

TOOELE 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: TOOELE ARMY DEPOT

Installation City: TOOELE

Installation County: TOOELE

Installation State: UT

Regulatory Participation - Federal: US Environmental Protection Agency (USEPA), Region 8, Federal Facilities Program, Office of Ecosystem Protection and Remediation

Regulatory Participation - State: Utah Department of Environmental Quality (UDEQ) Division of Solid and Hazardous Waste (DSHW), Division of Environmental Response and Remediation (DERR)

ACRONYMS

Acronym	Definition
AEDB-R	Army Environmental Database - Restoration
AED	Ammunition Equipment Directorate
APE	Ammunition Peculiar Equipment
BRAC	Base Realignment and Closure
CAMU	Corrective Action Management Unit
CC	Compliance-Related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CMI	Corrective Measures Implementation
CMI(C)	Corrective Measures Implementation (Construction)
CMI(O)	Corrective Measures Implementation (Operations)
CMS	Corrective Measures Study
CRL	Cleanup Restoration & Liabilities
CS	Confirmation Sampling
DCS	Deputy Chief of Staff
DD	Decision Document
DERR	Division of Environmental Response and Remediation
DES	Design
DSHW	Division of Solid and Hazardous Waste
ENV	Environmental
FFA	Federal Facility Agreement
FS	Feasibility Study
FYR	Five-Year Review
IAP	Installation Action Plan
IR	Installation Restoration
IRA	Interim Remedial Action
IRP	Installation Restoration Program
IWL	Industrial Waste Lagoon
LTM	Long-Term Management
LUC	Land Use Control
LUCIP	Land Use Controls Implementation Plan
MC	Munitions Constituents
MEC	Munitions and Explosives of Concern
MMRP	Military Munitions Response Program
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
NFA	No Further Action
OB/OD	Open Burn/Open Detonation
OU	Operable Unit

Acronym	Definition
PA	Preliminary Assessment
PCB	Polychlorinated Biphenyls
PFAS	Per- and Polyfluoroalkyl Substances
PP	Proposed Plan
RA(C)	Remedial Action (Construction)
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
SI	Site Inspection
SVOC	Semi-Volatile Organic Compound
SWMU	Solid Waste Management Unit
TEAD	Tooele Army Depot
UDEQ	Utah Department of Environmental Quality
USEPA	US Environmental Protection Agency
UST	Underground Storage Tank
UU/UE	Unlimited Use/Unrestricted Exposure
UXO	Unexploded Ordnance
VOC	Volatile Organic Compound

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: 17/19

Number of Open Sites with Response Complete/Total Open MR Sites: 0/5

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

SITE-LEVEL INFORMATION

49575.1004_TEAD-05_OLD BURN AREA

Env Site ID: TEAD-05

Cleanup Site: OLD BURN AREA

Alias: OU8-SWMU06

Regulatory Driver: CERCLA

RIP Date: 6/30/2002

RC Date: 6/30/2002

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	2/29/2000
RD:	1/31/2001	6/30/2002
IRA:	--	--
RA(C):	5/30/2002	6/30/2002
RA(O):	--	--
LTM:	9/30/2008	9/30/2054

Site Narrative: TEAD-05 (solid waste management unit [SWMU]-06) is located on the active portion of the installation. The old burn area was used for testing munitions and for burning boxes and wooden crates on the ground surface and in shallow trenches. These activities were discontinued in the 1970s. Although the trenches still contain metal debris and spent or destroyed munitions, they have been filled, graded, and revegetated. In addition to the trenches and burn pad, the site also includes a drainage ditch that runs to the northwest from the site. Site characterization and implementation of a remedy were documented in the record of decision (ROD) for Operable Unit (OU)-8. Concentrations of lead and explosives were present at the site, which resulted in an unacceptable risk to construction worker and future residential receptors. The remedy selected at the site consisted of the excavation and off-site disposal of explosive contaminated soil the stabilization/solidification of the lead contaminated soil, and the application of land use controls (LUC) prohibiting future residential use of the site. The explosive contaminated soil was excavated and disposed of at a hazardous waste landfill in 2004. During implementation of the remedy, stabilization of the lead contaminated soil proved to be impracticable, due to large quantities of buried metal debris commingling with the lead contaminated soil and potential munitions and explosives of concern (MEC). Removal and disposal of explosives contaminated soil along with implementing LUCs were completed in 2008. LUCs consist of annual site inspection and reporting to ensure no off-site export of soil or residential development. In accordance with the ROD, LUCs will be maintained as contaminant concentrations were not below unlimited exposure and unrestricted use levels, therefore long-term management (LTM) will be continuous. Removal of lead contaminated soil from the former burn trench was transferred to the Military Munitions Response Program (MMRP) in 2008 and was completed as a removal action under a separate ROD for TEAD-004-R-01 (49575.1066), which partially overlaps TEAD-05. Due to the potential for munitions and explosives of concern (MEC) to be commingled with the lead contaminated soil and debris completion of the removal action was transferred to the MMRP. Cleanup/Exit Strategy - LTM will continue indefinitely. LTM at the site consists of annual LUC inspections and five-year reviews (FYR).

49575.1005_TEAD-06_TIRE DISPOSAL SITE

Env Site ID: TEAD-06

Cleanup Site: TIRE DISPOSAL SITE

Alias: OU8-SWMU13

Regulatory Driver: CERCLA

RIP Date: 12/31/2003

RC Date: 12/31/2003

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	2/29/2000
RD:	--	--
IRA:	7/31/1993	9/30/1993
RA(C):	12/31/2003	12/31/2003
RA(O):	--	--
LTM:	12/31/2003	9/30/2054

Site Narrative: TEAD-06 (SWMU-13) is located on Tooele Army Depot (TEAD) in the ammunition buffer area. The tire disposal area is an 11-acre pit that was used from 1965 to 1993 to dispose of vehicle and heavy equipment tires. An interim action was completed by removing all the tires from the site. Site characterization and the implementation of a remedy have been completed under Comprehensive Environmental Response Compensation and Liability Act (CERCLA), and the installation's federal facility agreement (FFA). An interim action was completed prior to selection of the remedy and all the tires disposed of at the site were removed. Residual semi-volatile organic compounds (SVOC) in soil that results in an unacceptable risk to future residential receptors remains on the site. The remedy implemented at the site consists of LUCs prohibiting future residential use or development of the site. LTM on the site consists of annual LUC inspections conducted by the installation's in-house staff and FYRs to ensure that the LUCs remain protective. In accordance with the ROD, LUCs will continue indefinitely as contaminant concentrations were not below unlimited exposure and unrestricted use levels therefore Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections. Because hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for Unlimited Use/Unrestricted Exposure (UU/UE), FYRs will continue until UU/UE is achieved.

