

FY2012

FORT A P HILL

Army Defense Environmental Restoration Program

Installation Action Plan

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multiyear cleanup program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern (AOC), and proposes a comprehensive, installation-wide approach, along with the costs and schedules associated with conducting investigations and taking the necessary remedial actions (RAs).

In an effort to coordinate planning information between the restoration manager, the US Army Environmental Command (USAEC), Fort A.P. Hill, the executing agencies, the regulatory agencies, and the public, an IAP was completed. The IAP is used to track requirements, schedules, and tentative budgets for all major Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

Acronyms

AEDB-R	Army Environmental Database - Restoration
AOC	Area of Concern
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CTT	Closed, Transferred, or Transferring
DD	Decision Document
ER,A	Environmental Restoration, Army
FRA	Final Remedial Action
FS	Feasibility Study
FUDS	Formerly Used Defense Sites
FY	Fiscal Year
HRR	Historical Records Review
IAP	Installation Action Plan
IMCOM	Installation Management Command
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MC	Munitions Constituents
MEC	Munitions and Explosives of Concern
MMRP	Military Munitions Response Program
MRS	Munitions Response Site
N/A	Not Applicable
NFA	No Further Action
NPL	National Priorities List
PA	Preliminary Assessment
RA	Remedial Action
RA(C)	Remedial Action - Construction
RAB	Restoration Advisory Board
RC	Response Complete
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy-in-Place
ROD	Record of Decision
SI	Site Inspection
SWMU	Solid Waste Management Unit
TAPP	Technical Assistance for Public Participation
TRC	Technical Review Committee
USACE	US Army Corps of Engineers
USAEC	US Army Environmental Command
USEPA	US Environmental Protection Agency
WWTP	Wastewater Treatment Plant

Installation Information

Installation Locale

Installation Size (Acreage): 75794

City: Bowling Green

County: Caroline

State: Virginia

Other Locale Information

Fort A.P. Hill is a US Army training facility located in Caroline County, Virginia, approximately two miles north of the town of Bowling Green. The installation encompasses approximately 76,000 acres and is bisected by US Route 301, which connects Bowling Green and Port Royal, Virginia. It is located approximately 75 miles south of Washington, DC and 40 miles north of Richmond, Virginia.

Installation Mission

Fort A.P. Hill, a Regional Training Center, provides realistic joint and combined arms training support to America's Defense Forces.

Lead Organization

Lead Executing Agencies for Installation

US Army Corps of Engineers (USACE), Norfolk for Formerly Used Defense Sites (FUDS) nominated sites

USAEC for the Restoration sites

Regulator Participation

Federal

US Environmental Protection Agency (USEPA), Region III, Waste and Chemical Management Division

State

Virginia Department of Environmental Quality (VDEQ)

National Priorities List (NPL) Status

FORT A P HILL is not on the NPL

Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status

The community has expressed no sufficient, sustained interest in a RAB.

Installation Program Summaries

MMRP

Primary Contaminants of Concern: Munitions and explosives of concern (MEC)

Affected Media of Concern: Soil

5-Year / Periodic Review Summary

No 5-Year / Periodic Reviews have been scheduled

Cleanup Program Summary

Installation Historic Activity

Fort A.P. Hill was established in June 1941 to provide a training area for infantry and artillery troops during World War II. It is one of the largest military installations on the east coast, providing training grounds for, and testing of, a large variety of military forces and weapons. The portion of the installation south of US Route 301 is used for live-fire munitions training and access is strictly controlled. The primary use of the northern portion of the installation is for non live-fire troop and vehicle training in a variety of wartime maneuver simulations. All access points to the installation are controlled. The installation is divided into training areas and range areas, within which specific training or live-fire activities occur. The public also uses selected training areas for recreational purposes. Recreational user access is controlled and tracked on a daily basis.

The training capacity of Fort A.P. Hill is considered critical to the ongoing mission of the US military. It is a Regional Training Center, providing realistic joint and combined arms training support to America's Defense Forces. Given the value of the installation, closure is unlikely in the foreseeable future. This information is critical in considering future plans regarding remediation (where applicable) at various sites. By virtue of ownership by the US government, potential exposure routes at individual solid waste management units (SWMUs) and AOCs are currently well-controlled and will likely remain under control.

