the opportunity to review the subject document. EPA has no additional Comments on the SMP. It is the opinion of EPA that the document is ready for inclusion in the administrative record for the site (if applicable).

Sincerely,

John Burchette
Remedial Project Manager

cc: Dr. Elisabeth Green

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

February 19, 2016

George Knight
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
4216 Roberts Ave,
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: Draft Final Site Management Plan 2015 Annual Update, dated December 2015

Dear Mr. Knight:

EPA has reviewed the above referenced document and has no comment. No comments will be submitted and if no changes are made the final version can be included in the administrative record for the site.

EPA reserves all rights and authorities relating to information not contained or referenced in this document whether or not such information was known when this document was issued or discovered after such issuance. If you have any questions, or need any additional information please contact me at 410-305-2748.

Sincerely,

Robert W. Stroud, RPM

cc: Dr. Elisabeth Green

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

July 21, 2016

George Knight
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
4216 Roberts Ave,
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: Draft Site Management Plan, dated June 2016

Dear Mr. Knight:

EPA has reviewed the above referenced document and has no comment. No comments will be submitted and the final version of the document is ready for inclusion in the administrative record for the site.

EPA reserves all rights and authorities relating to information not contained or referenced in this document whether or not such information was known when this document was issued or discovered after such issuance. If you have any questions, or need any additional information please contact me at 410-305-2748.

Sincerely,

Robert W. Stroud, RPM

cc: Dr. Elisabeth Green

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

January 8, 2018

George Knight
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
4216 Roberts Ave,
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: Draft Site Management Plan Annual Update, dated September 2017

Dear Mr. Knight:

EPA has reviewed the above referenced document and has no comment. No comments will be submitted and the final version can be included in the administrative record for the site.

EPA reserves all rights and authorities relating to information not contained or referenced in this document whether or not such information was known when this document was issued or discovered after such issuance. If you have any questions, or need any additional information please contact me at 410-305-2748.

Sincerely,

Robert W. Stroud, RPM

cc: Dr. Elisabeth Green, MDE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

September 20, 2018

George Knight
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
4216 Roberts Ave,
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: Draft Site Management Plan 2018 Annual Update dated August 2018

Dear Mr. Knight:

EPA has reviewed the above referenced document and has no comment at this time. No comments will be submitted and the final version of this document can be included in the administrative record file for the site.

EPA reserves all rights and authorities relating to information not contained or referenced in this document whether or not such information was known when this document was issued or discovered after such issuance. If you have any questions, or need any additional information please contact me at 410-305-2748.

Sincerely,

Robert W. Stroud

Robert W. Stroud, RPM

cc: Elisabeth Green, Ph.D. (MDE)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

August 26, 2019

George Knight
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
4216 Roberts Ave,
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: Draft Site Management Plan, 2019 Annual Update dated July 2019

Dear Mr. Knight:

EPA has reviewed the above referenced document and has no comment at this time. No additional comments will be submitted and the final version of the document can be placed in the administrative record.

EPA reserves all rights and authorities relating to information not contained or referenced in this document whether or not such information was known when this document was issued or discovered after such issuance. If you have any questions, or need any additional information please contact me at 410-305-2748.

Sincerely,

Robert W. Stroud, RPM

cc: Elisabeth Green, Ph.D, MDE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

September 11, 2020

George Knight
Installation Restoration Manager
Department of the Army DPW - Environmental Division
4216 Roberts Ave., Suite 5115
Fort George G. Meade, MD 20755

Re: Draft Site Management Plan, dated June 2020

Dear Mr. Knight:

EPA has reviewed the above referenced document and has no comment. EPA looks forward to the submittal of the final version of the document.

EPA reserves all rights and authorities relating to information not contained or referenced in this document whether or not such information was known when this document was issued or discovered after such issuance.

If you have any questions, or need any additional information please contact me at 410-305-2748.

