FY2008

WEST POINT MIL RESERVATION

Army Defense Environmental Restoration Program

Installation Action Plan

Printed 30 October 2008

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multi-year 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, with the costs and schedules required to conduct investigations and take the necessary remedial actions (RAs).

In an effort to coordinate planning information between the restoration manager, the US Army Environmental Command (USAEC), the US Military Academy (USMA), and the Installation Management Command (IMCOM) Northeast Region, an IAP was completed. The IAP is used to track requirements, schedules and tentative budgets for all 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.

The following persons contributed to the formulation and completion of this Installation Action Plan for WEST POINT MIL RESERVATION:

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Jarbeau, James	West Point Mil Reservation
Scarborough, Doug	USAEC

Acronyms

AOC	Area of Concern
CMI(C)	Corrective Measures Implementation (Construction)
CMS	Corrective Measure Study
CS	Confirmatory Sampling
CTC	Cost-to-Complete
DES	Design
FRA	Final Remedial Action
FUDS	Formerly Used Defense Site
HE	High Explosives
IAP	Installation Action Plan
IMCOM	Installation Management Command
IRA	Interim Remedial Action
K	$1,000
LTM	Long-Term Management
MIL	Military
mm	millimeter
MRS	Munitions Response Site
MRSPP	Munitions Response Site Prioritization Protocol
N/A	Not Applicable
NFA	No Further Action
NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
OE	Ordnance and Explosives
PA	Preliminary Assessment
PBA	Performance-based Acquisition
PX	Post Exchange
RA(C)	Remedial Action (Construction)
RAB	Restoration Advisory Board
RACER	Remedial Action Cost Engineering and Requirements
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RIP	Remedy In Place
RRSE	Relative Risk Site Evaluation
STAS	Stewart Army Subpost
STR	Skeet and Trap Range
SWMU	Solid Waste Management Unit
TAPP	Technical Assistance for Public Participation
TD	Transferred
TRC	Technical Review Committee
USAEHA	US Army Environmental Hygiene Agency
USEPA	US Environmental Protection Agency
USMA	US Military Academy
UST	Underground Storage Tank

UXO Unexploded Ordnance

Acronym Translation Table

CERCLA		RCRA
Preliminary Assessment(PA)	=	RCRA Facility Assessment(RFA)
Site Inspection(SI)	=	Confirmation Sampling(CS)
Remedial Investigation/Feasiblity Study(RI/FS)	=	RCRA Facility Investigation/Corrective Measures Study(RFI/CMS)
Remedial Design(RD)	=	Design(DES)
Remedial Action (Construction)(RA(C))	=	Corrective Measures Implementation (Construction)(CMI(C))
Remedial Action (Operation)(RA(O))	=	Corrective Measures Implementation (Operation)(CMI(O))
Long Term Management(LTM)	=	Long Term Management(LTM)
Interim Remedial Action(IRA)	=	Interim Measure(IM)

Installation Information

Installation Locale

Installation Size (Acreage): 15974
City: West Point
County: Orange
State: New York
Other Locale Information

The US Military Academy at West Point is located in Orange County in the state of New York, on the west bank of the Hudson River, approximately 45 miles north of New York City. It consists of 15,974 acres, with the main post comprising 2,520 acres. It is bounded by New York State Route 218, the Hudson River, the Village of Highland Falls and US Route 9W. West Point is crossed by the Hudson Highlands, a belt of steep-walled knobbed ridges, irregular hills and mountains and it is a registered National Historic Landmark.

Installation Mission

The mission of the US Military Academy at West Point is to educate, train and inspire the Corps of Cadets so that each graduate is a commissioned leader of character committed to the values of Duty, Honor, Country and prepared for a career of professional excellence and service to the Nation as an officer in the United States Army.

Lead Organization

IMCOM - Northeast

Lead Executing Agencies for Installation

USMA Directorate of Public Works/Environmental Division

IMCOM- Northeast Region

USAEC

Regulator Participation

Federal	US Environmental Protection Agency (USEPA), Region II
State	New York State Department of Environmental Conservation (NYSDEC) Central Office in Albany, New York

National Priorities List (NPL) Status

No NPL Sites have been identified

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

Lack of outstanding cleanup issues or activities does not warrant establishment of a RAB.

Installation Program Summaries

IRP

Primary Contaminants of Concern: Metals, Nitrate/Nitrite, Petroleum, Oil and Lubricants

Affected Media of Concern: Groundwater, Surface Water

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 200207/200207

Prior Funding: $16,289.4 K
Current Requirements: $1,031.0 K
Future Requirements: $3,922.0 K

MMRP

Primary Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Affected Media of Concern: Groundwater, Sediment, Soil, Surface Water

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201709/201709

Prior Funding: $551.2 K

Current Requirements: $96.0 K

Future Requirements: $65,794.0 K

Cleanup Program Summary

Installation Historic Activity

The USMA at West Point is an active US Army Installation. It was officially established at West Point on March 16, 1802. The initial purpose of the Academy was to obtain military technicians for all branches of the military service, to encourage the study of military art nationally, to raise the level of training of the militia, and to encourage the practical study of every science.

Lands formerly known as Stewart Army Subpost (STAS) are located approximately 14 miles northwest of the USMA, in Orange County, in the Town of New Windsor, New York. STAS provided overflow family housing for West Point and included facility and community support to residents and tenants. The divestiture of the STAS site occurred as follows. On November 1999, the USMA transferred 263.86 acres to the Town of New Windsor, in Orange County, New York. On September 29, 1999, 40.4 acres were transferred to the 77th Regional Support Command (Army Reserve). On February 3, 2000, 78.63 acres and 11.69 acres (easement) were transferred to the United States Marine Corps Reserve Marine Aircraft Group 49, Detachment B.

In 1961, West Point was designated as a National Historical Landmark included in the National Register of Historic Places and protected by Executive Order 11593.

Installation Program Cleanup Progress

IRP

Prior Year Progress: A PBA was awarded to support long-term management (LTM) and Operations and Maintenance (O&M) costs at all IRP sites. The PBA included annual physical inspections and groundwater monitoring at the sites. The PX Landfill (Site WSTPT-01) was recapped.