In August 2002, the Phase III Army range inventory was completed. The inventory identified four sites as eligible for the Military Munitions Response Program (MMRP). The Phase III inventory serves as the preliminary assessment (PA) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). These four sites were transferred to federal, state, or local government several years ago and do not require extensive site characterization and investigations.

Installation Program Cleanup Progress

MMRP

Prior Year Progress: A remedial investigation (RI) began in fiscal year (FY)10 with a completion date in FY12. The feasibility study (FS) is scheduled to begin in FY12.

Future Plan of Action: The RI report was completed and finalized in June of 2012, all field data and investigation results show that neither MEC nor unexploded ordnance (UXO) were found on this site, eliminating the need for future Remedial Actions. Efforts to complete the feasibility study (FS), land use control (LUC) plan, decision document (DD) and closure ESS will begin in FY12 and will be completed in FY15. Long-term management (LTM) phase will follow.

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Military Munitions Response Program

MMRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count: 5/4

Installation Site Types with Future and/or Underway Phases

1 Firing Range
(FTAPH-003-R-01)

Most Widespread Contaminants of Concern

Munitions and explosives of concern (MEC)

Media of Concern

Soil

Completed Remedial Actions (Interim Remedial Actions/ Final Remedial Actions (IRA/FRA))

Site ID	Site Name	Action	Remedy	FY
N/A				

Duration of MMRP

Date of MMRP Inception 200202

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201509/201509

Date of MMRP completion including Long Term Management (LTM): 202509

MMRP Contamination Assessment

Contamination Assessment Overview

In August 2002 the Phase III Army range inventory was completed at Fort A.P. Hill. The Phase III inventory serves as the PA under CERCLA. The 2002 closed, transferred, or transferring (CTT) range inventory report identified four CTT areas:

- Training Range Area 10,
- Training Range Area 16,
- Training Range Areas 20 and 21, and
- Training Range Area 30.

A historical records review (HRR) found that Training Range Area 10, Training Range Area 16, and Training Range Area 30 were FUDS eligible and, therefore, ineligible to be investigated under this active Army MMRP effort. Also, the Wilcox Wastewater Treatment Plant (WWTP) was discovered as a potential new munitions response site (MRS) during the HRR process. The HRR report concluded that Training Range Areas 20 and 21 (FTAPH-003-R-01) and Wilcox WWTP are the only sites eligible for investigation under the MMRP. The FY09 site inspection (SI) report recommended an RI to address MEC at the Training Range Areas 20 and 21. The SI recommended no further action (NFA) for the Wilcox WWTP.

An RI began in FY10 with a completion date in FY12. Although the final RI report is not scheduled to be completed until 3/2012, all field data and investigation results show that neither MEC nor UXO were found on this site, eliminating the need for future Remedial Actions. Efforts to complete the FS, LUC plan, Decision Document and closure ESS will begin in FY12 and will be completed in FY15. LTM phase will follow.

Cleanup Exit Strategy

The MMRP cleanup exit strategy assumed that additional characterization would be required at FTAPH-003-R-01. An SI was completed in FY08. An RI began in FY10 and was completed in FY12.

Remedial Investigation field data and analytical results (completed in FY12) confirmed that neither MEC nor UXO were found on this site, which eliminated the need for Remedial Actions (RA). The FS phase, to be awarded in FY12, will include the LUC, DD and closure ESS. Following the FS phase, the only other remaining phase will be LTM.

