LETTERKENNY ARMY DEPOT

Army Cleanup Program

Installation Action Plan Final

June 2024

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STATEMENT OF PURPOSE

The Installation Action Plan (IAP) provides evidence that the Army is firmly committed to expeditious identification and cleanup of environmental contamination, and that the installation has a credible, organized program to carry out that commitment. The IAP provides an outline of the total multi-year environmental cleanup program for each site with ongoing or future planned restoration activity and includes the (1) environmental restoration requirements, (2) the rationale for the selected technical approach, and (3) foundation to develop corresponding financial needs for each cleanup site.

INSTALLATION OVERVIEW

Installation Name: LETTERKENNY ARMY DEPOT

Installation City: CHAMBERSBURG

Installation County: FRANKLIN

Installation State: PA

Regulatory Participation - Federal: U.S. Environmental Protection Agency (USEPA) Region 3

Regulatory Participation - State: Pennsylvania Department of Environmental Protection (PADEP)

ACRONYMS

Acronym	Definition
ARAR	Applicable or Relevant and Appropriate Requirements
BRAC	Base Realignment and Closure
CC	Compliance-related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CMI(C)	Corrective Measures Implementation (Construction)
CMI(O)	Corrective Measures Implementation (Operations)
CMS	Corrective Measures Study
CRL	Cleanup Restoration & Liabilities
CS	Confirmation Sampling
DA	Disposal Area
DRMO	Defense Reutilization and Marketing Office
DES	Design
EC	Engineering Controls
ENV	Environmental
ERH	Electrical Resistance Heating
FS	Feasibility Study
FY	Fiscal Year
FYR	Five-Year Review
HRS	Hazard Ranking Score
IAP	Installation Action Plan
ID	Identification
IR	Installation Restoration
IRA	Interim Remedial Action
ISB	In Situ Biodegradation
ISCO	In Situ Chemical Oxidation
IWTP	Industrial Water Treatment Plant
LEAD	Letterkenny Army Depot
LTM	Long-Term Management
LUC	Land Use Control
MCL	Maximum Contaminant Level(s)
mm	millimeter
MNA	Monitored Natural Attenuation
MNR	Monitored Natural Recovery
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol

Acronym	Definition
NPL	National Priorities List
OBP	Oil Burn Pit
OTL	Open Trench Landfill
OU	Operating Unit
PA	Preliminary Assessment
PADEP	Pennsylvania Department of Environmental Protection
PCB	Polychlorinated Biphenyl
PDO	Property Disposal Office
PFAS	Polyfluoroalkyl Substances
RA	Remedial Action
RAB	Restoration Advisory Board
RA(C)	Remedial Action (Construction)
RACR	Remedial Action Completion Report
RA(O)	Remedial Action (Operations)
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI	Remedial Investigation
RIP	Remedy-in-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SAFR	Small Arms Firing Range
SC	Site Closeout
SE	Southeastern Area
SI	Site Inspection
SVOC	Semi-volatile Organic Compound
TAPP	Technical Assistance for Public Participation (TAPP)
TBR	Transfer Burning Revetments
TCE	Trichloroethylene
TCRA	Time Critical Removal Action
TI	Technical Impracticability
TNT	Trinitrotoluene
USEPA	United States Environmental Protection Agency
UU/UE	Unlimited Use / Unrestricted Exposure
VI	Vapor Intrusion

Acronym	Definition
VIP	Vapor Intrusion Pathway
VOC	Volatile Organic Compound
WBS	Work Breakdown Structure

PHASE TRANSLATION TABLE

CERCLA Phase	RCRA Phase	RCRA UST Phase
Preliminary Assessment (PA)	RCRA Facility Assessment (RFA)	Initial Site Characterization (ISC)
Site Inspection (SI)	Confirmation Sampling (CS)	Investigation (INV)
Remedial Investigation/ Feasibility Study (RI/FS)	RCRA Facility Investigation/Corrective Measures Study (RFI/CMS)	Corrective Action Plan (CAP)
Remedial Design (RD)	Design (DES)	Design (DES)
Interim Remedial Action (IRA)	Interim Measure (IM)	Interim Remedial Action (IRA)
Remedial Action (Construction) (RA(C))	Corrective Measures Implementation (Construction) (CMI(C))	Implementation (Construction) (IMP(C))
Remedial Action (Operations) (RA(O))	Corrective Measures Implementation (Operations) (CMI(O))	Implementation (Operations) (IMP(O))
Long-Term Management (LTM)	Long-Term Management (LTM)	Long-Term Management (LTM)

PROGRAM SUMMARY

Number of Open Sites with Response Complete/Total Open IR Sites: 15/31

Number of Open Sites with Response Complete/Total Open MR Sites: 0/1

Number of Open Sites with Response Complete/Total Open CC Sites: 0/0

SITE-LEVEL INFORMATION

42345.1009_LEAD-009_CLAY LINED FTA (AREA B)

Env Site ID: LEAD-009

Cleanup Site: CLAY LINED FTA (AREA B)

Alias: SE OU 5

Regulatory Driver: CERCLA

RIP Date: 11/3/2020

RC Date: 11/3/2020

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	10/31/1993	6/28/2019
RD:	7/1/2019	4/7/2020
IRA:	- -	- -
RA(C):	1/15/2016	11/3/2020
RA(O):	- -	- -
LTM:	12/1/2020	9/30/2054

Site Narrative: Area B is a former fire training area located in the disposal area (DA). Remedial investigation (RI) revealed elevated levels of semi-volatile organic compounds (SVOC) and metals in soils. The record of decision (ROD) for southeastern area (SE) Operating Unit (OU) 5 was signed in June 2019 and includes sites Letterkenny Army Depot (LEAD)-079 (42345.1078) and LEAD-105 (42345.1101). The selected remedy for LEAD-009 is land use controls (LUC), restricting the site to commercial/industrial use. LUCs are documented in the Letterkenny Army Depot master plan. The remedial action completion report (RACR) was signed in November 2020. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - Long-term management (LTM) remedy of LUCs will remain in place as long as soil contaminant levels exceed unlimited use/unrestricted exposure (UU/UE) levels. Annual LUCs inspections are required at the site. The results of the inspections are documented in reports that are submitted to US Environmental Protection Agency (USEPA) and Pennsylvania Department of Environmental Protection (PADEP). Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1010_LEAD-010_OIL BURNING PIT

Env Site ID: LEAD-010

Cleanup Site: OIL BURNING PIT

Alias: PDO OU 4

Regulatory Driver: CERCLA

RIP Date: 12/31/2027

RC Date: 9/30/2057

RC Reason: Not assigned

SC Date: 9/30/2057

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	4/30/1997	4/29/2019
RD:	12/1/2018	6/30/2023
IRA:	5/31/1997	6/30/1999
RA(C):	7/1/2023	12/31/2027
RA(O):	1/1/2028	9/30/2057
LTM:	- -	- -

Site Narrative: Former Oil Burn Pit (OBP), Property Disposal Office (PDO) OU 4, was used for fire training. It is located at the intersection of Georgia Avenue and Scale House Road. Used solvents and oils were dumped into the OBP and set on fire for fire training. Soils and underlying groundwater were contaminated with solvents trichloroethylene (TCE) and 1,1,1-trichloroethane. Volatile organic compounds (VOC) groundwater plume migrates north and south of the OBP. Southern plume migrates onto the adjacent Cumberland Valley Business Park. Interim remedy was completed in the late 1990s addressing VOCs-contaminated soil with situ chemical oxidation (ISCO). The ROD for PDO OU 4 was signed in April 2019. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - LEAD-010 has a technical impracticability (TI) waiver for the groundwater VOCs at the source area. The selected remedy for the VOCs-contaminated groundwater is electrical resistance heating (ERH). Baseline sampling and electrode installation will be required under the remedial action (construction) (RA(C)) phase before startup of ERH system. Remedial action (operations) (RA(O)) groundwater monitoring will be conducted upon completion of ERH treatment and continue as long as necessary. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1029_LEAD-029_ROCKY SPRING LAKE (VOC'S)