Future Plan of Action: The PBA will support annual physical inspections and groundwater monitoring.

MMRP

Prior Year Progress: An Interim Removal Action (IRA) was underway for site WSTPT-001-R-01. There were no activities occurring at the remaining sites.

Future Plan of Action: An IRA phase is expected to be completed in FY2009 for site WSTPT-001-R-01. A Remedial Investigation/Feasibility Study (RI/FS) is expected to be initiated in FY2010 for WSTPT-008-R-01, WSTPT-011-R-01, WSTPT-013-R-01, WSTPT-015-R-01, WSTPT-016-R-01, and WSTPT-020-R-01. The RI/FS for the remaining sites will be addressed at a later time.

WEST POINT MIL RESERVATION

Army Defense Environmental Restoration Program
Installation Restoration Program

IRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/RC Sites: 30/30

Installation Site Types with Future and/or Underway Phases

16 Landfill

(PBA@USMA, WSTPT-01, WSTPT-02, WSTPT-03, WSTPT-04, WSTPT-05, WSTPT-06, WSTPT-07A, WSTPT-09, WSTPT-10, WSTPT-11, WSTPT-11A, WSTPT-15B, WSTPT-16, WSTPT-35A, WSTPT-48)

Most Widespread Contaminants of Concern

Metals, Nitrate/Nitrite, Petroleum, Oil and Lubricants

Media of Concern

Groundwater, Surface Water

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

Site ID	Site Name	Action	Remedy	FY	Cost
WSTPT-16	ORGANIC COMPOST LOT	IRA	DRAINAGE CONTROLS	1991	$75.0 K
WSTPT-45	CROW'S NEST AREA	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994	$85.0 K
WSTPT-49	USTS AT BUILDING 505	FRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994	$30.0 K
WSTPT-50	BLDG. 632 NAPTHA TANKS	FRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994	$50.0 K
WSTPT-07A	STADIUM LOT F LANDFILL	IRA	DRAINAGE CONTROLS	1996	$35.0 K
WSTPT-09	SKI SLOPE LANDFILL	IRA	DRAINAGE CONTROLS	1996	$98.0 K
WSTPT-10	POST SCHOOL LANDFILL	IRA	DRAINAGE CONTROLS	1996	$362.0 K
WSTPT-15A	MORGAN FARM LANDFILL	FRA	REMOVAL	1996	$300.0 K
WSTPT-07A	STADIUM LOT F LANDFILL	IRA	DRAINAGE CONTROLS	1997	$100.0 K
WSTPT-13	VILLAGE FARM LANDFILL	FRA	REMOVAL	1998	$300.0 K
WSTPT-44	SKEET AND TRAP RANGE	FRA	NATURAL ATTENUATION	1998	$60.0 K
WSTPT-04	STADIUM LOT C LANDFILL	FRA	CAPPING	1999	$132.0 K
WSTPT-06	STADIUM LOT E LANDFILL	FRA	CAPPING	1999	$141.0 K
WSTPT-07A	STADIUM LOT F LANDFILL	FRA	CAPPING	1999	$132.0 K
WSTPT-10	POST SCHOOL LANDFILL	FRA	DRAINAGE CONTROLS	1999	TBD
WSTPT-04	STADIUM LOT C LANDFILL	FRA	DRAINAGE CONTROLS	2001	$125.0 K
WSTPT-06	STADIUM LOT E LANDFILL	FRA	DRAINAGE CONTROLS	2001	$150.0 K
WSTPT-07A	STADIUM LOT F LANDFILL	FRA	DRAINAGE CONTROLS	2001	$160.0 K
WSTPT-09	SKI SLOPE LANDFILL	FRA	DRAINAGE CONTROLS	2001	$130.0 K
WSTPT-09	SKI SLOPE LANDFILL	FRA	CAPPING	2001	$110.0 K
WSTPT-11	MOTORPOOL LANDFILL	FRA	DRAINAGE CONTROLS	2001	$82.0 K
WSTPT-11A	MOTORPOOL EAST LANDFILL	FRA	DRAINAGE CONTROLS	2001	$82.0 K
WSTPT-11A	MOTORPOOL EAST LANDFILL	FRA	CAPPING	2001	$146.0 K
WSTPT-02	STADIUM LOT A LANDFILL	FRA	DRAINAGE CONTROLS	2002	$116.5 K
WSTPT-02	STADIUM LOT A LANDFILL	FRA	CAPPING	2002	$52.0 K
WSTPT-03	STADIUM LOT B LANDFILL	FRA	CAPPING	2002	$116.5 K
WSTPT-03	STADIUM LOT B LANDFILL	FRA	DRAINAGE CONTROLS	2002	$52.0 K

IRP Summary

Total Environmental Restoration, Army (ER,A) Funding

Prior Funding (Includes BRAC funding from FY04 and prior years) $16,289.4 K
Current Requirements: $1,031.0 K
Future Requirements: $3,922.0 K

Duration of IRP

Date of IRP Inception: 198404
Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 200207/200207
Date of IRP completion including Long Term Management (LTM): 202906

IRP Contamination Assessment

Contamination Assessment Overview

In November 1988, the USMA submitted a Resource Conservation and Recovery Act (RCRA) Part B permit application to the USEPA for hazardous waste storage and a Subpart X permit for an open burn/open detonation site. The USMA is considered a large quantity generator of hazardous waste. Accumulated hazardous waste is moved to a central storage area where it is staged prior to shipment for up to 90 days. In December 1988, the application for the container storage facility was rescinded by the USMA and the container storage sites underwent closure inspection and testing by the USEPA under "Closure Prior to Loss of Interim Status." Although the Part B permit had been rescinded, the Corrective Action provisions remain per the 1984 Hazardous and Solid Waste Amendments Section 3004 (h). Therefore, the USMA remains under interim status while LTM is being conducted.

In November 1990, the US Army Environmental Hygiene Agency (USAEHA) (now the US Army Center for Health Promotion and Preventive Medicine) conducted a survey of Solid Waste Management Units (SWMUs) at the USMA pursuant to RCRA corrective action requirements. The USAEHA survey identified 16 inactive landfills. Subsequently, the USMA identified four additional inactive landfills. The landfills are all under LTM.