49575.1008_Tead-09_NORTH AREA SANITARY LANDFILL

Env Site ID: TEAD-09

Cleanup Site: NORTH AREA SANITARY LANDFILL

Alias: SWMU-12/15

Regulatory Driver: RCRA-C

RIP Date: 6/30/2005

RC Date: 6/30/2005

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
RFA:	12/31/1979	12/31/1988
CS:	12/31/1979	12/31/1988
RFI/CMS:	12/31/1988	3/31/2004
DES:	2/29/2004	6/30/2005
IRA:	1/31/2000	3/31/2003
CMI(C):	5/30/2005	6/30/2005
CMI(O):	--	--
LTM:	7/31/2006	9/30/2054

Site Narrative: TEAD-09 (SWMU-12/15) is located in the east portion of the installation immediately southwest of the former industrial area which is privately owned and operated as the Utah Industrial Depot. Beginning in 1942, approximately 67 acres of the 100-acre site was used to dispose of various wastes. Waste disposal occurred in three main areas- the pre-1960 landfill and inactive evaporation ponds the post-1960 sanitary landfill and the construction debris burial area. Disposed wastes reportedly included scrap metal, tires, paper, garbage, scrap wood, untreated paint sludge, grease and oil, metal plating waste, paint containers, empty paint thinner and stripper containers, battery acid containers, insecticide and herbicide containers, asbestos containing materials, and ethylene glycol. Initially, the waste was buried in trenches, but in later years it was placed in natural depressions and covered with soil from the surrounding area. The waste was located at depths ranging from a few inches below the ground surface to approximately 30 feet in some areas. No disposal of hazardous waste occurred after October 1980 when the TEAD Resource Conservation and Recovery Act (RCRA) management plan was implemented. Disposal of domestic waste was halted in the spring of 1994. Disposal of construction debris, asphalt, and asbestos was halted in spring 1996. Site characterization and the implementation of corrective measures at the site have been completed. Contaminants in soil (metals, SVOCs and volatile organic compounds [VOC]) resulted in an unacceptable risk to installation workers and future residential receptors. The remedy implemented at the site consisted of consolidating exposed debris, improving soil cover, improving vegetative cover, site fencing, signage, and LUCs prohibiting residential use of the site. The corrective measures implementation (CMI) only addresses exposure to contaminated soils. TEAD-09 addresses soil contamination. Cleanup/Exit Strategy -Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, periodic reviews will continue indefinitely.

LTM at the site consists of annual LUC inspections and periodic reviews.

49575.1009_TEAD-10_PCB SPILL SITE(POLE 184)

Env Site ID: TEAD-10

Cleanup Site: PCB SPILL SITE(POLE 184)

Alias: OU7-SWMU05

Regulatory Driver: CERCLA

RIP Date: 8/31/1996

RC Date: 8/31/1996

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	9/30/1994
RD:	--	--
IRA:	--	--
RA(C):	7/31/1995	8/31/1996
RA(O):	--	--
LTM:	2/28/2005	9/30/2054

Site Narrative: TEAD-10 (operable unit [OU]7/SWMU-05) is located on TEAD in the ammunition storage area. The pole transformer polychlorinated biphenyls (PCB) spill site occurred in 1976 when a fire occurred in a pole mounted electrical transformer releasing PCB contaminated oil to the surrounding soils beneath the transformer. At the time of the release several drums of contaminated soil were removed from the site. Site characterization and implementation of a remedy have been completed under CERCLA and the installation's FFA. Based on the results of the remedial investigation (RI)/feasibility study (FS) residual levels of contamination on the site did not present a risk to any receptor groups. In 2002, the first FYR indicated that LUCs would be required because residual contamination remaining on the site did not comply with risk rules adopted by the state of Utah subsequent to the remedy selection and that the PCBs in the soil remaining on the site pose an unacceptable risk to future residential receptors. Based on the FYR, LUCs were applied to the site to prohibit future residential development or use of the site. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections . Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1012_TEAD-12_BOMB & SHELL RECOND BLDG

Env Site ID: TEAD-12

Cleanup Site: BOMB & SHELL RECOND BLDG

Alias: OU9-SWMU23

Regulatory Driver: CERCLA

RIP Date: 6/30/2008

RC Date: 6/30/2008

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	9/30/2007
RD:	9/30/2005	12/31/2007
IRA:	--	--
RA(C):	12/31/2006	6/30/2008
RA(O):	--	--
LTM:	6/30/2008	9/30/2054

Site Narrative: TEAD-12 (SWMU-23) is located on TEAD in the ammunition demilitarization area. The site consists of a wastewater outfall and drainage area associated with Building 1345. Historical discharge to the outfall and drainage area consisted primarily of boiler blowdown water and floor drains in the building. Operations in Building 1345 began in the late-1950s and have consisted of external work on large munitions, primarily sandblasting and painting. Site characterization and the implementation of a remedy have been completed under the requirements of CERCLA and the installation's FFA. The remedy implemented on the site included the excavation and off-site disposal of contaminated soil, along with the application of LUCs prohibiting future residential use or residential development of the site, as SVOCs in soil remaining on the site pose an unacceptable risk to future residential receptors. The excavation and off-site disposal of contaminated soil was completed in FY2008. Cleanup/Exit Strategy -- LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1013_TEAD-13_IWL & DITCHES