Sincerely,

Robert W. Stroud, RPM
Federal Facilities Section
Superfund Emergency Management Division

cc: Elisabeth Green, Ph.D. MDE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

February 16, 2022

George Knight
Installation Restoration Manager
Department of the Army DPW - Environmental Division
4216 Roberts Ave., Suite 5115
Fort George G. Meade, MD 20755

Re: 2021 Site Management Plan Annual update, dated December 2021

Dear Mr. Knight:

EPA has reviewed the above referenced document and has no comment. If there are no changes the document can be placed in the administrative record for the site.

EPA reserves all rights and authorities relating to information not contained or referenced in this document whether or not such information was known when this document was issued or discovered after such issuance.

If you have any questions, or need any additional information please contact me at stroud.robert@epa.gov or 410-305-2748.

Sincerely,

Robert W. Stroud, RPM
Federal Facilities Section
Superfund Emergency Management Division

cc: Elisabeth Green, Ph.D. MDE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
4 Penn Center
1600 JFK Blvd.
Philadelphia, Pennsylvania 19103-2029

October 24, 2022

George Knight
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
4216 Roberts Ave,
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: Draft Site Management Plan Annual Update dated June 2022

Dear Mr. Knight:

EPA has reviewed the above referenced document and has no comment at this time. No additional comments will be submitted, and the final version of the document can be placed in the administrative record.

EPA reserves all rights and authorities relating to information not contained or referenced in this document whether or not such information was known when this document was issued or discovered after such issuance. If you have any questions, or need any additional information please contact me at stroud.robert@epa.gov or 410-305-2748.

Sincerely,

Robert W. Stroud

Robert W. Stroud, RPM

cc: Elisabeth Green, Ph.D, MDE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
4 Penn Center
1600 JFK Blvd.
Philadelphia, Pennsylvania 19103-2029

July 26, 2023

Erin Geiger
Installation Restoration Manager
Dept. of Army DPW - Environmental Division
4216 Roberts Ave,
Suite 5115
Fort George G. Meade, MD. 20755-7068

Subject: 2023 Draft Site Management Plan, FGGM, MD, dated June 2023

Dear Ms. Geiger:

EPA has reviewed the above referenced document and has no comment. The document can be finalized and included in the administrative record.

EPA reserves all rights and authorities relating to information not contained or referenced in this document whether or not such information was known when this document was issued or discovered after such issuance. If you have any questions, or need any additional information please contact me at stroud.robert@epa.gov or 410-305-2748.

Sincerely,

Robert W. Stroud

Robert W. Stroud, RPM

cc: Elisabeth Green, Ph. D, MDE

REGION 3
PHILADELPHIA, PA 19103

September 5, 2024

Directorate of Public Works
ATTN: Erin Geiger/Environmental
4216 Roberts Ave., Suite 5115 Fort
Meade, MD 20755

Re: Draft 2024 Site Management Plan (SMP) Annual Update

Dear Ms. Geiger:

EPA has reviewed the Draft 2024 SMP annual update and has no comment. The document can be finalized and included in the administrative record file for the site.

EPA reserves all rights and authorities relating to information not contained or reference in this document whether or not such information was known when this document was issued or discovered after such issuance. If you have any questions or need any additional information, please contact me at stroud.robert@epa.gov or 410-305-2748.