In 1991, a Preliminary Assessment (PA) was initiated prior to the replacement of a natural gas line that crossed the Crow's Nest area of Storm King Mountain. Research for the project revealed that the Crow's Nest area had been an artillery impact area. The project to replace the gas line was terminated following the discovery of ordnance and explosive (OE) waste along the proposed gas line. A Remedial Investigation (RI) limited surface sweep discovered 75 suspect OE wastes; 15 were on adjacent park property. The Army Safety Office assigned the site a Risk Assessment Code ranking of 2 which dropped its priority on the Installation Restoration Program (IRP) Work Plan.

In 1992, four known abandoned tanks located at West Point were added to the inventory of abandoned tanks (WSTPT-46) slated for locating and removal at STAS. In 1992, an investigation was initiated to assess the impact of lead deposition in a wetland from a formerly used Skeet and Trap Range (STR) at Camp Buckner.

Cragston Landfill (WSTPT-14) is a sanitary landfill undergoing RCRA Subtitle D closure outside the IRP. The South Fill (WSTPT-12), the Hospital Parking Lot (WSTPT-23A), and the Stadium Lots G (WSTPT-07B) and H (WSTPT-07C) landfills are listed on the Army Environmental Database-Restoration (AEDB-R) database, but no further response action is planned, since records indicate they were used for clean construction and demolition debris and no releases are evident.

The USMA has 29 sites (14 of the sites listed under AEDB-R are not active) grouped into six projects under the IRP. Landfills account for 20 of these sites. These landfills were used from the 1940s to the 1980s to dispose of municipal solid waste, construction and demolition debris, and land clearing debris. Analytical results for the leachate samples from several of the landfills have exhibited heavy metals constituents. The other projects include a former STR located in the Camp Buckner wetlands where lead deposits were of concern (WSTPT-44), a former impact area at Crow's Nest where OE waste is present (WSTPT-45), and the closure of several abandoned underground storage tanks (USTs) (WSTPT-46 and 47).

The fifth year of LTM was completed and a Five-Year Review of data-evaluation report was required with the NYSDEC. The NYSDEC agreed to a reduced sampling frequency and time-frame for the site's closure (e.g., discontinue sampling).

Cleanup Exit Strategy

LTM and cap maintenance will continue under PBA as will Five-Year Data Reviews.

IRP Previous Studies

	Title	Author	Date
1988			
	Design Analysis Report for Michie Stadium Parking Lot Landfills (C, E & F)	Louis Berger & Associates, Inc.	JUL-1988
1994			
	Draft Work Plan and Chemical Data Acquisition Plan, RCRA Facility Assessment of Ten Landfills	Woodward Clyde Federal Services	JAN-1994
	Subsurface Investigation Report of 6 Landfills	LAW Engineering and Environmental Services	JUL-1994
	Remedial Investigation at Building 2228 Fueling Facility	EA Engineering, Science and Technology	AUG-1994
1995			
	Project Plans for Expanded RCRA Facility Assessment of Four Landfills	EA Engineering, Science and Technology	MAR-1995
	RCRA Facility Assessment (RFA) of Ten Landfills Report	Woodward Clyde Federal Services	JUN-1995
	Project Plans for the Phase II Remedial Investigation and Leachate Management Analysis of Six Landfills	EA Engineering, Science and Technology	JUN-1995
1996			
	Decision Document Camp Buckner Skeet and Trap Range	EA Engineering, Science and Technology	JAN-1996
	Phase II Investigation Report of Six Landfills	EA Engineering, Science and Technology	AUG-1996
	Phase II Leachate Management Analysis of Six Landfills	EA Engineering, Science and Technology	AUG-1996
	Quality Control Summary Report of Six Landfills	EA Engineering, Science and Technology	AUG-1996
	Expanded RCRA Facility Assessment of Four Landfills	EA Engineering, Science and Technology	SEP-1996
	Quality Control Summary Report of Four Landfills	EA Engineering, Science and Technology	SEP-1996
	USMA Landfill Remediation Contract No. DACAW45-94-D-0054 Delivery Order No. 19	IT Corporation	SEP-1996
	Design Concept for Post School Landfill Closure	Malcolm Pirnie, Inc.	OCT-1996
1997			
	Decision Document for the Village Farm Landfill	DHPW EMD	APR-1997
	RCRA Facility Investigation of Ten Landfills	Malcolm Pirnie, Inc.	JUN-1997
	Post School Landfill Closure Design, Design Analysis Report	Malcolm Pirnie, Inc.	JUL-1997
	Post School Landfill Closure Design Contract Specifications	Malcolm Pirnie, Inc.	JUL-1997
1998			
	Contract Specifications for Michie Stadium Parking Lot Landfills (C, E & F)	Malcolm Pirnie, Inc.	JUL-1998
	Design Analysis Report for Michie Stadium Parking Lot Landfills (C, E & F)	Malcolm Pirnie, Inc.	JUL-1998
	Design Analysis Report for Motor Pool Landfill Closure	EA Engineering, Science and Technology	AUG-1998
1999			
	The Final Report Addendum for Village Farm Landfill Remediation	IT Corporation	JAN-1999
	Decision Document for the Motorpool Landfill	DHPW EMD	JAN-1999