MMRP Previous Studies

	Title	Author	Date
2002			
	Closed, Transferring and Transferred Range/Site Inventory Phase 3 Report	USACE, Norfolk District	AUG-2002
2008			
	Final Historic Records Review	URS	FEB-2008
	Final Site Inspection	URS	DEC-2008

FORT A P HILL

Military Munitions Response Program

Site Descriptions

Site ID: FTAPH-003-R-01
Site Name: TRAINING RANGE AREA 20 AND 21

STATUS

Regulatory Driver: CERCLA
MRSPP Score: 04
Contaminants of Concern: Munitions and explosives of concern (MEC)
Media of Concern: Soil

Phases	Start	End
PA.....	200202.....	200305
SI.....	200705.....	200812
RI/FS.....	201005.....	201508
LTM.....	201509.....	202509

RIP Date: N/A
RC Date: 201509

SITE DESCRIPTION

Training Range Areas 20 and 21 are comprised of approximately 150 acres located in the center of Fort A.P. Hill, north of Route 301. This area was used for light ground maneuver training from its acquisition in 1941 until 1996 when it was transferred to Caroline County for the construction of the Peumansend Creek Regional Jail. The Peumansend Regional Jail now occupies the site and actively uses approximately half of the 150-acre parcel, with the remainder left undisturbed.

The SI was completed in December 2008 and recommended the site for further investigation for MEC. The SI also recommended NFA for munitions constituents (MC).

An RI began in FY10 with a completion date in FY12. Although the final RI report is not scheduled to be completed until 3/2012, all field data and investigation results show that neither MEC nor UXO were found on this site, eliminating the need for future Remedial Actions. Efforts to complete the FS, LUC plan, Decision Document and closure ESS will begin in FY12 and will be completed in FY15. LTM phase will follow.

CLEANUP/EXIT STRATEGY

The cleanup/exit strategy assumes the following actions will be completed:

- FS including LUC plan, Decision Document and closure ESS
- LTM

Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
FTAPH-001-R-01	TRAINING RANGE AREA 10	200606	Site has been made RC as it has been determined to be a duplicate of an existing FUDS site.
FTAPH-002-R-01	TRAINING RANGE AREA 16	200606	Site has been made RC as it has been determined to be a duplicate of an existing FUDS site.
FTAPH-004-R-01	TRAINING RANGE AREA 30	200606	Site has been made RC as it has been determined to be a duplicate of an existing FUDS site.
FTAPH-005-R-01	WILCOX WASTEWATER TREATMENT PLANT	200812	Site Investigation Report, Dec 2008 recommended NFA for both MC and MEC.

MMRP Schedule

Date of MMRP Inception 200202

Past Phase Completion Milestones

2003

PA (FTAPH-001-R-01 - TRAINING RANGE AREA 10, FTAPH-002-R-01 - TRAINING RANGE AREA 16, FTAPH-003-R-01 - TRAINING RANGE AREA 20 AND 21, FTAPH-004-R-01 - TRAINING RANGE AREA 30, FTAPH-005-R-01 - WILCOX WASTEWATER TREATMENT PLANT)

2009

SI (FTAPH-003-R-01 - TRAINING RANGE AREA 20 AND 21, FTAPH-005-R-01 - WILCOX WASTEWATER TREATMENT PLANT)

Projected Phase Completion Milestones

See attached schedule

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates

To Be Determined

Final RA(C) Completion Date:

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of MMRP at Installation (including LTM phase): 202509

FORT A P HILL MMRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTAPH-003-R-01	TRAINING RANGE AREA 20 AND 21	RI/FS						
		LTM						

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): 201102

Restoration Advisory Board (RAB): No

Reason Not Established: The community has expressed no sufficient, sustained interest in a RAB.

Community Interest Solicited on: 201110

Efforts Taken to Determine Interest

In September 2007 and October 2009 public notices were published in a local paper. At the installation's Community Council meeting in October 2011, the community participated and was briefed on the Restoration (MMRP) Program.

Results

The public showed very little interest in Fort A.P. Hill's restoration program.

Follow-up Procedures

Fort A.P. Hill will continue to try to involve the community in future actions and monitor any changes in community interest.

Additional Community Involvement Information

There is very limited community interest in the MMRP at Fort A.P. Hill at this time. Efforts to involve the community in remediation actions resulted in lack of community interest.

Administrative Record is located at

Fort A.P. Hill Environmental Division
19952 North Range Rd
Fort A.P. Hill VA 22427

Information Repository is located at

Fort A.P. Hill Environmental Division
19952 North Range Rd
Fort A.P. Hill VA 22427

Current Technical Assistance for Public Participation (TAPP):N/A

TAPP Title: N/A

Potential TAPP: N/A