Env Site ID: LEAD-029

Cleanup Site: ROCKY SPRING LAKE (VOC'S)

Alias: PDO OU2

Regulatory Driver: CERCLA

RIP Date: 10/1/2015

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	1/31/1991	7/15/2014
RD:	10/15/2013	3/15/2015
IRA:	- -	- -
RA(C):	7/15/2014	9/15/2015
RA(O):	10/1/2015	9/30/2054
LTM:	- -	- -

Site Narrative: This area consists of VOCs-contaminated groundwater (on-post and off-post) in the lower PDO area (PDO OU 2). VOCs-contaminated groundwater originates in the vicinity of the PDO Drum Storage Revetments (LEAD-024, 42345.1024, PDO OU 1) and surfaces at Rocky Spring. Part of the VOCs groundwater plume underlies portions of Letterkenny that will transfer to the Cumberland Valley Business Park under Base Realignment and Closure (BRAC) 95. No sources of VOCs-contaminated soil were found at LEAD-024, and a no further action ROD was signed for PDO OU 1 in August 1991. Years of groundwater sampling and surface water sampling at Rocky Spring showed that VOCs concentrations are dropping over time. PDO OU 2 ROD was signed in July 2014 with the selected remedy of monitored natural attenuation (MNA) and LUCs that allow industrial site-use only and prohibit groundwater use. Annual groundwater monitoring is conducted for VOCs at eight locations, including Rocky Spring Springhouse. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - Annual RA(O) monitoring is anticipated to continue indefinitely as long as groundwater VOCs levels exceed maximum contaminant levels (MCL) and the PADEP ambient water quality criteria of 2.5 micrograms per liter for TCE at Rocky Spring. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, groundwater monitoring, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1036_LEAD-036_LANDFILL 2 (48-52) (AREA J)

Env Site ID: LEAD-036

Cleanup Site: LANDFILL 2 (48-52) (AREA J)

Alias: SE OU 9

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	1/31/1991	9/15/2016
RD:	3/15/2016	10/30/2017
IRA:	7/31/2001	8/31/2001
RA(C):	1/15/2017	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: Landfill J (OU 9) is located west of Building 320. Landfill J was used as a municipal/construction waste landfill during the late 1940s to early 1950s. Geophysical investigation indicated a series of shallow trenches. Excavated materials encountered during the RI included medical waste, drugs, laboratory chemicals, and old engine and vehicle parts. Soil investigation revealed a small area of TCE-contaminated soil that was subsequently removed in 2001. Low levels of VOCs-contaminated groundwater that exceed MCLs have also been detected in the Landfill J/Building 320 area. The area is currently used to store military vehicles. The ROD for SE OU 9 (Landfill J and associated VOCs-contaminated groundwater) was signed in September 2016. The selected remedy for Landfill J is engineering controls (EC) to ensure that Landfill J complies with the Pennsylvania state requirement of a 2-foot soil cover for Landfill J. LUCs limit site use to commercial/industrial only and prohibit groundwater use. In late 2018, additional material was installed at three small areas to meet the state cover requirement. The ECs are documented in the Letterkenny Army Depot master plan. The selected remedy for the VOCs-contaminated groundwater is enhanced in situ biodegradation (ISB). Three injectors have been installed on the west side of Building 320 for the purpose of gravity feeding ISB amendments to remediate the groundwater. One round of ISB injections was completed in 2019. Virtual cap inspection acceptance completed by PADEP in June 2020. The RACR was signed in March 2021. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - Continue RA(O) until VOCs in groundwater do not exceed MCLs. Under the RA(O) phase, ISB amendments will be injected annually initially with associated annual groundwater monitoring that will continue as long as VOCs continue to exceed MCLs. ECs will continue at Landfill J indefinitely. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, groundwater monitoring, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1039_LEAD-039_LANDFILL 5 (64-?) (AREA G), SEC

Env Site ID: LEAD-039

Cleanup Site: LANDFILL 5 (64-?) (AREA G), SEC

Alias: SE OU 12

Regulatory Driver: CERCLA

RIP Date: 9/15/2014

RC Date: 9/15/2014

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	1/31/1995
RI/FS:	10/31/1998	9/30/2012
RD:	12/15/2012	3/15/2014
IRA:	10/15/2007	1/15/2008
RA(C):	1/15/2014	9/15/2014
RA(O):	- -	- -
LTM:	1/15/2015	9/30/2054

Site Narrative: Area G Landfill covers approximately 0.5 acres and is located in the Ammunition Area off East Patrol Road. The landfill was active from 1964 through 1978, and then it was graded to match the existing terrain. The landfill was used to dispose of trash burning pit residue and industrial water treatment plant (IWTP) sludge. Former employees stated that drums of material were buried at this location. Geophysical studies revealed buried metallic objects. During the RI, an interim remedial action (IRA) was completed in January 2008 that consisted of excavation of flammable mastic containers and lead-contaminated soil. The ROD was signed in September 2012 with a remedy of ECs requiring a soil cap to meet Pennsylvania landfill closure regulations and LUCs restricting the site to commercial/industrial use. In May 2014 additional soil cover was added to meet the Pennsylvania landfill closure regulations. Ongoing remedy is ECs to ensure landfill cover meets the Pennsylvania requirement of 2-foot soil cover over the landfill. The RACR was signed in September 2014. The ECs are documented in the Letterkenny Army Depot master plan. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - ECs will remain in place indefinitely due to the landfill at the site. Annual ECs and LUCs inspections are required at the site. The results of the inspections are documented in reports that are submitted to USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1040_LEAD-040_OPEN TRENCH LANDFILL ADJ TO TBR

Env Site ID: LEAD-040

Cleanup Site: OPEN TRENCH LANDFILL ADJ TO TBR

Alias: PDO OU 8

Regulatory Driver: CERCLA

RIP Date: 3/31/2021

RC Date: 3/31/2021

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE: Medium

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	3/31/1996	4/30/2019
RD:	4/15/2016	5/30/2019
IRA:	- -	- -
RA(C):	6/30/2019	3/31/2021
RA(O):	- -	- -
LTM:	5/1/2021	9/30/2054

Site Narrative: The Open Trench Landfill (OTL) (PDO OU 8) is located south of Georgia Avenue along Scale House Road. The landfill operated until the late-1970s. Items buried here include periscopes, fluorescent light tubes, and empty pesticide solvent, and paint cans. VOCs-contaminated groundwater has been discovered downgradient from the landfill, but the contaminated groundwater is attributed to the OBP (LEAD-010, 42345.1010). Soil sampling has been completed. The Army acknowledges the Pennsylvania landfill closure regulations as applicable or relevant and appropriate requirements (ARAR). The ROD for PDO OUs 4, 6, and 8 was signed in April 2019. The selected remedy is LUCs to restrict site use to commercial/industrial only and ECs to ensure that the OTL meets the Pennsylvania requirement for a 2-foot soil cover over the landfill. Additional soil cover to meet the 2-foot soil cover requirement was added in October 2019. The ECs are documented in the Letterkenny Army Depot master plan. Virtual cap inspection acceptance completed by PADEP in November 2020. The RACR was signed in March 2021. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - Annual ECs LUCs inspections are required at the site. The results of the inspections are documented in reports that are submitted to USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1044_LEAD-044_REVETTED AREA NORTH OF BURNING