IRP Previous Studies

	Title	Author	Date
1999			
	Decision Document for the Post School Landfill	DHPW EMD	JAN-1999
	Decision Document for Lots C, E, and F	DHPW EMD	JAN-1999
	100% Completion Phase Design Analysis Report, Construction Cost Estimate and Contract Specifications for Michie Stadium Parking Lot Landfills (C, E, & F)	Unknown	FEB-1999
	Design Analysis Report Ski Lot Landfill Closure	Sparks, EA Engineering, Science and Technology	JUN-1999
	Design Analysis Report Motor Pool East Landfill Closure	EA Engineering, Science and Technology	JUN-1999
	Decision Document for the Motorpool East Landfill	DHPW EMD	OCT-1999
	Ten Landfills RCRA Facility Investigation Phase II Groundwater Monitoring Draft Final Report	Malcolm Pirnie, Inc.	DEC-1999
2000			
	Contract Specifications for Michie Stadium Parking Lot Landfills (C, E, & F)	Malcolm Pirnie, Inc.	FEB-2000
2001			
	Sampling and Analysis Plan for Long-Term Monitoring and Maintenance Program at 15 Landfills	EA Engineering, Science and Technology	DEC-2001
2002			
	Decision Document for the 12,000 Gallon UST at STAS	DHPW EMD	MAR-2002
	Data Summary Sheet Report for Year 2001 LTM Maintenance Project at 15 Landfills	EA Engineering, Science and Technology	MAR-2002
	Engineering Inspection Study for the Year 2002 LTM Maintenance Project at 15 Landfills	EA Engineering, Science and Technology	JUN-2002
	Data Summary Sheet Report for Year 2002 LTM Maintenance Project at 15 Landfills	EA Engineering, Science and Technology	JUL-2002
2003			
	Data Summary Sheet Report for Year 2003 LTM Maintenance Project at 15 Landfills	EA Engineering, Science and Technology	JUL-2003
	USMA Installation Action Plan	DHPW EMD	NOV-2003
2004			
	Monitoring Well Repairs at Multiple Landfill Locations and Landfill Maintenance	EA Engineering, Science and Technology	AUG-2004
2005			
	Five-Year Review Data Summary Report for the Long-Term Monitoring and Maintenance Program at 15 Landfills	EA Engineering, Science and Technology	SEP-2005

WEST POINT MIL RESERVATION

Installation Restoration Program

Site Descriptions

Site ID: PBA@USMA
Site Name: PBA at USMA

STATUS

Regulatory Driver: CERCLA

RRSE:

Contaminants of Concern: Metals, Nitrate/Nitrite, Petroleum, Oil and Lubricants

Media of Concern: Groundwater, Surface Water

Phases	Start	End
PA	199011	199104
LTM	200803	201512

RIP Date: N/A

RC Date: 199104

SITE DESCRIPTION

This PBC site was created to track the funding for the PBA awarded in 2008. The sites under this PBA are WSTPT-01, WSTPT-02, WSTPT-03, WSTPT-04, WSTPT-05, WSTPT-06, WSTPT-07A, WSTPT-09, WSTPT-10, WSTPT-11, WSTPT-11A, WSTPT-15B, WSTPT-16, WSTPT-35A, and WSTPT-48. Please refer to the individual site for descriptions and phase schedules.

CLEANUP/EXIT STRATEGY

The Facility-Wide Monitoring Program will continue with a statutory 30-year Post-Closure. The frequency of monitoring at Stadium Lots A, B, D, and F Landfills and Organic Compost Landfill will be reduced from annual to biennial.

Site ID: WSTPT-01
Site Name: PXLANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199208	199506
RFI/CMS	199604	199912
LTM	200109	202906

RIP Date: N/A

RC Date: 199912

SITE DESCRIPTION

The Post Exchange (PX) Landfill is part of the 10 Landfill Investigation Report and is a two to three acre landfill located under the parking lot at the former PX. During the 1940s this was the installation's landfill for domestic waste. The pit and area methods of land filling were used here. The landfill is closed, covered and paved. A parking lot and the former PX service station now cover part of the site. Although leachate seeps were observed at this site in the past, recent engineering inspections have not detected any seeps.

In March 1998 the NYSDEC requested additional sampling of this site. The additional sampling was performed as a supplement to the 10 Landfill and in January 2000 an investigation was submitted to NYSDEC. The supplement recommended No Further Action (NFA) at the Landfill based on sample results. A Decision Document (DD) was not prepared because a remedial action was not required. The PX Landfill has been included in the USMA's Sampling and Analysis Plan for LTM and maintenance and groundwater sampling is conducted at this site. In FY07, the USMA proposed, and the state agreed to, a sampling frequency reduced to every five years.

In FY08, the landfill was recapped with improved drainage and curbing.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-01 Maps and Photos

WSTPT-01 PX Landfill

Site ID: WSTPT-02
Site Name: STADIUM LOT A LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199208	199506
RFI/CMS	199604	199706
DES	199809	200010
CMI(C)	200109	200207
LTM	200208	202906

RIP Date: N/A

RC Date: 200207

SITE DESCRIPTION

The Michie Stadium Lot A Landfill is part of the 10 Landfill Investigation and is located west of Michie Stadium. This 0.6-acre landfill was used from about 1952 to 1954. The pit and trench methods were used. The landfill is closed and completely paved. In FY02 the cap and drainage system improvements were constructed. The site is now used as a parking lot. Although leachate seeps were observed at this site in the past, recent engineering inspections have not detected any seeps. The LTM includes maintaining the cap, drainage system and monitoring wells and performing annual ground water monitoring. Negotiations with the state require continued annual sampling.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-02 Maps and Photos

WSTPT-02 Stadium Lot A Landfill

Site ID: WSTPT-03
Site Name: STADIUM LOT B LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199208	199506
RFI/CMS	199604	199706
DES	199809	200010
CMI(C)	200109	200207
LTM	200208	202906

RIP Date: N/A

RC Date: 200207

SITE DESCRIPTION

Site WSTPT-03, which was part of the 10 Landfill Project, is located west of Michie Stadium; access is from Stony Lonesome Road. This 0.3-acre landfill reportedly received refuse in 1954. The pit and trench methods were used. The landfill is closed and completely paved. In FY02 a cap and drainage system improvements were constructed. The site is now used as a parking lot. Although leachate seeps were observed at this site in the past, recent engineering inspections have not detected any seeps. The LTM for this site includes cap and drainage maintenance. The site does not require annual groundwater monitoring; however the downgradient well from Lot A will be sampled to verify there is no contamination from Lot B.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-03 Maps and Photos

WSTPT-03 Stadium Lot B Landfill

Site ID: WSTPT-04
Site Name: STADIUM LOT C LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Groundwater

Phases	Start	End
RFA	199011	199104
CS	199208	199506
RFI/CMS	199604	199707
DES	199609	200004
CMI(C)	199901	200107
LTM	200109	202906

RIP Date: N/A

RC Date: 200107

SITE DESCRIPTION

Site WSTPT-04 was part of the 10 Landfill Project and is located west of Michie Stadium; access is from Stony Lonesome Road. This 1.6-acre landfill was used from about 1955 through 1956. The pit and trench methods were used. The landfill is closed and undergoing LTM. An asphalt cap was installed in FY06 and drainage improvements were made to prevent infiltration and reduce leachate generation. The site is now used as a parking lot. Although leachate seeps have been identified at this site in the past, recent engineering inspections have not detected any seeps.