Env Site ID: TEAD-13

Cleanup Site: IWL & DITCHES

Alias: SWMU-02

Regulatory Driver: RCRA-C

RIP Date: 12/31/1993

RC Date: 9/30/2054

RC Reason: Not assigned

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
RFA:	1/31/1979	12/31/1979
CS:	1/31/1979	12/31/1979
RFI/CMS:	10/31/1982	5/15/1993
DES:	5/31/1988	5/15/1993
IRA:	--	--
CMI(C):	3/31/1991	12/31/1993
CMI(O):	12/31/1993	9/30/2054
LTM:	--	--

Site Narrative: From the early-1960s to the early-1980s TEAD-13 (SWMU-02) the Industrial Waste Lagoon (IWL) received wastewater from the installation's remanufacturing and maintenance operations. The lagoon and associated collection ditches were unlined providing a source of groundwater contamination with solvents and other VOCs. The groundwater VOC plume has multiple source areas within both TEAD-13 and TEAD-101 (SWMU-58) Base Realignment and Closure (BRAC). In the mid-1980s the IWL and associated ditches were closed and capped. A wastewater treatment facility was constructed to treat and reuse the generated wastewater. Excess amounts of treated wastewater that could not be reused were discharged to the city of Tooele's publicly owned treatment works. In 1985, a consent order was issued ordering the closure of the IWL and the ditches along with the investigation of contaminated groundwater and implementation of corrective measures. In 1993, the installation began operation of a groundwater extraction and treatment system to treat groundwater contaminated with VOCs, with the primary contaminant being trichloroethylene. Current data indicates that the contamination extends significantly beyond the boundary of the installation. Although the treatment system has reduced contaminant mass it was proven to be ineffective in reducing the size of the plume. In FY2014 the post-closure permit was modified allowing for the demolition of the Groundwater Treatment Facility. An air sparge /soil vapor extraction system began in 2010 and remains in operation. Groundwater modeling which predicts the anticipated time the groundwater plume reaches the sentinel wells or the plume migration which will allow the project to transition to monitoring natural attenuation for an indefinite duration. Program Management for the corrective measures to address this plume are divided between TEAD-13 and TEAD-101 (BRAC). There are multiple source area treatment systems and monitoring wells located on both BRAC and active installation property. Cleanup/Exit Strategy - The air sparge/soil vapor extraction system will continue to operate until contaminate transport model indicates the plume will not reach the sentinel wells and then LTM will continue indefinitely. Because hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, periodic reviews will continue until UU/UE is achieved.

49575.1015_TEAD-15_CHEMICAL RANGE

Env Site ID: TEAD-15

Cleanup Site: CHEMICAL RANGE

Alias: OU9-SWMU07

Regulatory Driver: CERCLA

RIP Date: 8/31/2002

RC Date: 8/31/2002

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	5/31/2002
RD:	--	--
IRA:	7/31/1997	12/31/1997
RA(C):	5/31/2002	8/31/2002
RA(O):	--	--
LTM:	8/31/2007	9/30/2054

Site Narrative: TEAD-15 (SWMU-07) is located on TEAD in the ammunition demilitarization area. The site is located on the south boundary of the installation and east of the active open burn/open detonation (OB/OD) area. The site was used for the testing and demilitarization of riot control chemical and pyrotechnic munitions. This site potentially contains unexploded ordnance (UXO) and other ordnance and explosive wastes. The chemical range covers 550 acres east and west along the southern installation boundary. A small wedge (nine acres) of this former range is off-post and has been identified as TEAD-003-R-01 under the MMRP. Site characterization and implementation of a remedy have been completed under CERCLA and the installation's FFA. Concentrations of metals identified in site soil pose an unacceptable risk to future residential receptors. In 1997 an interim action was conducted consisting of debris and explosive residue removal from a disposal trench that was identified on the site during the RI phase. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1016_TEAD-16_FIRING RANGE

Env Site ID: TEAD-16

Cleanup Site: FIRING RANGE

Alias: OU8-SWMU08

Regulatory Driver: CERCLA

RIP Date: 12/31/2004

RC Date: 12/31/2004

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	3/29/2004
RD:	1/31/2001	3/30/2004
IRA:	--	--
RA(C):	3/31/2004	12/31/2004
RA(O):	--	--
LTM:	12/31/2004	9/30/2054

Site Narrative: TEAD-16 (SWMU-08) consists of approximately 19 acres located on TEAD in the ammunition demilitarization area. The small arms firing range was used through 1994 for weapons training by the National Guard, US Army Reserve, US Navy, and TEAD security personnel. The range contained 20 firing stations with targets located at 25, 50, 100, and 200 meters from these stations. Bermed areas just in front of and behind the furthestmost set of targets were used to stop the fired rounds. Site characterization and implementation of a remedy have been completed in accordance with CERCLA and the installation's FFA. Several metals were identified in the soil at the site that resulted in an unacceptable risk for the future residential receptor. The ecological risk assessment identified adverse effects on plants and animals from lead in the soil. The remedy implemented at the site was the stabilization of lead-contaminated soil. The stabilized soil was placed in a corrective action management unit (CAMU), located within the boundaries of TEAD-09. In addition to the soil treatment. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1017_TEAD-18_AED DEMIL FACILITY (Test Site)

Env Site ID: TEAD-18

Cleanup Site: AED DEMIL FACILITY (Test Site)

Alias: SWMU-19

Regulatory Driver: RCRA-C

RIP Date: 10/31/2000

RC Date: 10/31/2000

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
RFA:	12/31/1979	12/31/1988
CS:	12/31/1979	12/31/1988
RFI/CMS:	12/31/1988	7/31/2000
DES:	--	--
IRA:	--	--
CMI(C):	7/31/2000	10/31/2000
CMI(O):	--	--
LTM:	10/31/2000	9/30/2054

Site Narrative: TEAD-18 (SWMU-19) is located on TEAD in the ammunition storage buffer area. The ammunition equipment directorate (AED) test site was constructed in 1973 and is located southwest of the ammunition storage area in a remote and undeveloped area of the installation. It consists of six small buildings, two burning pans, and a series of protective earthen revetments. The site is used approximately 60 days per year. Operations at the site include experimental or pilot testing to determine if new design demilitarization equipment is functional and to develop operational procedures and techniques for ammunition peculiar equipment (APE) designed and manufactured at the installation. Live ammunition and propellants are frequently used during testing, which has included propagation tests, barricade testing for explosive lines, and burning in pans. B Site characterization and implementation of required corrective measures have been completed at the site under RCRA and the installation's post closure monitoring and corrective action permit. Residual levels of contamination that pose an unacceptable risk to future residential receptors remain on-site. Based on the sampling conducted at SWMU 19, there are no elevated cancer risks or hazards for the military or construction workers at the site. Corrective measures implemented at the site consist of LUCs prohibiting future residential use or development of the site. LUCs are documented and maintained in the LUCIP. LTM at the site consists of annual LUC inspections and reporting to regulatory agencies to ensure that the LUCs remain protective. Cleanup Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections and periodic reviews.