Env Site ID: LEAD-044

Cleanup Site: REVETTED AREA NORTH OF BURNING

Alias: PDO OU 8

Regulatory Driver: CERCLA

RIP Date: 3/31/2021

RC Date: 3/31/2021

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE: Low

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	10/31/1997	4/25/2019
RD:	9/15/2015	5/31/2019
IRA:	- -	- -
RA(C):	6/1/2019	3/31/2021
RA(O):	- -	- -
LTM:	5/1/2021	9/30/2054

Site Narrative: The Revetted Area North of the Burn Pits is located off Georgia Avenue, adjacent to the OBP (LEAD-010). The site was used to store drums of solvents prior to off-site disposal by a private contractor. Soil results exceeded residential standards but are acceptable for commercial/industrial reuse. LEAD-044 is grouped with PDO OU 8. The ROD for PDO OUs 4, 6, and 8 was signed in April 2019. The selected remedy is LUCs restricting the site to commercial/industrial use. The commercial/industrial LUCs are documented in the Letterkenny Army Depot master plan. The RACR was signed in March 2021. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LTM remedy of LUCs will remain in place as long as soil contaminant levels exceed UU/UE levels. The site requires annual inspections to ensure that LUCs are in place and are effective. Results of the inspections are documented in annual reports that are submitted to the USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1048_LEAD-048_TRANSFER/BURNING REVETMENTS

Env Site ID: LEAD-048

Cleanup Site: TRANSFER/BURNING REVETMENTS

Alias: PDO OU 8

Regulatory Driver: CERCLA

RIP Date: 3/31/2021

RC Date: 3/31/2021

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE: Medium

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	10/31/1997	4/25/2019
RD:	3/31/2015	5/31/2019
IRA:	12/31/2007	3/31/2008
RA(C):	6/1/2019	3/31/2021
RA(O):	- -	- -
LTM:	4/1/2021	9/30/2054

Site Narrative: The Transfer Burning Revetments (TBR) are located at the intersection of Georgia Avenue and Scale House Road. The TBRs were used for open burning of uncontaminated trash. Open burning was halted in the early-1980s. The pits were then used for storing scrap wooden crates and pallets, and a section was used to store empty paint cans. In late 2007, 2,475 tons of dioxin-contaminated ash material were excavated, transported, and disposed of as non-hazardous waste at Blue Ridge Landfill in Scotland, Pennsylvania. Soil investigation results exceeded residential standards but are acceptable for commercial/industrial reuse. LEAD-048 is grouped with PDO OU 8. The ROD for PDO OUs 4, 6, and 8 was signed in April 2019. The remedy for the TBRs is LUCs restricting the site to commercial/industrial use. The commercial/industrial LUCs are documented in the Letterkenny Army Depot master plan. The RACR was signed in March 2021. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - LTM remedy of LUCs will remain in place as long as soil contaminant levels exceed UU/UE levels. Annual LUCs inspections are required at the site. The results of the inspections are documented in reports that are submitted to USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1050_LEAD-050_TNT WASHOUT PLANT

Env Site ID: LEAD-050

Cleanup Site: TNT WASHOUT PLANT

Alias: AMMO

Regulatory Driver: CERCLA

RIP Date: 3/15/2013

RC Date: 3/15/2013

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	5/31/1990	1/31/1995
RI/FS:	4/30/2006	9/30/2012
RD:	9/15/2012	3/15/2013
IRA:	- -	- -
RA(C):	2/15/2013	3/15/2013
RA(O):	2/15/2013	3/15/2013
LTM:	3/15/2013	9/30/2054

Site Narrative: Trinitrotoluene (TNT) Washout Plant was used from 1948 to 1962 to wash TNT out of projectiles and reclaim TNT. An upgraded facility operated from 1969 to 1975 and also used a closed system that filtered rinse water through sawdust, fiberglass, and activated charcoal. Interviews of LEAD employees said past activities involved occasional pumping of rinse water into a ditch beside the building. RI sample results found cyclotrimethylenetrinitramine in the soil and groundwater. The ROD for the TNT Washout Plant was signed in September 2012. The selected remedy is LUCs restricting the site to commercial/industrial use. The LUC remedy is underway. The Letterkenny Army Depot master plan documents the LUCs. The RACR was signed in April 2014. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LTM remedy of LUCs will remain in place as long as soil contaminant levels exceed UU/UE levels. Annual LUCs inspections are required at the site to ensure that the LUCs are in place and effective. Results of these inspections are documented in reports submitted to PADEP and USEPA. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1052_LEAD-052_DISPOSAL AREA TRENCHES (AREA K)

Env Site ID: LEAD-052

Cleanup Site: DISPOSAL AREA TRENCHES (AREA K)

Alias: SE OU 1

Regulatory Driver: CERCLA

RIP Date: 11/30/1997

RC Date: 11/30/1997

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	10/31/1985	7/31/1992
RD:	11/30/1992	3/31/1993
IRA:	- -	- -
RA(C):	7/31/1993	11/30/1997
RA(O):	- -	- -
LTM:	7/31/1998	9/30/2054

Site Narrative: The K-areas are located in the disposal area of the depot. The K-Areas (SE OU 1) were used to dispose of liquid waste and solid waste generated from LEAD industrial activities. The K-1 area (or K-1 Lagoon) was used to dispose of waste solvents used in painting, paint stripping, and degreasing operations at LEAD. The K-1 area was in use from 1957 to 1970. The K-2 area was in use from 1965 to 1970 and included five partially revetted areas used to accumulate solid waste prior to disposal into a nearby landfill. From 1965 to 1970, the K-3 area was used as a drum storage area; it covered an overall area of approximately 100 feet by 40 feet. In 1983, an RI identified that the K-areas contained high levels of VOCs attributed to TCE. The K-1 soils contained up to 5.5 percent TCE and up to 1.5 percent lead. Polychlorinated biphenyls (PCB) and SVOCs were also discovered. In August 1991, an accelerated ROD was signed. The remedial action (RA) started in July 1993 and was completed in October 1995. The VOCs-contaminated soils were excavated, treated with low temperature thermal desorption, returned to the site, and capped (geomembrane) as a Class II residual waste landfill. The RA addressed all soil contamination concerns of this OU. The site has LUCs restricting the use to commercial/industrial. The ECs and LUCs are documented in the Letterkenny Army Depot master plan. VOCs-contaminated groundwater at this site is being addressed by SE OU 3 (LEAD-081, 42345.1080). Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The ECs and LUCs will remain in place as long as capped areas exist. Annual inspections are required at the site to ensure that the ECs and LUCs are in place and are effective. Results of these inspections are documented in annual reports that are submitted to PADEP and USEPA. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1053_LEAD-053_BURNING GROUND 2 (SWMU 58)

Env Site ID: LEAD-053

Cleanup Site: BURNING GROUND 2 (SWMU 58)

Alias: AMMO

Regulatory Driver: CERCLA

RIP Date: 3/15/2013

RC Date: 3/15/2013

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	7/31/1990
SI:	5/31/1990	1/31/1995
RI/FS:	6/15/2006	9/15/2012
RD:	9/15/2012	3/15/2013
IRA:	- -	- -
RA(C):	2/15/2013	3/15/2013
RA(O):	2/15/2013	3/15/2013
LTM:	3/15/2013	9/30/2054