Site WSTPT-04 has been included in USMA's Sampling and Analysis Plan for LTM and Maintenance and groundwater sampling is conducted at this site. In FY06 the cap and drainage systems were upgraded. In FY07, the USMA proposed, and the state agreed to, a sampling frequency reduced to every five years.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-04 Maps and Photos

WSTPT-04 Stadium Lot C Landfill

Site ID: WSTPT-05
Site Name: STADIUM LOT D LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Metals

Media of Concern: Groundwater

Phases	Start	End
RFA	199011	199104
CS	199107	199407
RFI/CMS	199408	199608
LTM	200109	202906

RIP Date: N/A

RC Date: 199701

SITE DESCRIPTION

Site WSTPT-05, part of the 6 Landfill project, is located west of Michie Stadium; access is from Stony Lonesome Road. This two acre landfill was active between 1956 and 1958. The pit and trench methods were used. The site is now used as a parking lot. A perimeter drain has been installed. Although leachate seeps have been identified at this site in the past, recent engineering inspections did not detect any seeps. In FY07 a new cap was completed and drainage improvements were made at this site. The LTM includes groundwater monitoring, drainage swale cleaning, and cap maintenance.

Site WSTPT-05 has been included in the USMA's Sampling and Analysis Plan for LTM and Maintenance and annual groundwater sampling is conducted at this site.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-05 Maps and Photos

WSTPT-05 Stadium Lot D Landfill

Site ID: WSTPT-06
Site Name: STADIUM LOT E LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199208	199506
RFI/CMS	199604	199706
DES	199609	200004
CMI(C)	199901	200107
LTM	200109	202906

RIP Date: N/A

RC Date: 200107

SITE DESCRIPTION

Site WSTPT-06, part of the 10 Landfill Project, is located west of Michie Stadium; access is from Stony Lonesome Road. This four-acre landfill was used from about 1952 through 1954. The pit and trench methods were used. The landfill is closed and completely paved. The site is now used as a parking lot. In FY02 cap and drainage system improvements were constructed. Leachate seeps have been identified at this site in the past and a leachate collection system was installed in FY01. The system will be evaluated for effectiveness.

A cap and drainage improvement design was initiated in FY96 and was completed in FY99. A stormwater upgrade project was completed in FY01. Site WSTPT-06 has been included in the USMA's Sampling and Analysis Plan for LTM and Maintenance and groundwater sampling is conducted at this site. The LTM includes groundwater monitoring, cap and monitoring well maintenance, and drainage swale cleaning. In FY07, the USMA proposed, and the state agreed to, a sampling frequency reduced to every five years.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-06 Stadium Lot E Landfill

Site ID: WSTPT-07A
Site Name: STADIUM LOT F LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199107	199407
RFI/CMS	199408	199608
DES	199609	200004
IRA	199510	199707
CMI(C)	199901	200107
LTM	200109	202906

RIP Date: N/A

RC Date: 200107

SITE DESCRIPTION

The Michie Stadium Lot F Landfill, part of the 6 Landfill Investigation Report, is located southwest of Michie Stadium; access is from Stony Lonesome Road. This three acre landfill was used primarily in 1965. The pit and trench methods were used. The landfill is closed and paved. A stormwater upgrade project was completed in FY01. The site is now used as a parking lot. Leachate seeps have been identified at this site in the past and a leachate collection system was installed in FY01. In FY03 leachate seeps investigations and repair of blanket drains (BD-1, BD-2) were completed. The Michie Stadium Lot F Landfill has been included in the USMA's Sampling and Analysis Plan for LTM and maintenance and annual groundwater sampling is conducted at this site. The collection system was upgraded in FY04.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-07A Maps and Photos

WSTPT-7A Stadium Lot F Landfill

Site ID: WSTPT-09
Site Name: SKI SLOPE LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199107	199407
RFI/CMS	199408	199608
DES	199709	199905
IRA	199604	199604
CMI(C)	200009	200107
LTM	200109	202906

RIP Date: N/A

RC Date: 200107

SITE DESCRIPTION

The Ski Slope Landfill, WSTPT-09, part of the 6 Landfill project, is located adjacent to the ski lodge; access is from New York State Route 218. This 0.7-acre landfill was used from about 1965 through 1974. The pit and area methods were used for disposal of sanitary and construction wastes. The landfill is closed and completely paved and the site is now used as a parking lot. In FY00 a leachate collection system was installed. Sediments in an adjacent stream have been discolored by leachate. Although leachate seeps have been identified at this site in the past, recent engineering inspections have not detected any seeps.

In FY01 cap and drainage system improvements were constructed and completed. In FY05 a seepage collection pipe was installed to reduce seepage emanating to the surface. Site WSTPT-09 has been included in the USMA's Sampling and Analysis Plan for LTM and Maintenance and groundwater sampling is conducted at this site. In FY07, the USMA proposed, and the state agreed to, a sampling frequency reduced to every five years.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-09 Maps and Photos

WSTPT-09 Ski Slope Landfill

Site ID: WSTPT-10
Site Name: POST SCHOOL LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199107	199407
RFI/CMS	199408	199608
DES	199609	199708
IRA	199603	199604
CMI(C)	199709	199905
LTM	200109	202906

RIP Date: N/A

RC Date: 199905

SITE DESCRIPTION

The Post School Landfill, which was part of the 6 Landfill Investigation Report, is located adjacent to the West Point Elementary School. Access is from the school parking lot or Barry Road. This 2.5-acre landfill was used from about 1964 through 1969. The pit and area methods were used. The landfill is closed and vegetated. The site is used as a playing field for the school and youth activities center. Although leachate seeps have been identified at this site in the past, recent engineering inspections have not detected any seeps.

Sediments in an adjacent stream have been discolored by leachate. In 1998, a leachate collection tank was installed and upgraded. The perimeter drainage swale and leachate collection system have been upgraded as an interim remedial action. A cap and drainage improvement design was finalized in FY97 and implemented in FY98.