Sincerely,

Robert W. Stroud

Robert W. Stroud, RPM
Office of Federal Facility
Remediation and Site Assessment

cc: Patrick Pence, MDE

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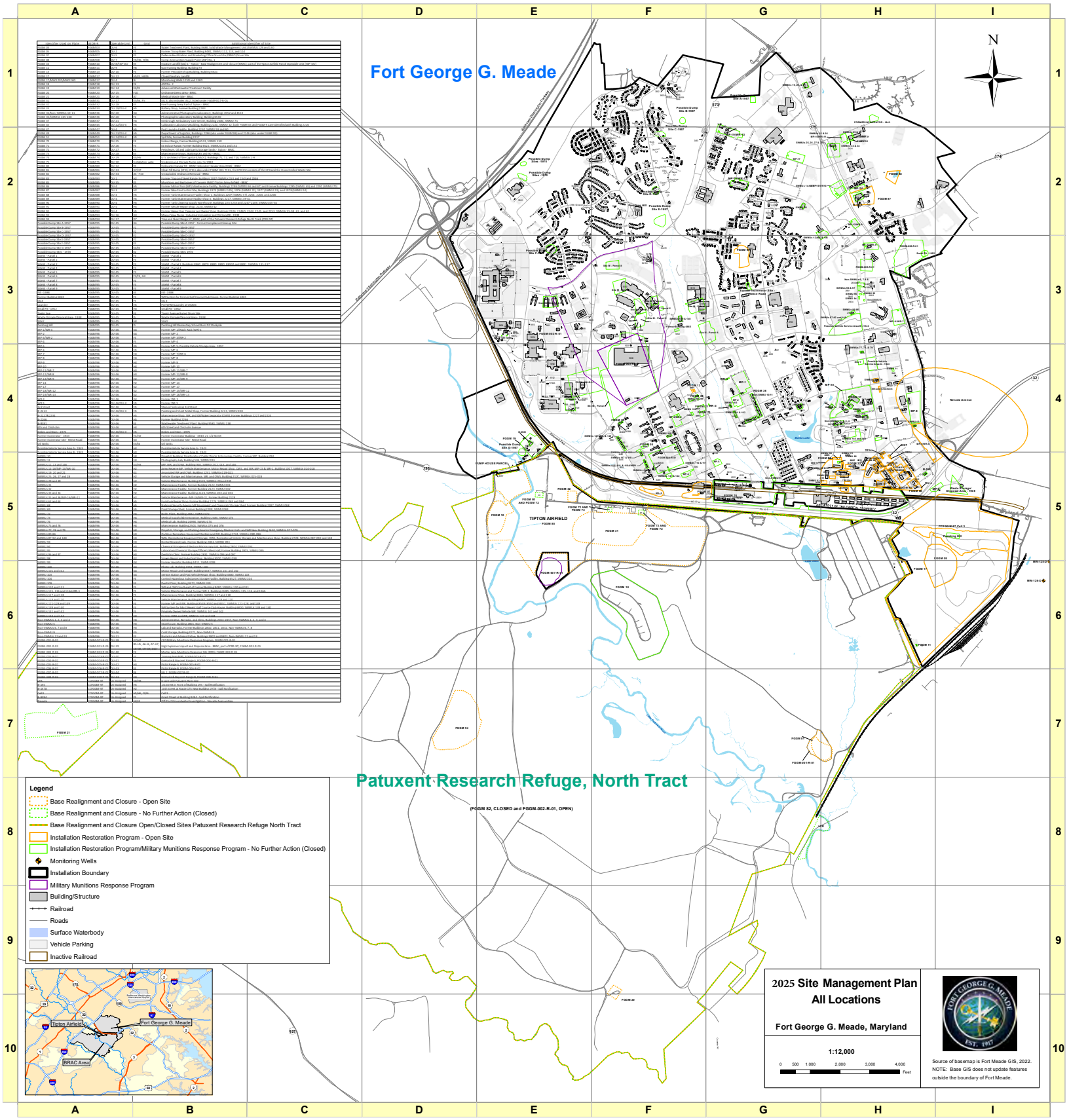
Fort George G. Meade
Patuxent Research Refuge, North Tract
(FGGM 82, CLOSED and FGGM-002-R-01, OPEN)
TIPTON AIRFIELD
N
Legend
Base Realignment and Closure - Open Site
Base Realignment and Closure - No Further Action (Closed)
Base Realignment and Closure Open/Closed Sites Patuxent Research Refuge North Tract
Installation Restoration Program - Open Site
Installation Restoration Program/Military Munitions Response Program - No Further Action (Closed)
Monitoring Wells
Installation Boundary
Military Munitions Response Program
Building/Structure
Railroad
Roads
Surface Waterbody
Vehicle Parking
Inactive Railroad
Tipton Airfield
Fort George G. Meade
BRAC Area
2025 Site Management Plan
All Locations
Fort George G. Meade, Maryland
1:12,000
0 500 1,000 2,000 3,000 4,000 Feet
Source of basemap is Fort Meade GIS, 2022.
NOTE: Base GIS does not update features outside the boundary of Fort Meade.