Site Narrative: Burning Ground 2 (ammo area) is located adjacent to Demolition Ground No. 2. The site became operational in 1945 and was used to burn propellant, projectiles, and rocket motors on the open ground. Since 1985, the procedure has been to burn propellants in pans. Residue in the pans is drummed, characterized, and disposed off-site. A Resource Conservation and Recovery Act (RCRA) Subpart X permit renewal application has been submitted for this site and is still pending approval and permit issuance. The area under investigation is the drainage swale leading off-site from Burning Ground 2. Metals and explosives above screening levels were discovered in surface runoff samples. Metals were detected above screening levels in soil, and manganese was detected in groundwater. The ROD for Burning Ground 2 was signed in September 2012. The selected remedy for soils is LUCs restricting the site to commercial/industrial use. The Letterkenny master plan documents the LUCs. The RACR was signed in April 2014. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - Annual LUCs inspections are required at the site. The results of these inspections are documented in reports that are submitted to USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1068_LEAD-068_ROWE SPRING

Env Site ID: LEAD-068

Cleanup Site: ROWE SPRING

Alias: SE OU 6

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/29/1980
SI:	1/31/1981	1/31/1986
RI/FS:	6/30/1989	9/30/2017
RD:	10/1/2017	10/30/2017
IRA:	- -	- -
RA(C):	10/30/2017	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: The disposal area VOCs-contaminated groundwater LEAD-081 (42345.1080) and the IWTP Lagoon Area LEAD-131 (42345.1122) VOCs-contaminated groundwater migrates and merge together off-post where they are addressed under LEAD-076 (SE OU 6). The VOCs-contaminated groundwater flows for 1.5 miles off-post surfacing at Rowe Spring (LEAD-068). LEAD-068 is a portion of the off-post groundwater plume. The ROD for SE OU 3A, 6 and 11 was signed in September 2017 and implemented (monitoring groundwater use restrictions and annual notifications to Greene Township and off-post residents). The ISCO groundwater remedy for LEAD-081 and 131 is underway. The RACR was signed in March 2021. Current use is residential/agricultural. Restoration/Clean-Up Strategy - Perform RA(O) groundwater monitoring until the site qualifies for UU/UE. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1075_LEAD-076_SE OFFPOST GROUNDWATER - IR

Env Site ID: LEAD-076

Cleanup Site: SE OFFPOST GROUNDWATER - IR

Alias: SE OU 6

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	3/31/1986	6/30/1993
RI/FS:	10/15/1993	9/30/2017
RD:	1/15/2014	10/30/2017
IRA:	- -	- -
RA(C):	4/1/2018	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: The disposal area VOCs-contaminated groundwater LEAD-081 (42345.1080) and the IWTP Lagoon Area LEAD-131 (42345.1122) VOCs-contaminated groundwater migrates and merge together off-post forming LEAD-076 (SE OU 6) which flows for 1.5 miles off-post. The ROD for SE OU 3A, 6 and 11 was signed in September 2017 and implemented (monitoring of groundwater use restrictions and annual notifications to Greene Township and off-post residents). The ISCO remedy is being implemented on-post at LEAD-081 and LEAD-131. Groundwater monitoring associated with the ISCO remedy is being conducted within the LEAD-076 groundwater footprint. The RACR was signed in March 2021. Current use is residential/agricultural. The footprint of LEAD-076 includes the following sites - LEAD-068 WBS (Work Breakdown Structure)# 42345.1068, LEAD-086 WBS# 42345.1084, LEAD-087 WBS# 42345.1085, LEAD-088 WBS# 42345.1086, LEAD-096 WBS# 42345.1094, LEAD-104 WBS# 42345.1100. Restoration/Clean-Up Strategy - Perform RA(O) groundwater monitoring until the site qualifies for UU/UE. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1078_LEAD-079_WASTE DISPOSAL TRENCHES AREA A

Env Site ID: LEAD-079

Cleanup Site: WASTE DISPOSAL TRENCHES AREA A

Alias: SE 0U 5

Regulatory Driver: CERCLA

RIP Date: 9/30/2025

RC Date: 9/30/2025

RC Reason: Not assigned

SC Date: 9/30/2055

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	10/31/1993	11/30/2019
RD:	4/15/2016	8/26/2020
IRA:	7/31/1996	8/31/1996
RA(C):	6/30/2019	9/30/2025
RA(O):	- -	- -
LTM:	10/1/2025	9/30/2055

Site Narrative: Area A landfill (SE OU 5) consists of a series of trenches used for solid waste disposal. Contaminated soils were removed in 1996 at a small site within the footprint of Area A – Spill Site Within Area A, LEAD-105 (42345.1101). The ROD for SE OU5 covers sites LEAD-009 (42345.1009), -079 and -105 (42345.1101) and was signed in June 2019. The remedy for LEAD-079 is ECs (a 2-foot cover that complies with the Pennsylvania landfill cover ARARs and LUCs restricting site to commercial/industrial use. These ECs and LUCs are documented in the Letterkenny Army Depot master plan. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LTM remedy of ECs and LUCs will remain in place as long as soil contaminant levels exceed UU/UE levels. Annual inspections are required at the site to ensure that the ECs and LUCs are still effective. Results of these inspections are documented in reports that are submitted to USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1080_LEAD-081_SE ONPOST GROUNDWATER - IR

Env Site ID: LEAD-081

Cleanup Site: SE ONPOST GROUNDWATER - IR

Alias: SE OU 3A

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	3/31/1986	2/28/1989
RI/FS:	3/31/1989	9/30/2017
RD:	1/15/2014	10/30/2017
IRA:	- -	- -
RA(C):	9/30/2017	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: LEAD-081 (SE OU 3A) addresses on-post VOCs-contaminated groundwater in the DA. The DA groundwater and the IWTP Lagoon Area groundwater, LEAD-131 (42345.1122), migrate and merge together off-post where they are addressed under LEAD-076. Source areas of the VOCs plume are the K-Areas disposal lagoons, which have been previously removed, and the Area A landfill. The ROD for SE OUs 3A, 6, and 11 was signed in September 2017. The remedy is ISCO, which is underway, along with LUCs restricting groundwater access and limiting excavation depths. All RA(O) costs will be included under LEAD-081. The RACR was signed in March 2021. Current and future land use is commercial/industrial. Restoration/Clean-Up Strategy - The RA(O) is underway and will continue with groundwater monitoring as part of ISCO treatment and MNA. RA(O) groundwater monitoring will continue as long as groundwater exceeds MCLs. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1082_LEAD-083_INDUSTRIAL WASTE SEWERS-SOILS -

Env Site ID: LEAD-083

Cleanup Site: INDUSTRIAL WASTE SEWERS-SOILS -

Alias: SE OU 2

Regulatory Driver: CERCLA

RIP Date: 9/30/2005

RC Date: 9/30/2005

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	10/31/1993	9/30/2005
RD:	- -	- -
IRA:	8/31/1996	8/31/1997
RA(C):	- -	- -
RA(O):	- -	- -
LTM:	10/31/2008	9/30/2054

Site Narrative: Industrial sewer waste lines have leaked in the past causing soil contamination (VOC). An IRA consisting of VOCs-contaminated soil removal was conducted from fiscal year (FY) 1996 through FY 1997 in the Building 370 area. The ROD was signed in September 2006. The remedy consists of cleaning and abandoning sewer lines and LUCs to maintain commercial/industrial use (i.e., prohibiting residential use). Groundwater contamination resulting from this site will be addressed under LEAD-131 (SE OU 11). LUCs are documented in Letterkenny Army Depot master plan, and the LUCs remedy is underway. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LUCs remedy will continue as long as site exceeds UU/UE levels. Annual LUCs inspections are required at the site. The results of the inspections are documented in reports that are submitted to USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1084_LEAD-086_HELMAN SPRING