The Post School Landfill has been included in the USMA's Sampling and Analysis Plan for LTM and maintenance is conducted at this site. LTM includes groundwater monitoring, drainage swale cleaning, and cap monitoring well maintenance.

In FY07, the USMA proposed, and the state agreed to, a sampling frequency reduced to every five years.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-10 Maps and Photos

WSTPT-10 Post School Landfill

Site ID: WSTPT-11
Site Name: MOTORPOOL LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Metals, Petroleum, Oil and Lubricants

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199107	199407
RFI/CMS	199408	199807
DES	199709	199808
CMI(C)	199902	200103
LTM	200109	202906

RIP Date: N/A

RC Date: 200103

SITE DESCRIPTION

The Motor Pool Landfill, part of the 6 Landfill Investigation Report, is located east of the Motor Pool fuel distribution system; access is from Reynolds Road. This 4.5-acre landfill was used from about 1964 through 1969. The pit and fill method was used for disposal of sanitary refuse. The landfill is now used as a parking lot for motor pool vehicles. In FY99, the cap was enhanced and drainage controls were installed.

Leachate seeps have been identified at this site in the past. In FY01 a leachate collection system was installed to remedy a seep downgradient of the landfill. Recent engineering inspections have identified that the seep in the vicinity of monitoring well 95LS-02 has increased and in FY03 additional investigation into the source of the seep was performed. The results of the investigation confirmed that the existing leachate collection system was inadequate and a new design was proposed. In FY06 the USMA upgraded the leachate collection system. The Motor Pool Landfill has been included in the USMA's Sampling and Analysis Plan for LTM and maintenance and groundwater sampling is conducted at this site. In FY07, the USMA proposed, and the state agreed to, a sampling frequency reduced to every five years.

This site has been identified for the future location of the USMA prep school. The impact this will have on the existing landfill is unknown. The Decision Document is being drafted. Impacts to the landfill are expected to be identified in FY08-FY09. A funding request may follow.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-11 Maps and Photos

WSTPT-11 Motorpool Landfill

Site ID: WSTPT-11A
Site Name: MOTORPOOL EAST LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199409	199609
RFI/CMS	199409	199812
DES	199709	200108
CMI(C)	200104	200109
LTM	200109	202906

RIP Date: N/A

RC Date: 200109

SITE DESCRIPTION

The Motor Pool East Landfill, which was part of the 4 Landfill Investigation Report, is located west of the Motor Pool Maintenance Buildings (Building 793/795). This 1.7-acre landfill was operated from 1964 to 1969 and reportedly received construction and demolition debris on its north side and sanitary waste on its south side.

In 2002 the landfill was covered and paved. The site is now used as a parking lot by the Motor Pool. During construction of the cover, a leachate seep was observed emanating from the site. A cap and in FY02 drainage system improvements were designed, constructed and completed. The Motor Pool East Landfill has been included in the USMA's Sampling and Analysis Plan for LTM and maintenance and groundwater sampling is conducted at this site. In FY07, the USMA proposed, and the state agreed to, a sampling frequency reduced to every five years.

This site has been identified for the future location of the USMA prep school. The impact this will have on the existing landfill is unknown. The Decision Document is being drafted. Impacts to the landfill are expected to be identified in FY08-FY09. A funding request may follow.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-11A Maps and Photos

WSTPT-11A Motorpool East Landfill

Site ID: WSTPT-15B
Site Name: HIGH SCHOOL LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199408	199509
LTM	200109	202906

RIP Date: N/A

RC Date: 199603

SITE DESCRIPTION

The High School Landfill, which was part of the 10 Landfill Investigation Report, is located on land deeded to the Town of Highlands School District (approximately five miles from the main post); access is from Morgan Farm Road and Route 9W. The landfill consists of two separate fill areas: the playing field, west of the school building, and the track, southeast of the school building.

Although the landfill is located on land deeded to the Town of Highland Falls School District, the USMA as Primary Responsible Party for disposal of waste at the landfill is required to maintain the site in the IRP LTM Program. In FY04, due to settling, half the landfill was brought back up to grade. Negotiations with the state resulted in an agreement to terminate groundwater monitoring at this site in FY07.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-15B Maps and Photos

WSTPT-15B Highschool Landfill

Site ID: WSTPT-16
Site Name: ORGANIC COMPOST LOT

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals, Nitrate/Nitrite

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199107	199609
IRA	199103	199103
LTM	200109	202906

RIP Date: N/A

RC Date: 199609

SITE DESCRIPTION

The Organic Compost Landfill was part of the 6 Landfill Investigation Report and is located northwest of Building 743; access is from Garrard Road. This 0.5-acre landfill was used in the 1960s to dispose of construction debris. More recently, the site was used for composting organic material including leaves, mulch, tree limbs and grass cuttings. The landfill is closed and is currently used as a lumber storage yard. A leachate tank was installed at the site. The landfill cover was initially tarred and chipped, but was resurfaced in FY05. Although leachate seeps have been identified at this site in the past, recent engineering inspections have not detected any seeps.

The Organic Compost Landfill has been included in the USMA's Sampling and Analysis Plan for LTM and maintenance and annual groundwater sampling is conducted at this site.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-16 Maps and Photos

WSTPT-16 Organic Compost Lot

Site ID: WSTPT-35A
Site Name: CAMP BUCKNER LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199011	199104
CS	199208	199506
RFI/CMS	199604	199912
LTM	200109	202906

RIP Date: N/A

RC Date: 199912

SITE DESCRIPTION

The Camp Buckner Landfill was part of the 10 Landfill Investigation Report and is located in the reservation area of the installation, at Camp Buckner. Access is from Patton Road, the main road into Camp Buckner, which intersects with Route 293. This 1.3-acre landfill was used in the 1970s and was composed of construction and demolition debris. There are two small ponds north of the landfill; one is adjacent to the landfill and the other is approximately 150 feet away. The landfill is closed and covered with packed gravel and stone. The site is now used as a parking lot. In FY04, due to settling, the landfill was brought back up to grade.