49575.1027_TEAD-27_WASTEWATER SPREADING AREA

Env Site ID: TEAD-27

Cleanup Site: WASTEWATER SPREADING AREA

Alias: OU9-SWMU35

Regulatory Driver: CERCLA

RIP Date: 2/29/2004

RC Date: 2/29/2004

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	11/30/2003
RD:	--	--
IRA:	--	--
RA(C):	11/30/2003	2/29/2004
RA(O):	--	--
LTM:	10/31/2008	9/30/2054

Site Narrative: TEAD-27 (OU9/SWMU-35) is located on TEAD in the administrative area of the installation. The site consists of several open and unlined ditches that were used for the discharge and collection of storm water and wastewater from an old installation housing area. The housing area was active from the 1940s through 1960s. In the late-1960s, the housing area was closed and all housing units were demolished. Site characterization and the implementation of a remedy have been completed in accordance with the requirements of CERCLA and the installation's FFA. The decision document was approved in 2003. Concentrations of pesticides in soil pose an unacceptable risk to future residential receptors remain on the site. The remedy implemented at this site consists of LUCs prohibiting future residential development or use of the site. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1028_TEAD-28_OLD BURN STAGING AREA

Env Site ID: TEAD-28

Cleanup Site: OLD BURN STAGING AREA

Alias: OU8-SWMU36

Regulatory Driver: CERCLA

RIP Date: 5/31/2000

RC Date: 5/31/2000

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	2/29/2000
RD:	--	--
IRA:	--	--
RA(C):	2/29/2000	5/31/2000
RA(O):	--	--
LTM:	12/15/2002	9/30/2054

Site Narrative: TEAD-28 (OU8/SWMU-36) comprises about 5.3 acres located on TEAD in the ammunition storage buffer area of the installation. The old burn staging area is a small pit located immediately north of the old burn area. The staging area was used to store items that were to be burned or disposed of at the old burn area. TEAD-28 partially overlaps with an MR site, TEAD-006-R-01 (49575.1068) which is addressed under a separate ROD. Site characterization and implementation of a remedy at the site have been completed in accordance with the requirements of CERCLA and the installation's FFA. Elevated concentrations of metals that result in an unacceptable risk to future residential receptors were detected in the surface soil. The remedy implemented at the site consists of LUCs prohibiting residential development or use of the site. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections and FYRs.

49575.1029_TEAD-29_CONT WASTE PROC (BLDG 1325)

Env Site ID: TEAD-29

Cleanup Site: CONT WASTE PROC (BLDG 1325)

Alias: SWMU-37

Regulatory Driver: RCRA-C

RIP Date: 9/30/2001

RC Date: 9/30/2001

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
RFA:	12/31/1979	12/31/1988
CS:	12/31/1979	12/31/1988
RFI/CMS:	12/31/1988	6/30/2001
DES:	--	--
IRA:	--	--
CMI(C):	6/30/2001	9/30/2001
CMI(O):	--	--
LTM:	9/30/2001	9/30/2054

Site Narrative: TEAD-29 (SWMU-37) is located on TEAD in the ammunition buffer area. The contaminated waste processor site consists of the storage and staging areas surrounding Building 1325. The facility (which operated from around 1980 until 1990), including the building, storage, and staging areas is approximately 150 feet by 125 feet and is surrounded by a four-foot barbed wire fence. The contaminated waste processor was a batch type basket furnace that was not used for demilitarization of munitions. In early 2000, the furnace was removed from the building and the facility was converted to an ammunition disassembly facility. Site characterization and implementation of corrective measures have been completed at the site under RCRA and the installation's post closure monitoring and corrective action permit. Metals that pose a risk to future residential receptors remain in the soils. Corrective measures implemented at the site consist of LUCs prohibiting the residential use or development of the site. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, periodic reviews will continue indefinitely.

49575.1031_TEAD-31_LAUNDRY POND

Env Site ID: TEAD-31

Cleanup Site: LAUNDRY POND

Alias: SWMU-11

Regulatory Driver: RCRA-C

RIP Date: 9/30/2003

RC Date: 9/30/2003

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
RFA:	12/31/1979	12/31/1988
CS:	12/31/1979	12/31/1988
RFI/CMS:	8/31/1987	4/30/2001
DES:	4/30/2001	9/30/2001
IRA:	6/30/1995	8/31/1997
CMI(C):	9/30/2001	9/30/2003
CMI(O):	--	--
LTM:	9/30/2003	9/30/2054

Site Narrative: TEAD-31 (SWMU-11) is located on TEAD in the ammunition storage area. The site consists of the laundry pond a sewage pond (never used), a sand pit, a septic tank, a leach field, and a waste pile area located to the east. This laundry effluent pond was constructed in 1947 and collected laundry and shower water from Building 1267 (until 1990) and boiler water from Building 1237 (until 1995). The bermed, unlined laundry pond is approximately 16 feet deep 80 feet wide and 100 feet long. The sewage pond constructed between 1978 and 1990 for the collection of water from Building 1267 is bermed, unlined, and is eight feet deep, 120 feet wide, and 134 feet long. The sand pit is reported to have been excavated to provide cover material for capping the adjacent TEAD-81 site. The septic tank is south of the sewage pond; the leach field is reported to have been beneath the pond. From 1948 through 1990, the septic tank and leach field are reported to have received waste from Buildings 1245, 1267 and 1254. The waste piles identified in the fall of 1992 contained wood fragments, metal debris, electrical wiring, metal shavings, and discarded automotive parts. A site characterization and implementation of corrective measures have been completed in accordance with RCRA and the installation's post closure monitoring and corrective action permit. Contaminants (metals, radionuclides, SVOCs, and VOCs) were present in sediment, soil, and surface water at concentrations that presented an unacceptable risk to on-site workers and future residential receptors. The corrective measures implemented at the site consisted of the excavation and disposal of contaminated soil from the laundry pond and of the debris piles and underlying soils. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections. Because hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, periodic reviews will continue until UU/UE is achieved.