Env Site ID: LEAD-086

Cleanup Site: HELMAN SPRING

Alias: SE OU 6

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	12/31/1980
SI:	1/31/1980	12/31/1980
RI/FS:	10/31/1993	9/30/2017
RD:	1/1/2014	10/30/2017
IRA:	- -	- -
RA(C):	4/1/2018	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: The DA VOCs-contaminated groundwater (LEAD-081 (42345.1080)) and IWTP Lagoon Area (LEAD-131 (42345.1122)) VOCs-contaminated groundwater migrate and merge together off-post where they are addressed under LEAD-076 (SE OU 6). The contaminated groundwater flows for 1.5 miles. LEAD-086 (Helman Spring) is a portion of the off-post groundwater plume. The ROD for SE OU 3A, 6, and 11 was signed in September 2017 and implemented (monitoring of groundwater restrictions and annual notifications to Greene Township and off-post residents). The ISCO groundwater remedy for LEAD-081 and 131 is underway. The RACR signed in March 2021. Current use is residential/agricultural. Restoration/Clean-Up Strategy - Perform RA(O) groundwater monitoring remedy until the site qualifies for UU/UE. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1085_LEAD-087_HELMAN SPRING EAST

Env Site ID: LEAD-087

Cleanup Site: HELMAN SPRING EAST

Alias: SE OU 6

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	12/31/1980
SI:	1/31/1980	12/31/1980
RI/FS:	10/31/1993	9/30/2017
RD:	1/30/2014	10/30/2017
IRA:	- -	- -
RA(C):	4/1/2018	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: The DA VOCs-contaminated groundwater (LEAD-081 (42345.1080)) and IWTP Lagoon Area (LEAD-131 (42345.1122)) VOCs-contaminated groundwater migrate and merge together off-post where they are addressed under LEAD-076 (SE OU 6). The contaminated groundwater flows for 1.5 miles. LEAD-087 (Helman Spring East) is a portion of the off-post groundwater plume. The ROD for SE OU 3A, 6, and 11 was signed in September 2017 and implemented (monitoring of groundwater use restrictions and annual notifications to Greene Township and off-post residents). The ISCO groundwater remedy for LEAD-081 and 131 is underway. The RACR was signed in March 2021. Current and future use is residential/agricultural. Restoration/Clean-Up Strategy - Perform RA(O) groundwater monitoring remedy until the site qualifies for UU/UE. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1086_LEAD-088_WITMER SPRING

Env Site ID: LEAD-088

Cleanup Site: WITMER SPRING

Alias: SE OU 6

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	12/31/1980
SI:	1/31/1980	12/31/1980
RI/FS:	10/31/1993	9/30/2017
RD:	1/30/2014	10/30/2017
IRA:	- -	- -
RA(C):	4/1/2018	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: The DA VOCs-contaminated groundwater (LEAD-081 (42345.1080)) and IWTP Lagoon Area (LEAD-131 (42345.1122)) VOCs-contaminated groundwater migrate and merge together off-post where they are addressed under LEAD-076 (SE OU 6). The contaminated groundwater flows for 1.5 miles. LEAD-088 (Witmer Spring) is a portion of the off-post groundwater plume. The ROD for SE OU 3A, 6, and 11 was signed in September 2017 and implemented (monitoring groundwater use restrictions and annual notifications to Greene Township and off-post residents). The ISCO groundwater remedy for LEAD-081 and 131 is underway. The RACR was signed in March 2021. Current and future use is residential/agricultural. Restoration/Clean-Up Strategy - Perform RA(O) groundwater monitoring remedy until the site qualifies for UU/UE. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1094_LEAD-096_NELSON SPRING

Env Site ID: LEAD-096

Cleanup Site: NELSON SPRING

Alias: SE OU 6

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	12/31/1980
SI:	1/31/1980	12/31/1980
RI/FS:	10/31/1993	9/30/2017
RD:	1/1/2014	10/30/2017
IRA:	- -	- -
RA(C):	4/1/2018	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: The DA VOCs-contaminated groundwater (LEAD-081 (42345.1080)) and IWTP Lagoon Area (LEAD-131 (42345.1122)) VOCs-contaminated groundwater migrates and merge together off-post where they are addressed under LEAD-076 (SE OU 6). The contaminated groundwater flows for 1.5 miles. LEAD-096 (Nelson Spring) is a portion of the off-post groundwater plume. The ROD for SE OU 3A, 6, and 11 was signed in September 2017 and implemented (monitoring groundwater use restrictions and annual notifications to Greene Township and off-post residents). The ISCO groundwater remedy for LEAD-081 and 131 is underway. The RACR was signed in March 2021. Current and future use is residential/agricultural. Restoration/Clean-Up Strategy - Perform RA(O) groundwater monitoring remedy until the site qualifies for UU/UE. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1100_LEAD-104_NELSON SPRING EAST

Env Site ID: LEAD-104

Cleanup Site: NELSON SPRING EAST

Alias: SE OU 6

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	12/31/1980
SI:	1/31/1980	12/31/1980
RI/FS:	10/31/1993	9/30/2017
RD:	1/1/2014	10/30/2017
IRA:	- -	- -
RA(C):	10/30/2017	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: The DA VOCs-contaminated groundwater (LEAD-081 (42345.1080)) and IWTP Lagoon Area (LEAD-131 (42345.1122)) VOCs-contaminated groundwater migrate and merge together off-post where they are addressed under LEAD-076 (SE OU 6). The contaminated groundwater flows for 1.5 miles. LEAD-104 (Nelson Spring East) is a portion of the off-post groundwater plume. The ROD for SE OU 3A, 6, and 11 was signed in September 2017 and implemented (monitoring groundwater use restrictions and annual notifications to Greene Township and off-post residents). The ISCO groundwater remedy for LEAD-081 and 131 is underway. The RACR was signed in March 2021. Current and future use is residential/agricultural. Restoration/Clean-Up Strategy - Perform RA(O) groundwater monitoring remedy until the site qualifies for UU/UE. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1101_LEAD-105_SPILL SITE WITHIN AREA A

Env Site ID: LEAD-105

Cleanup Site: SPILL SITE WITHIN AREA A

Alias: SE OU 5

Regulatory Driver: CERCLA

RIP Date: 11/3/2020

RC Date: 11/3/2020

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	10/31/1993	6/28/2019
RD:	1/1/2015	2/20/2020
IRA:	3/31/1997	9/30/1997
RA(C):	3/1/2020	11/3/2020
RA(O):	- -	- -
LTM:	12/1/2020	9/30/2054

Site Narrative: A small area of VOCs-contaminated soil within the footprint of the area A landfill was discovered while completing RI soil sample borings in the mid-90's. The site is referred to as Spill Site Within Area A and contained damaged and intact lab bottles of TCE. An IRA was completed in 1997, which consisted of removing lab bottles and contaminated soil. Contaminated soil was excavated down to the depth of native soil. The site was addressed under a ROD that also includes sites LEAD-009 (42345.1009) and LEAD-079 (42345.1078), which make up SE OU 5. The ROD for SE OU 5 was signed in June 2019. The remedy is LUCs restricting the site use to commercial/industrial land use and ECs (a soil cover). The RACR was signed in November 2020. LUCs are documented in the Letterkenny Army Depot master plan. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LTM remedy of LUCs will remain in place as long as soil contaminant levels exceed UU/UE. Annual LUCs inspections are required at the site. The results of the inspections are documented in reports that are submitted to USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1102_LEAD-106_DRMO SCRAPYARD - PCB'S, METALS,