The Camp Buckner Landfill has been included in the USMA's Sampling and Analysis Plan for LTM and maintenance and groundwater sampling is conducted at this site. In FY07, the USMA proposed, and the state agreed to, a sampling frequency reduced to every five years.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-35A Maps and Photos

WSTPT-35A Camp Buckner Landfill

Site ID: WSTPT-48
Site Name: BLDG.706 PARKING LOT LANDFILL

STATUS

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Metals

Media of Concern: Groundwater, Surface Water

Phases	Start	End
RFA	199409	199609
LTM	200109	202906

RIP Date: N/A

RC Date: 199609

SITE DESCRIPTION

The Building 706 Parking Lot Landfill, which was part of the 4 Landfill Investigation Report, is located next to Building 706 (Maintenance Facility); access is from Stony Lonesome Road. The period of use is unknown, but based on surrounding sites (Michie Stadium Lots A-C) it is probably between 1952 and 1956. The one-acre landfill is now closed, paved and used as a parking lot. In FY01 the landfill was resurfaced. The Building 706 Parking Lot Landfill has been included in the USMA's Sampling and Analysis Plan for LTM and maintenance and groundwater sampling is conducted at this site. In FY06 slope and embankment stabilization was accomplished. In FY07, the USMA proposed, and the state agreed to, a sampling frequency reduced to every five years.

CLEANUP/EXIT STRATEGY

A Status Quo strategy will be implemented for all sites at USMA. During the production of the next Five-Year Report (in September 2010), West Point will request a reduction in the frequency of groundwater sampling from annual to biennial or less frequent for Lots A & B, Lot D, Lot F, and the Organic Compost Lot.

Actions at this site are captured under PBA@USMA.

WSTPT-48 Maps and Photos

WSTPT-48 Bldg 706 Parking Lot Landfill

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
WSTPT-07B	STADIUM LOT G LANDFILL	198412	Landfill (LF) contains clean construction fill per geotechnical exploration.
WSTPT-07C	STADIUM LOT H LANDFILL	199011	LF contains clean construction fill. No cleanup required.
WSTPT-08	PROFESSOR'S ROW LANDFILL	199506	Could not locate site during CS in 1995.
WSTPT-12	SOUTH FILL	198412	No contamination found during confirmatory sampling (CS).
WSTPT-12A	WASHINGTON GATE LANDFILL	199610	No contamination found during RCRA Facility Assessment (RFA).
WSTPT-13	VILLAGE FARM LANDFILL	199809	Contaminated soil removal completed in 1998.
WSTPT-14	CRAGSTON LANDFILL	199104	Not eligible for ER,A funding. This site was closed using Installation Operation and Maintenance Account Environmental funding.
WSTPT-15A	MORGAN FARM LANDFILL	199605	Site consolidated into WSTPT-14.
WSTPT-23A	HOSPITAL PARKING LOT LANDFILL	198412	LF contains clean construction fill. No cleanup required.
WSTPT-44	SKEET AND TRAP RANGE	199801	Lead contamination remediated by natural attenuation.
WSTPT-45	CROW'S NEST AREA	199404	Drums, tanks and bulk containers removed in 1994.
WSTPT-47	ASP LANDFILL	199703	No contamination found during CS.
WSTPT-49	USTS AT BUILDING 505	199412	Based on Tank Closure Report for USTs Across from Building 505, USAMA 1994; UST removal completed in 1994.
WSTPT-50	BLDG. 632 NAPTHA TANKS	199409	UST removal completed in 1994.

IRP Schedule

Date of IRP Inception: 198404

Past Phase Completion Milestones

1985	
CS	(WSTPT-12 - SOUTH FILL, WSTPT-23A - HOSPITAL PARKING LOT LANDFILL, WSTPT-45 - CROW'S NEST AREA)
RFA	(WSTPT-07B - STADIUM LOT G LANDFILL, WSTPT-07C - STADIUM LOT H LANDFILL, WSTPT-12 - SOUTH FILL, WSTPT-23A - HOSPITAL PARKING LOT LANDFILL, WSTPT-44 - SKEET AND TRAP RANGE, WSTPT-45 - CROW'S NEST AREA)
1991	
IRA	(WSTPT-16 - ORGANIC COMPOST LOT)
CS	(WSTPT-07C - STADIUM LOT H LANDFILL)
RFA	(WSTPT-01 - PXLANDFILL, WSTPT-02 - STADIUM LOT A LANDFILL, WSTPT-03 - STADIUM LOT B LANDFILL, WSTPT-04 - STADIUM LOT C LANDFILL, WSTPT-05 - STADIUM LOT D LANDFILL, WSTPT-06 - STADIUM LOT E LANDFILL, WSTPT-07A - STADIUM LOT F LANDFILL, WSTPT-08 - PROFESSOR'S ROW LANDFILL, WSTPT-09 - SKI SLOPE LANDFILL, WSTPT-10 - POST SCHOOL LANDFILL, WSTPT-11 - MOTORPOOL LANDFILL, WSTPT-13 - VILLAGE FARM LANDFILL, WSTPT-14 - CRAGSTON LANDFILL, WSTPT-15A - MORGAN FARM LANDFILL, WSTPT-15B - HIGH SCHOOL LANDFILL, WSTPT-16 - ORGANIC COMPOST LOT, WSTPT-35A - CAMP BUCKNER LANDFILL, WSTPT-47 - ASP LANDFILL)
PA	(PBA@USMA - PBA at USMA)
1993	
ISC	(WSTPT-50 - BLDG. 632 NAPTHA TANKS)
CS	(WSTPT-44 - SKEET AND TRAP RANGE)
1994	
RFI/CMS	(WSTPT-45 - CROW'S NEST AREA)
IRA	(WSTPT-45 - CROW'S NEST AREA)
ISC	(WSTPT-49 - USTS AT BUILDING 505)
CS	(WSTPT-05 - STADIUM LOT D LANDFILL, WSTPT-07A - STADIUM LOT F LANDFILL, WSTPT-09 - SKI SLOPE LANDFILL, WSTPT-10 - POST SCHOOL LANDFILL, WSTPT-11 - MOTORPOOL LANDFILL)
IMP(C)	(WSTPT-49 - USTS AT BUILDING 505, WSTPT-50 - BLDG. 632 NAPTHA TANKS)
1995	
CS	(WSTPT-01 - PXLANDFILL, WSTPT-02 - STADIUM LOT A LANDFILL, WSTPT-03 - STADIUM LOT B LANDFILL, WSTPT-04 - STADIUM LOT C LANDFILL, WSTPT-06 - STADIUM LOT E LANDFILL, WSTPT-08 - PROFESSOR'S ROW LANDFILL, WSTPT-13 - VILLAGE FARM LANDFILL, WSTPT-15B - HIGH SCHOOL LANDFILL, WSTPT-35A - CAMP BUCKNER LANDFILL)
DES	(WSTPT-15A - MORGAN FARM LANDFILL)
RFI/CMS	(WSTPT-15A - MORGAN FARM LANDFILL)
1996	
IRA	(WSTPT-09 - SKI SLOPE LANDFILL, WSTPT-10 - POST SCHOOL LANDFILL)
CMI(C)	(WSTPT-15A - MORGAN FARM LANDFILL)
RFI/CMS	(WSTPT-05 - STADIUM LOT D LANDFILL, WSTPT-07A - STADIUM LOT F LANDFILL, WSTPT-09 - SKI SLOPE LANDFILL, WSTPT-10 - POST SCHOOL LANDFILL, WSTPT-44 - SKEET AND TRAP RANGE)
CS	(WSTPT-16 - ORGANIC COMPOST LOT, WSTPT-47 - ASP LANDFILL)
RFA	(WSTPT-11A - MOTORPOOL EAST LANDFILL, WSTPT-12A - WASHINGTON GATE LANDFILL, WSTPT-48 - BLDG.706 PARKING LOT LANDFILL)
1997	
IRA	(WSTPT-07A - STADIUM LOT F LANDFILL)
RFI/CMS	(WSTPT-02 - STADIUM LOT A LANDFILL, WSTPT-03 - STADIUM LOT B LANDFILL, WSTPT-04 - STADIUM LOT C LANDFILL, WSTPT-06 - STADIUM LOT E LANDFILL, WSTPT-13 - VILLAGE FARM LANDFILL)
DES	(WSTPT-10 - POST SCHOOL LANDFILL, WSTPT-44 - SKEET AND TRAP RANGE)
1998	
DES	(WSTPT-11 - MOTORPOOL LANDFILL, WSTPT-13 - VILLAGE FARM LANDFILL)