49575.1034_TEAD-34_BLDG 1303 WASHOUT POND

Env Site ID: TEAD-34

Cleanup Site: BLDG 1303 WASHOUT POND

Alias: OU8-SWMU22

Regulatory Driver: CERCLA

RIP Date: 5/31/2000

RC Date: 5/31/2000

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	2/29/2000
RD:	--	--
IRA:	7/31/1997	10/31/1997
RA(C):	2/29/2000	5/31/2000
RA(O):	--	--
LTM:	12/31/2003	9/30/2054

Site Narrative: TEAD-34 (OU8/SWMU 22) is located on TEAD in the ammunition storage buffer area of the installation. The building 1303 washout pond is a shallow depression that received wash water from Building 1303 where high explosive bombs and projectiles were dismantled, and shell casings were washed for subsequent reuse or disposal. The wash water, which contained explosives, drained from the building, crossed a concrete pad, entered an unlined ditch, and flowed to the pond area. Site characterization and implementation of a remedy have been completed at the site in accordance with CERCLA and the installation's FFA. Concentrations of metals and explosives that posed a risk to on-site depot workers and future residential receptors were detected in the soil of the ditch and pond. In 1997, an interim action was conducted consisting of the excavation of explosive-stained soil from the washout pond. A risk assessment, conducted after the removal, indicated unacceptable risks for the future residential receptors. The final remedy implemented consisted of LUCs prohibiting future residential development or use of the site. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1036_TEAD-36_AED TEST RANGE

Env Site ID: TEAD-36

Cleanup Site: AED TEST RANGE

Alias: OU9-SWMU40

Regulatory Driver: CERCLA

RIP Date: 2/29/2004

RC Date: 2/29/2004

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	12/31/1979	12/31/1988
SI:	12/31/1979	12/31/1988
RI/FS:	8/31/1987	11/30/2003
RD:	--	--
IRA:	9/30/2003	11/30/2003
RA(C):	11/30/2003	2/29/2004
RA(O):	--	--
LTM:	10/31/2008	9/30/2054

Site Narrative: TEAD-36 (OU9/SWMU-40) is located on TEAD in the ammunition demilitarization area. The site which has been used to test munitions, bombs, and rocket motors consists, of several revetments, a drop tower and an old deactivation furnace site. Explosive waste as well as MEC have been found at this site. Site characterization and implementation of a remedy have been completed under the requirements of CERCLA and the installation's FFA. Metals and explosives in soil at the site are at concentrations that pose an unacceptable risk to future residential receptors. The site is also known to contain MEC and munitions constituents (MC). In November 2003, the site was fenced as an interim measure. The remedy implemented at the site consists of LUCs prohibiting the residential development or use of the site Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1041_TEAD-58_BLDG 539 BOMB WASHOUT

Env Site ID: TEAD-58

Cleanup Site: BLDG 539 BOMB WASHOUT

Alias: SWMU-42

Regulatory Driver: RCRA-C

RIP Date: 10/31/2005

RC Date: 10/31/2005

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
RFA:	12/31/1979	12/31/1988
CS:	12/31/1979	12/31/1988
RFI/CMS:	12/31/1988	8/31/2001
DES:	8/31/2001	6/30/2004
IRA:	6/30/1995	7/31/1995
CMI(C):	6/30/2004	10/31/2005
CMI(O):	--	--
LTM:	10/31/2005	9/30/2054

Site Narrative: The Building 539 Bomb Washout (SWMU-42) is located on the active installation. This site was used to burn small arms and to recover lead. Wastewater from the site drained to an open ditch and was discharged into an unlined impoundment. In addition to the drainage ditch and impoundment, the site includes a number of areas where ash and burned materials were dumped on the ground near the facility. TEAD-58 partially overlaps with an MR site, TEAD-005-R-01 (49575.1067) which is addressed under a separate ROD. Site characterization and implementation of corrective measures have been completed in accordance with the installation's RCRA post-closure monitoring and corrective action permit. Concentrations of lead in site soil posed an unacceptable risk to on-site workers and future residential receptors. Corrective measures implemented at the site consisted of the excavation of lead contaminated soil from the open ditch and ash piles and placement of those soils in the impoundment. In addition, an impermeable membrane cap was constructed on the impoundment, which was then fenced, and warning signage was installed. In addition to the engineering controls that were constructed, LUCs were applied to the site prohibiting the future residential use or development of the site. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, periodic reviews will continue indefinitely.

49575.1049_TEAD-83_STORMWATER DISCHARGE

Env Site ID: TEAD-83

Cleanup Site: STORMWATER DISCHARGE

Alias: SWMU 45

Regulatory Driver: RCRA-C

RIP Date: 9/30/2001

RC Date: 9/30/2001

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
RFA:	12/31/1979	12/31/1988
CS:	12/31/1979	12/31/1988
RFI/CMS:	12/31/1988	6/30/2001
DES:	--	--
IRA:	--	--
CMI(C):	6/30/2001	9/30/2001
CMI(O):	--	--
LTM:	9/30/2001	9/30/2054

Site Narrative: TEAD-83 (SWMU-45) is located on TEAD in a remote undeveloped area approximately 2500 feet northwest of the installation's administration area. The storm water discharge area occupies about two acres. It consists of an unlined earthen basin and associated pipelines from the administration area's storm water collection system. Storm water has been discharged to this site since construction of the installation in 1942. The storm drain system consists of approximately 10,000 linear feet of subsurface pipelines. The discharge area has historically received discharges from a carpenter shop, sign shop, motor pool, rail shop, and other such operations. Site characterization and implementation of corrective measures at the storm water discharge site have been completed in accordance with RCRA and the installation's post-closure monitoring and corrective action permit. Residual metals and SVOC concentrations in site soil pose an unacceptable risk to future residential receptors. Corrective measures implemented at the site consist of LUCs prohibiting the future residential development or use. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections and periodic reviews.