Env Site ID: LEAD-106

Cleanup Site: DRMO SCRAPYARD - PCB'S, METALS,

Alias: PDO OU 5

Regulatory Driver: CERCLA

RIP Date: 9/16/2016

RC Date: 9/16/2016

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	10/31/1996	7/30/2014
RD:	2/15/2012	3/15/2015
IRA:	4/30/1999	5/31/2000
RA(C):	8/15/2015	9/16/2016
RA(O):	- -	- -
LTM:	10/1/2016	9/30/2054

Site Narrative: The Defense Reutilization and Marketing Office (DRMO) Scrapyard (PDO OU 5) was a concern due to the presence of PCBs, metals, and asbestos resulting from scrapping operations. The runoff from the scrapyard flows to Rocky Spring Lake. An emergency removal of PCB-contaminated soils and sediment was conducted in 1999. The ROD for PDO OU 5 was signed in July 2014. The remedy consisted of an RA to reduce erosion of PCB sediments (monitored natural recovery) and LUCs. In 2015, trees and shrubs were added to the drainageways downgradient of the DRMO scrapyard to help retain sediments. The RACR was signed in September 2016. LTM consists of LUCs restricting the site to commercial/industrial use as documented in the Letterkenny Army Depot master plan. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LTM remedy of LUCs will remain in place as long as soil contaminant levels exceed UU/UE levels. Annual LUCs inspections are required at the site. The results of the inspections are documented in reports that are submitted to the USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1103_LEAD-107_ROCKY SPRING PCB SEDIMENTS

Env Site ID: LEAD-107

Cleanup Site: ROCKY SPRING PCB SEDIMENTS

Alias: PDO OU 5

Regulatory Driver: CERCLA

RIP Date: 10/1/2016

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	1/31/1980	2/28/1986
RI/FS:	10/31/1996	7/15/2014
RD:	2/15/2012	3/15/2015
IRA:	4/30/1999	5/31/2000
RA(C):	8/15/2015	9/20/2016
RA(O):	10/1/2016	9/30/2054
LTM:	- -	- -

Site Narrative: PCB-contaminated sediments were discovered to be discharging from Rocky Spring, which led to the creation of PDO OU 5. The source of the PCBs is the DRMO Scrapyard, LEAD-106 (42345.1102). The ROD for PDO OU 5 was signed in July 2014, and the selected remedy is monitored natural recovery (MNR) of PCBs and LUCs. The RA(O) remedy is comprised of annual PCB sediment sampling within the Rocky Spring drainage system and five-year review fish tissue sampling; actions to reduce PCB sediment erosion; and LUCs. In 2015, trees and shrubs were added to the drainage ways downgradient of the DRMO Scrapyard to help reduce PCB sediment erosion. The RACR was signed in September 2016. LUCs consist of a catch and release fishing policy and no swimming/wading at Rocky Spring Lake. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The RA(O) remedy of MNR sampling and LTM. LUCs will remain in place as long as PCB sediment contaminant levels exceed UU/UE levels. Annual LUCs inspections are required at the site. The results of the inspections are documented in reports that are submitted to the USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1105_LEAD-111_FAGAN'S QUARRY

Env Site ID: LEAD-111

Cleanup Site: FAGAN'S QUARRY

Alias: PDO OU 6

Regulatory Driver: CERCLA

RIP Date: 9/16/2016

RC Date: 9/16/2016

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	10/31/1997	12/31/1998
RI/FS:	3/31/1999	7/15/2014
RD:	2/15/2014	12/15/2014
IRA:	- -	- -
RA(C):	7/15/2014	9/16/2016
RA(O):	- -	- -
LTM:	10/1/2016	9/30/2054

Site Narrative: Fagan's Quarry (PDO OU 6) is located at the corner of Pennsylvania Avenue and South Patrol Road. The quarry was in existence prior to the creation of LEAD. LEAD used the quarry as a construction debris landfill. The landfill contains roofing shingles/paper, railroad ties, bricks, burnt debris, and ash. SVOCs in soils exceed residential levels, thus requiring LUCs for commercial/industrial reuse. In addition, ECs are required to ensure that a 2-foot soil cover remains in place to prevent exposure to landfill waste. Sufficient soil cover is already in place. Therefore, placement of additional soil cover has not been necessary. The lower PDO ROD, which included LEAD-111, was signed in July 2014. The selected remedy is LUCs restricting the site to commercial/industrial use and ECs to ensure there is a 2-foot soil cover over the landfill. These LUCs and ECs are documented in the Letterkenny Army Depot master plan. The RACR was signed in September 2016. LEAD-111 was initially a BRAC site, but during ROD preparation the decision was made to retain this property. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LTM remedy of ECs and LUCs will remain in place as long as soil contaminant levels exceed UU/UE levels. Annual ECs and LUCs inspections are required at the site. The results of these inspections are documented in reports that are submitted to USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1106_LEAD-112_AMMUNITION DRUM PADS

Env Site ID: LEAD-112

Cleanup Site: AMMUNITION DRUM PADS

Alias: PDO OU 8

Regulatory Driver: CERCLA

RIP Date: 3/31/2021

RC Date: 3/31/2021

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	9/30/1995	9/30/1996
SI:	10/31/1997	3/31/1999
RI/FS:	3/31/1999	4/25/2019
RD:	1/30/2015	5/31/2019
IRA:	- -	- -
RA(C):	6/1/2019	3/31/2021
RA(O):	- -	- -
LTM:	4/1/2021	9/30/2054

Site Narrative: The Ammunition Drum Pad (PDO OU 8) was used to store hazardous waste drums. However, the pad was not permitted as a RCRA storage unit, although the drums were stored for a period greater than 90 days. In 2011, a RCRA closure was completed at the Ammo Drum Pad in conjunction with the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) RI. Soil sample results showed concentrations of metals, SVOCs, and PCBs at concentrations exceeding UU/UE levels. The Ammo Drum Pad was included in the ROD for PDO OUs 4, 6, and 8. The remedy is LUCs restricting the site to commercial/industrial use. The ROD was signed in April 2019. These LUCs are documented in the Letterkenny Army Depot master plan. The RACR was signed in March 2021. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LTM remedy of LUCs will remain in place as long as soil contaminant levels exceed UU/UE levels. Annual LUCs inspections are required at the site. The results of these inspections are documented in reports that are submitted to the USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1122_LEAD-131_IWTP LAGOON GROUNDWATER

Env Site ID: LEAD-131

Cleanup Site: IWTP LAGOON GROUNDWATER

Alias: SE OU 11

Regulatory Driver: CERCLA

RIP Date: 4/1/2021

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/31/1980	2/28/1986
SI:	3/31/1986	2/28/1989
RI/FS:	3/31/1989	9/30/2017
RD:	3/15/2014	10/30/2017
IRA:	- -	- -
RA(C):	10/30/2017	3/31/2021
RA(O):	4/1/2021	9/30/2054
LTM:	- -	- -

Site Narrative: LEAD-131 (SE OU 11) addresses on-post VOCs-contaminated groundwater at the IWTP Lagoon Area. The DA VOCs-contaminated groundwater (LEAD-081 (42345.1080)) and IWTP Lagoon Area (LEAD-131 (42345.1122)) VOCs-contaminated groundwater migrate and merge together off-post where they are addressed under LEAD-076 (SE OU 6). The contaminated groundwater flows for 1.5 miles. Source area of the VOCs plume is the IWTP lagoon, which was previously removed. The ROD for SE OU 3A, 6, and 11 was signed in September 2017. The remedy is ISCO, which is underway along with LUCs restricting groundwater access. The RACR was signed in March 2021. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - LEAD-131 has a TI waiver for the groundwater VOCs at the source area. RA(O) is underway and will continue with groundwater monitoring as part of ISCO treatment and MNA as long as VOCs exceed MCLs. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1124_LEAD-132_FORMER TEST TRACK/SOIL STORAGE