49575.1050_TEAD-84_OLD DISPENSARY

Env Site ID: TEAD-84

Cleanup Site: OLD DISPENSARY

Alias: SWMU-48

Regulatory Driver: RCRA-C

RIP Date: 9/30/2001

RC Date: 9/30/2001

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
RFA:	12/31/1979	12/31/1988
CS:	12/31/1979	12/31/1988
RFI/CMS:	12/31/1988	6/30/2001
DES:	--	--
IRA:	--	--
CMI(C):	6/30/2001	9/30/2001
CMI(O):	--	--
LTM:	9/30/2001	9/30/2054

Site Narrative: This site (SWMU-48) consists of a wastewater discharge area associated with the old dispensary, Bldg. 400, which was located on 8.2 acres approximately 300 feet northwest of the installation's medical clinic. Building 400 was demolished when the current medical facility was constructed in the early-1980s. Building 400 and other smaller buildings located on the site were constructed in 1945. Building 400 was originally the installation's administrative building and was later converted to a dispensary (medical facility) that included operating rooms, a sterilization room, x-ray rooms, examination rooms, and a dental office. Reportedly, x-ray development solutions were discharged to the storm water collection system located on the property. Site characterization and implementation of corrective measures have been completed at the site in accordance with RCRA and the installation's post closure monitoring and corrective action permit. Metals and SVOC concentrations remain in soil posing an unacceptable risk to future residential receptors. Corrective measures implemented at the site consist of LUCs prohibiting future residential development or use of the site. Cleanup/Exit Strategy - LTM will continue indefinitely at the site and consists of annual LUC inspections and periodic reviews.

49575.1082_TEAD-98_PFAS

Env Site ID: TEAD-98

Cleanup Site: PFAS

Alias: #

Regulatory Driver: CERCLA

RIP Date: 4/1/2030

RC Date: 4/1/2030

RC Reason: Not assigned

SC Date: 4/2/2030

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	5/21/2018	9/15/2019
SI:	12/15/2019	4/1/2022
RI/FS:	4/2/2022	4/1/2030
RD:	--	--
IRA:	--	--
RA(C):	--	--
RA(O):	--	--
LTM:	--	--

Site Narrative: Per direction from Deputy Chief of Staff (DCS) G-9 site created to account for all per- and polyfluoroalkyl substances (PFAS) costs at the installation. The preliminary assessment (PA)/site inspection (SI) Report was finalized on April 1, 2022. Revised memorandum from May 2023 USEPA regional screening levels for PFAS resulted in the creation a total of three sites, including the original from the PA/SI. PFAS has been identified at an existing site TEAD-83 (49575.1049). Cleanup/Exit Strategy - A remedial investigation will begin in fiscal year 2025.

49575.1063_TEAD-001-R-01_OB/OD AREA

Env Site ID: TEAD-001-R-01

Cleanup Site: OB/OD AREA

Alias: #

Regulatory Driver: CERCLA

RIP Date: 10/1/2028

RC Date: 10/1/2028

RC Reason: Not assigned

SC Date: 9/30/2058

Program: ENV Restoration, Army

Subprogram: MR

NPL Status: Yes

Hazardous Ranking Score:

RRSE: N/A

MRSPP: 4

Phase	Start	End
PA:	7/8/2002	5/1/2003
SI:	9/30/2005	12/31/2007
RI/FS:	6/30/2009	5/2/2018
RD:	11/7/2017	8/7/2018
IRA:	--	--
RA(C):	8/8/2018	10/1/2028
RA(O):	--	--
LTM:	10/2/2028	9/30/2058

Site Narrative: This TEAD-001-R-01 is owned by private county and federal parties comprising 478 acres to the southwest of the installation. From 1942 to the mid-1990s munitions including rockets, bombs, grenades, medium and large caliber munitions, mortars, propellants, and small arms were burned or detonated in the OB/OD area within the installation. The OB/OD kickouts are the only known source of munitions contamination in this area. A portion, but not all, of this area near the installation boundary has been surveyed and cleared of UXO. The land is currently used for agricultural purposes or is undeveloped. A portion of this site was cleared in 1996. In December 2007, the SI was completed. The SI recommended further investigation for MEC and no further action (NFA) for MC. The RI fieldwork was completed in the summer of 2010 along with and the final RI report in FY2012 which recommended proceeding to an FS. Before moving forward with the FS, USEPA identified data gaps that needed to be addressed. Data gaps were resolved, and the FS phase began in the summer of FY2014. The ROD was finalized on May 2, 2018. Cleanup/Exit Strategy - The remedial action consists of surface and subsurface MEC removal. Remedial action phase I is anticipated to be completed in fiscal year 2024 and Phase II remedial action shall be completed by fiscal year 2028.

49575.1066_TEAD-004-R-01_OLD BURN AREA

Env Site ID: TEAD-004-R-01

Cleanup Site: OLD BURN AREA

Alias: SWMU 6

Regulatory Driver: CERCLA

RIP Date: 9/30/2024

RC Date: 9/30/2024

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: MR

NPL Status: Yes

Hazardous Ranking Score:

RRSE: N/A

MRSPP: 5

Phase	Start	End
PA:	7/8/2002	5/1/2003
SI:	9/30/2005	12/31/2007
RI/FS:	4/30/2009	5/2/2018
RD:	7/15/2017	8/8/2018
IRA:	--	--
RA(C):	8/8/2018	9/30/2024
RA(O):	--	--
LTM:	9/30/2024	9/30/2054

Site Narrative: TEAD-004-R-01 is a closed munitions site comprising 58.14 acres in the east-central part of the installation, is still owned by the Army, and partly overlaps with TEAD-05 (49245.1004) was under the IRP. From 1942 to 1972, smokes, grenades, propellants, and small arms were demilitarized and disposed of at this area. A removal action consisting of the remediation of lead contaminated soil was completed under the MMRP in 2010. Work previously completed on the site under the IRP consisted of the removal and disposal of explosives contaminated soil. Only incidental UXO identified during the soil cleanup was removed. Future UXO response actions at this site will be carried out under the Munitions Response (MR) program MMRP. In December 2007, the SI was completed. The SI recommended further investigation for MEC and NFA for MC. The RI fieldwork along with the remediation of lead contaminated soil in a former burn trench was completed in the summer of 2010. In addition to the RI, the work included a task for the remediation of lead contaminated soil from a former burn trench located on the site. The burn trench was identified and investigated under the IRP. The former burn trench is identified as TEAD-05 (SWMU 06) and is addressed under a separate ROD. The RI was completed in FY2012. The ROD was finalized on May 2, 2018. Cleanup/Exit Strategy - The remedial action consisted of surface and subsurface MEC removal and the development of institutional controls. Indefinite annual LUC inspections and FYRs will be implemented as part of LTM. LUCs consist of prevention of residential development via implementation of the installation excavation permit process and educational awareness. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1067_TEAD-005-R-01_BUILDING 539 DISPOSAL AREA

Env Site ID: TEAD-005-R-01

Cleanup Site: BUILDING 539 DISPOSAL AREA

Alias: SWMU 42

Regulatory Driver: CERCLA

RIP Date: 10/1/2028

RC Date: 10/1/2028

RC Reason: Not assigned

SC Date: 9/30/2058

Program: ENV Restoration, Army

Subprogram: MR

NPL Status: Yes

Hazardous Ranking Score:

RRSE: N/A

MRSPP: 5

Phase	Start	End
PA:	7/8/2002	5/1/2003
SI:	9/30/2005	12/31/2007
RI/FS:	4/30/2009	5/2/2018
RD:	11/7/2017	8/8/2018
IRA:	--	--
RA(C):	8/8/2018	10/1/2028
RA(O):	--	--
LTM:	10/2/2028	9/30/2058

Site Narrative: TEAD-005-R-01 is a munitions site comprising 97 acres in the east-central part of the installation and is still owned by the US Army. From about 1942 to 1972 a variety of munitions, including bombs, smokes, grenades, land mines, medium and large caliber munitions, small arms, mortars, fuses, and secondary explosives, were demilitarized or disposed in the area around this site. The disposal area site overlaps with SWMU 42, which is identified in the legacy Army Environmental Database - Restoration (AEDB-R) database as TEAD-58 (49575.1041); this site is under the CERCLA regulatory process and is addressed under a separate ROD. The site is not currently being used except for grazing and remediation purposes. An installation restoration project has been completed to address lead contaminated soil from a drainage ditch used as a ponding area. Only incidental UXO that were encountered during the soil remediation project were removed. Future UXO response actions will be undertaken under the MMRP. In December 2007, the SI was completed. The SI recommended further investigation for MEC and NFA for MC. The RI fieldwork was completed in the summer of 2010 along with the final RI report in FY2012 which recommended proceeding to an FS. Before moving forward with the FS, USEPA identified data gaps that needed to be addressed. Data gaps were resolved, and the FS phase started began in the summer of FY2014. The ROD was finalized on May 2, 2018. Cleanup/Exit Strategy - Remedial action phase I is anticipated to be completed in fiscal year 2024 and Phase II remedial action shall be completed by fiscal year 2028. LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1068_TEAD-006-R-01_OLD BURN STAGING AREA

Env Site ID: TEAD-006-R-01

Cleanup Site: OLD BURN STAGING AREA

Alias: #

Regulatory Driver: CERCLA

RIP Date: 9/30/2024

RC Date: 9/30/2024

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: MR

NPL Status: Yes

Hazardous Ranking Score:

RRSE: N/A

MRSPP: 6

Phase	Start	End
PA:	7/31/2002	5/31/2003
SI:	9/30/2005	12/31/2007
RI/FS:	4/30/2009	5/2/2018
RD:	11/7/2017	8/8/2018
IRA:	--	--
RA(C):	8/8/2018	9/30/2024
RA(O):	--	--
LTM:	9/30/2024	9/30/2054

Site Narrative: The old burn staging area (TEAD-006-R-01) is closed and is not part of the operational munitions site comprised of 1.35 acres in that is located on the southern portion of the installation. The old burn staging area overlaps with SWMU 36 under the IRP, which is identified in the legacy Army Environmental Database - Restoration (AEDB-R) database as TEAD-28 (49575.1028) and is addressed under a separate ROD. Under the IRP, institutional controls that include land use restrictions have been implemented for TEAD-28. The old burn staging area is located immediately north of the old burn area in the south-central portion of the installation. The site consists of a gravel-lined pit that is approximately eight to 13 feet deep. The pit was used to stage materials for the old burn area during the same period that the old burn area was in operation, until the early-1970s. There are two cuts in the north bank of the pit with dirt roads leading into and away from the site. From about 1942 to 1972 a variety of conventional and other munitions were stored temporarily within this open unlined gravelly depression prior to their demilitarization in the old burn area. Presumably, the munitions stored in this area are the same as those listed above for the old burn area. In December 2007, the SI was completed. The SI recommended further investigation for MEC and NFA for MC. The RI fieldwork was completed in the summer of 2010 along with the final RI report in FY2012 which recommended proceeding to an FS. Before moving forward with the FS, USEPA identified data gaps that needed to be addressed. Data gaps were resolved, and the FS phase began in the summer of FY2014. The ROD was finalized on May 2, 2018. Cleanup/Exit Strategy - The remedial action consisted of surface and subsurface MEC removal and the development of institutional controls. Indefinite annual LUC inspections and FYRs will be implemented as part of LTM. LUCs consist of prevention of residential development via implementation of the installation excavation permit process and educational awareness. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

49575.1069_TEAD-007-R-01_On-Post Chemical Range

Env Site ID: TEAD-007-R-01

Cleanup Site: On-Post Chemical Range

Alias: #

Regulatory Driver: CERCLA

RIP Date: 10/3/2024

RC Date: 10/3/2024

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: MR

NPL Status: Yes

Hazardous Ranking Score: 54

RRSE: N/A

MRSPP: 4

Phase	Start	End
PA:	7/31/2002	5/31/2003
SI:	9/30/2005	12/31/2007
RI/FS:	4/30/2009	10/1/2024
RD:	--	--
IRA:	--	--
RA(C):	10/2/2024	10/3/2024
RA(O):	--	--
LTM:	10/4/2024	9/30/2054