Env Site ID: LEAD-132

Cleanup Site: FORMER TEST TRACK/SOIL STORAGE

Alias: SE OU 14

Regulatory Driver: CERCLA

RIP Date: 9/12/2016

RC Date: 9/12/2016

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 37.5

RRSE: Low

MRSPP: N/A

Phase	Start	End
PA:	1/1/1980	1/15/1980
SI:	1/1/1980	2/15/1989
RI/FS:	9/15/1995	3/15/2016
RD:	2/15/2015	3/15/2016
IRA:	- -	- -
RA(C):	2/15/2012	9/12/2016
RA(O):	- -	- -
LTM:	9/15/2016	9/30/2054

Site Narrative: This site was formerly used as a vehicle testing area and contaminated soil staging area (soil from Building 349 aboveground storage tank containment area). The site was originally part of BRAC site LEAD-114, but the area is now being retained by LEAD. Soil contaminants (metals and petroleum, oil, and lubricants) are present above UU/UE levels. The ROD for LEAD-132 (SE OU 14) was signed in August 2016. The remedy is underway and consists of LUCs restricting the site to commercial/industrial use. These LUCs are documented in the Letterkenny master plan. The RACR was signed in September 2016. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LTM remedy of LUCs will remain in place as long as soil contaminant levels exceed UU/UE levels. Annual LUCs inspections are required at the site. The results of the inspections are documented in reports that are submitted to the USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1125_LEAD-133_BUILDINGS WITH VAPOR INTRUSION

Env Site ID: LEAD-133

Cleanup Site: BUILDINGS WITH VAPOR INTRUSION

Alias: SE OU 15

Regulatory Driver: CERCLA

RIP Date: 11/3/2020

RC Date: 11/3/2020

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/15/1980	2/15/1986
SI:	1/15/1980	2/15/1986
RI/FS:	7/15/2014	5/4/2020
RD:	5/15/2015	6/30/2020
IRA:	- -	- -
RA(C):	6/30/2020	11/3/2020
RA(O):	- -	- -
LTM:	12/1/2020	9/30/2054

Site Narrative: LEAD-133 (SE OU 15) addresses VOCs vapor intrusion (VI) of SE area industrial buildings along East Patrol Road. These on-post industrial buildings are underlain by VOCs-contaminated groundwater (LEAD-131, 42345.1122 (SE OU 11)). There is concern that the vapor intrusion pathway (VIP) could provide a potential unacceptable risk to workers. VIP sampling conducted to date in Buildings 350 and 360 has resulted in sub-slab detections but does not show an indoor air issue. The ROD for SE OU 15 was signed April 2020. The LTM remedy consists of LUCs (commercial/industrial use restrictions) and annual VIP monitoring at select buildings. These LUCs are documented in the Letterkenny master plan. The RACR was signed in November 2020. Current and future use is commercial/industrial. Restoration/Clean-Up Strategy - The LTM remedy (LUCs and VIP monitoring) will continue as long as VOCs-contaminated groundwater underlying the buildings exceeds clean-up levels. Results of monitoring and inspections are documented in annual reports that are submitted to the USEPA and PADEP. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections, annual VIP sampling, and periodic remedy reviews will continue indefinitely.

42345.1126_LEAD-134_RESIDENTIAL VAPOR INTRUSION

Env Site ID: LEAD-134

Cleanup Site: RESIDENTIAL VAPOR INTRUSION

Alias: SE OU 16

Regulatory Driver: CERCLA

RIP Date: 10/1/2022

RC Date: 9/30/2054

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 34.2

RRSE: High

MRSPP: N/A

Phase	Start	End
PA:	1/15/1980	2/15/1986
SI:	1/15/1980	2/15/1986
RI/FS:	1/15/2015	11/16/2021
RD:	10/1/2021	5/1/2022
IRA:	6/15/2017	8/30/2018
RA(C):	12/1/2021	9/30/2022
RA(O):	10/1/2022	9/30/2054
LTM:	- -	- -

Site Narrative: LEAD-134 (SE OU 16) addresses VOCs VI at residences located off-post of the LEAD SE area. VOCs-contaminated groundwater migrates off-post from LEAD-081 (42345.1080) and LEAD-131 (42345.1122) underlying LEAD-134. A time critical removal action (TCRA) was completed in 2018 with the installation of vapor mitigation systems at three residences. The groundwater associated with LEAD-081 and 131 is being addressed separately under those sites. Three residences had vapor mitigation systems installed under the TCRA. The ROD was signed in November 2021. The remedy includes LUCs in the form of informational devices provided to the affected residences and Greene Township. Current and future use is residential/agricultural. Restoration/Clean-Up Strategy - The selected remedy will continue the operation of the vapor mitigation systems and air monitoring at remaining residences to include mitigated residences. Other residences will continue to be monitored annually as long as VOCs-contaminated groundwater underlies their houses. The ongoing ISCO groundwater remedy for LEAD-081 and 131 will shrink the VOCs groundwater plume back to the Letterkenny Army Depot boundary, thus allowing the vapor mitigation systems to be turned off in the future, followed by routine vapor monitoring. RA(O) will be required as long as VOCs-contaminated groundwater underlies the residences. RA(O) will include informational devices to all residents within the VOCs groundwater plume and Greene Township officials. Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews will continue indefinitely.

42345.1128_LEAD-135_PFAS

Env Site ID: LEAD-135
Cleanup Site: PFAS
Alias: #
Regulatory Driver: CERCLA
RIP Date: 2/2/2029
RC Date: 2/2/2029
RC Reason: Not assigned
SC Date: 2/3/2029
Program: ENV Restoration, Army
Subprogram: IR
NPL Status: Yes
Hazardous Ranking Score: 34.2
RRSE:
MRSPP: N/A

Phase	Start	End
PA:	9/30/2017	9/15/2019
SI:	12/15/2019	8/15/2022
RI/FS:	1/3/2022	2/2/2029
RD:	- -	- -
IRA:	- -	- -
RA(C):	- -	- -
RA(O):	- -	- -
LTM:	- -	- -

Site Narrative: A per- and polyfluoroalkyl substances (PFAS) preliminary assessment (PA)/site inspection (SI) was completed and found several areas of potential interest. The RI is underway to identify extent of PFAS release to the environment. Until the RI is complete, it is unknown if remediation is needed. Restoration/Clean-Up Strategy - Complete the RI and determine what follow-on actions are needed (e.g., feasibility study (FS), RODs, potential remediation).