Site Narrative: TEAD-007-R-01 the on-post chemical range MR site encompasses 129.16 acres within the installation boundaries. The site is adjacent to the operational chemical range, which is identified as SWMU 7 and AEDB-R site number TEAD-15 (49575.1015). In addition, two sub-units of SWMU 1 (active OB/OD area) are located within the on-post chemical range MR site boundaries. These are SWMU 1b and 1c which are not located on the operational range. There are no IRP activities occurring within the on-post chemical range MR site at this time. This chemical range was used from about 1942 to the early-1970s. It consisted of a surveillance, area tracer range firing, course chemical test range, and disposal trenches. Munitions testing and disposal at the chemical range included items such as flares smoke pots and grenades incendiary devices and riot control gases. Chemical warfare material was not tested or disposed of at the range. In December 2007, the SI was completed. The SI recommended further investigation for MEC and NFA for MC. The RI fieldwork was completed in the summer of 2010 along with the final RI report in FY2012 which recommended proceeding to an FS. Before moving forward with the FS, USEPA identified data gaps that needed to be addressed. Data gaps were resolved, and the FS phase started in the summer of FY2014 was completed in FY2015. After approval of the FS and PP, it was determined that removal alternatives had not been properly evaluated in the FS. Cleanup/Exit Strategy - The ROD will be developed to include remedial alternatives. Anticipated future actions are likely to include institutional controls. LTM will continue indefinitely at the site and consists of annual LUC inspections. Because the future land use will remain industrial and hazardous substances, pollutants, or contaminants will remain at the site at concentrations exceeding levels that allow for UU/UE, FYRs will continue indefinitely.

SITE SUMMARY

SITE CLOSEOUT SUMMARY

CRL ID	Site Name	Site Closeout Date
49575.1001	TEAD-01_OB/OD AREA	5/24/2022
49575.1011	TEAD-11_X-RAY LAGOON	4/15/2020
49575.1014	TEAD-14_BATTERY PIT	6/30/2001
49575.1020	TEAD-21_RCRA CONTAINER STORAGE	4/30/1996
49575.1024	TEAD-24A_OLD IWL (ACTIVE PARCEL)	6/30/2001
49575.1033	TEAD-33_SEPTIC TANKS	12/31/1988
49575.1035	TEAD-35_DEACT FURNACE (BLDG 1351)	5/24/2022
49575.1037	TEAD-37_DEACT FURNACE(BLDG 1320)	5/24/2022
49575.1038	TEAD-38_BOX ELDER WASH DRUM SITE	4/30/1996
49575.1039	TEAD-50_BATTERY RECHARGE OPS(BLDG 1252)	4/24/2020
49575.1040	TEAD-54_PESTICIDE MIXING(BLDG 518)	5/24/2022
49575.1042	TEAD-67_CONT. STORAGE AREAS FOR P999	10/31/1993
49575.1044	TEAD-70_USED OIL DUMPSTERS	2/28/2002
49575.1046	TEAD-80_SEWAGE LAGOONS	10/31/1997
49575.1047	TEAD-81_TNT WASHOUT PONDS	4/15/2020
49575.1071	CC-TEAD-03_Petroleum Release - Building	10/31/2009
49575.1072	CC-TEAD-06_Petroleum Release - Bldg. 120	10/31/2009
49575.1064	TEAD-002-R-01_NE DEMIL AREA	12/31/2007
49575.1065	TEAD-003-R-01_CHEMICAL RANGE	6/30/2016
49575.1070	PBA@MR Tooele_PBA@MR Tooele	3/31/2012
49575.1073	TEAD-008-R-01_EOD Training Area	5/31/2012
49575.1074	CCELXG_Bldg. 1202 LUST SITE	3/31/2005
49575.1075	CCELXD_Bldg. 1204 LUST SITE	3/31/2005
49575.1076	CC-TEAD-01_Petroleum Release - Building	10/31/2009
49575.1077	CC-TEAD-02_Petroleum Release - Building	10/31/2009
49575.1078	CC-TEAD-03_Petroleum Release - Building	10/31/2009
49575.1079	CC-TEAD-04_Petroleum Release - Building 1	10/31/2009
49575.1080	CC-TEAD-05_Petroleum Release -Building 1	10/31/2009
49575.1081	CC-TEAD-06_Petroleum Release - Bldg. 120	10/31/2009

COMMUNITY INVOLVEMENT

Community Involvement Plan (Date Last Reviewed):	07/15/2019
Technical Review Committee Establishment Date:	02/29/1988
Restoration Advisory Board (RAB) Establishment Date:	04/30/1994
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Reasons for Not Establishing RAB:	No sufficient, sustained community interest in a RAB has been expressed by the community.
RAB Date of Solicitation from Community:	03/01/2023
RAB Results of Solicitation:	No interest
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A
Administrative Record Location:	1 Tooele Army Depot Bldg 501, Tooele, UT 84074
Information Repository Location:	1 Tooele Army Depot Bldg 501, Tooele, UT 84074

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Status	Review Type	Start Date	End Date	Plans Narrative	Actions Narrative	Results Narrative
Planned	FYR	03/01/2027	04/16/2028	TBD	TBD	
Underway	PR	10/01/2023	10/01/2024	TBD	TBD	TBD
Completed	FYR	03/01/2022	03/27/2023	For remedy at OU 8, to be protective in the long-term, the following actions need to be taken to ensure protectiveness. Secure the warning sign at SWMU 13 to ensure the sign remains permanently. Update the LUCIP to include the restriction to prevent offsite transportation of soil from OU 8.	The remedy at OU 8 currently protects human health and the environment because soil contaminated with lead and 2,4-DNT was excavated to achieve final remediation goals and subsequently disposed off-site or treated via solidification/stabilization.	
Completed	PR	03/01/2019	11/21/2019	N/A	N/A	Remedy remains protective of human health and the environment.