42345.1127_LEAD-001-R-01_SMALL ARMS FIRING RANGE

Env Site ID: LEAD-001-R-01

Cleanup Site: SMALL ARMS FIRING RANGE

Alias: SE OU 17

Regulatory Driver: CERCLA

RIP Date: 11/30/2025

RC Date: 11/30/2025

RC Reason: Not assigned

SC Date: 11/30/2055

Program: ENV Restoration, Army

Subprogram: MR

NPL Status: Yes

Hazardous Ranking Score: 29.4

RRSE: N/A

MRSPP: 9

Phase	Start	End
PA:	4/30/2018	6/30/2018
SI:	7/1/2018	10/30/2018
RI/FS:	10/31/2018	5/1/2025
RD:	5/1/2025	9/30/2025
IRA:	- -	- -
RA(C):	10/1/2025	11/30/2025
RA(O):	- -	- -
LTM:	11/30/2025	11/30/2055

Site Narrative: LEAD-001-R-01 (SE OU 17) addresses soil contamination associated with the Small Arms Firing Range (SAFR). The SAFR was constructed in 1989 for use by the LEAD Security Forces and was used until 2010 when the facility construction was completed and occupied. Munitions used on the range were 9-millimeter (mm) (3,500 rounds annually), 12-gauge shotgun (310 rounds annually) and 5.56-mm (no records of usage). The SAFR is located within the Ammunition Area of LEAD, which is fenced with security-controlled access. There are no support facilities or buildings associated with the range. SAFR is currently undergoing RI/FS. Based on previously limited sampling associated with the adjacent landfill G site (LEAD-039) and the SAFR annual usage rates, it is assumed that the SAFR site will exceed soil UU/UE for lead, but not at levels requiring a removal action. The remedy is anticipated to consist of LUCs restricting site to commercial/industrial use. Restoration/Clean-Up Strategy - Because it is anticipated that hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, annual inspections and periodic remedy reviews would need to continue indefinitely.

SITE SUMMARY

SITE CLOSEOUT SUMMARY

CRL ID	Site Name	Site Closeout Date
42345.1003	LEAD-003_BUILDING 1	7/31/1994
42345.1004	LEAD-004_BUILDING 350	7/31/1994
42345.1005	LEAD-005_BUILDING 351	7/31/1994
42345.1006	LEAD-006_BUILDING 370	7/31/1994
42345.1007	LEAD-007_BUILDING 349	7/31/1994
42345.1013	LEAD-013_IWTP LAGOONS/AREA D/BLDG 360	11/30/1992
42345.1014	LEAD-014_BUILDING 3700 CHEMICAL LAB SS	5/31/1991
42345.1015	LEAD-015_ACID BURNING PITS	5/31/1991
42345.1016	LEAD-016_COMBAT VEHICLE TEST TRACK	11/30/2004
42345.1017	LEAD-017_PROJECTILE RANGE	2/28/1986
42345.1018	LEAD-018_CS TEST SITE	2/28/1986
42345.1019	LEAD-019_WEAPONS STORAGE AREA, IGLOOS	2/28/1986
42345.1020	LEAD-020_BUILDING 11 STORAGE OF RAD ITEM	9/30/1986
42345.1022	LEAD-022_BUILDING 3223 RAD DISPOSAL STOR	9/30/1986
42345.1024	LEAD-024_TWO REVETMENTS IN PDO AREA	1/31/1990
42345.1025	LEAD-025_PREVIOUS PESTICIDE AREA, BUILDI	12/31/1992
42345.1028	LEAD-028_SMALL SEWAGE TREATMENT PLANT	2/28/1986
42345.1030	LEAD-030_DIGESTED SLUDGE SPREAD ON GROUN	11/30/1991
42345.1031	LEAD-031_BLDG 2357 LNDRY FOR ORDINANCE C	9/30/1986
42345.1032	LEAD-032_INDUSTRIAL WASTE DITCH (ROWE RU	11/30/1996
42345.1033	LEAD-033_SEDIMENT BURIAL SITE (AREA F)	8/31/2004
42345.1035	LEAD-035_LANDFILL 1 (41-48) (AREAS H & I	6/30/1993
42345.1038	LEAD-038_LANDFILL 4 (56-64) (AREA C)	7/31/1994
42345.1041	LEAD-041_BURIAL AREA FOR BERYLLIUM PHOS	7/31/1994
42345.1042	LEAD-042_NEUTRALIZATION PIT	1/31/1995
42345.1043	LEAD-043_RESIDUE BURIAL SITE (SWMU 57)	5/31/1991
42345.1045	LEAD-045_DEMO GROUND 1	5/31/1991
42345.1046	LEAD-046_DEMO GROUND 2	1/31/1995
42345.1047	LEAD-047_BURNING GROUND 1 (SWMU 56)	5/31/1991
42345.1049	LEAD-049_OIL BURNING PIT USED IN 70'S (A	8/31/2004
42345.1051	LEAD-051_DEACTIVATION FURNACE	8/31/1991
42345.1054	LEAD-054_AMMUNITION BOX PILES	5/31/1991
42345.1056	LEAD-056_RESIDUE DRUM STORAGE, AMMUNITIO	7/31/1990
42345.1057	LEAD-057_WASTE OIL UST - AUTO SHOP, BUIL	7/31/1990
42345.1058	LEAD-058_CLASSIFIED PAPER INCINERATOR, B	7/31/1990
42345.1061	LEAD-061_ORE PILE LOCATIONS (DA AREA)	7/31/1994
42345.1062	LEAD-062_GUILFORD ALTERNATE WATER SYSTEM	7/31/1994
42345.1063	LEAD-063_FIREMEN'S TRAINING AREA (1983)	12/31/1990
42345.1064	LEAD-064_STORAGE AREA-BLDG 1467	2/29/2000
42345.1065	LEAD-065_BURIED DRUM SITE # 1	1/31/1995
42345.1067	LEAD-067_ROCKY SPRING LAKE MERCURY	2/29/2000
42345.1069	LEAD-069_CARTY WELL	3/31/2005

CRL ID	Site Name	Site Closeout Date
42345.1070	LEAD-070_ROCKY SPRING (MERCURY)	2/29/2000
42345.1071	LEAD-071_ROWE RUN DRAINAGE FARM SAMPLING	5/31/1996
42345.1072	LEAD-072_STORM WATER SEWERS	7/31/2005
42345.1074	LEAD-074_INDUSTRIAL SEWERS - IR	9/30/2005
42345.1076	LEAD-077_PDO OFFPOST GROUNDWATER	8/31/2012
42345.1077	LEAD-078_GROUNDWATER DIVIDE(MONITORING W	9/30/2004
42345.1083	LEAD-084_OFF SE RESIDENTIAL WELL STUDY (	9/30/2004
42345.1091	LEAD-093_OLD PDO SCRAPYARD	7/15/2014
42345.1092	LEAD-094_BUILDING 349, SUMP	3/31/2005
42345.1095	LEAD-097_ALLEN WELL	3/31/2005
42345.1096	LEAD-098_ROCKY SPRING SPRINGHOUSE	3/31/2005
42345.1123	LEAD-PBA_PBA	9/30/2012

COMMUNITY INVOLVEMENT

Community Involvement Plan (Date Last Reviewed):	4/1/2020
Technical Review Committee Establishment Date:	1/31/1988
Restoration Advisory Board (RAB) Establishment Date:	5/31/1996
RAB Adjournment Date:	5/22/2019
RAB Adjournment Reason:	There is no longer sufficient, sustained community interest
Reasons for Not Establishing RAB:	N/A
RAB Date of Solicitation from Community:	N/A
RAB Results of Solicitation:	N/A
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A
Administrative Record Location:	1 Overcash Avenue Chambersburg, PA 17201
Information Repository Location:	http://www.leadenv.com/leadenv/

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Status	Review Type	Start Date	End Date	Plans Narrative	Actions Narrative	Results Narrative
Completed	FYR	10/01/2021	01/22/2024	The next FYR is due in 2027.	2022 FYR has been completed and signed. A FYR Addendum is currently being written by the UAEC for at least one site whose status was determined to be deferred.	The review evaluated 11 operable units and 9 of them were found to be protective of human health and the environment. SE OU-10 is only currently protective and a protectiveness determination at PDO OU-5 could not be made.
Planned	FYR	3/14/2026	3/14/2027	N/A	N/A	N/A