RFI/CMS	(WSTPT-11 - MOTORPOOL LANDFILL)
CMI(C)	(WSTPT-13 - VILLAGE FARM LANDFILL, WSTPT-44 - SKEET AND TRAP RANGE)
1999	
DES	(WSTPT-09 - SKI SLOPE LANDFILL)
CMI(C)	(WSTPT-10 - POST SCHOOL LANDFILL)
RFI/CMS	(WSTPT-11A - MOTORPOOL EAST LANDFILL)
2000	
RFI/CMS	(WSTPT-01 - PXLANDFILL, WSTPT-35A - CAMP BUCKNER LANDFILL)
DES	(WSTPT-04 - STADIUM LOT C LANDFILL, WSTPT-06 - STADIUM LOT E LANDFILL, WSTPT-07A - STADIUM LOT F LANDFILL)
2001	
CMI(C)	(WSTPT-04 - STADIUM LOT C LANDFILL, WSTPT-06 - STADIUM LOT E LANDFILL, WSTPT-07A - STADIUM LOT F LANDFILL, WSTPT-09 - SKI SLOPE LANDFILL, WSTPT-11 - MOTORPOOL LANDFILL, WSTPT-11A - MOTORPOOL EAST LANDFILL)
DES	(WSTPT-02 - STADIUM LOT A LANDFILL, WSTPT-03 - STADIUM LOT B LANDFILL, WSTPT-11A - MOTORPOOL EAST LANDFILL)
2002	
CMI(C)	(WSTPT-02 - STADIUM LOT A LANDFILL, WSTPT-03 - STADIUM LOT B LANDFILL)

Projected Phase Completion Milestones

See attached schedule

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

Site ID	Site Name	ROD/DD Title	ROD/DD Date

Final RA(C) Completion Date: 200207

NPL Deletion Date: N/A

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of IRP at Installation (including LTM phase): 202906

WEST POINT MIL RESERVATION IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14+
PBA@USMA	PBA at USMA	PA						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-01	PXLANDFILL	RFA						
		CS						
		RFI/CMS						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-02	STADIUM LOT A LANDFILL	RFA						
		CS						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-03	STADIUM LOT B LANDFILL	RFA						
		CS						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-04	STADIUM LOT C LANDFILL	RFA						
		CS						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-05	STADIUM LOT D LANDFILL	RFA						
		CS						
		RFI/CMS						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-06	STADIUM LOT E LANDFILL	RFA						
		CS						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						

WEST POINT MIL RESERVATION IRP Schedule

SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14+
WSTPT-07A	STADIUM LOT F LANDFILL	RFA						
		CS						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-09	SKI SLOPE LANDFILL	RFA						
		CS						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-10	POST SCHOOL LANDFILL	RFA						
		CS						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-11	MOTORPOOL LANDFILL	RFA						
		CS						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-11A	MOTORPOOL EAST LANDFILL	RFA						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-15B	HIGH SCHOOL LANDFILL	RFA						
		CS						
		LTM						

WEST POINT MIL RESERVATION IRP Schedule

SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14+
WSTPT-16	ORGANIC COMPOST LOT	RFA						
		CS						
		IRA						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-35A	CAMP BUCKNER LANDFILL	RFA						
		CS						
		RFI/CMS						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-48	BLDG.706 PARKING LOT LANDFILL	RFA						
		LTM						

IRP Costs

Total Funding through FY 2004: $15,396.0 K

Prior Funding

FY	Phase	Site ID	Obligations	FY Total
2005	LTM	WSTPT-01	$4.3 K	$231.4 K
		WSTPT-02	$6.7 K	
		WSTPT-03	$4.3 K	
		WSTPT-04	$16.7 K	
		WSTPT-05	$15.9 K	
		WSTPT-06	$22.4 K	
		WSTPT-07A	$22.4 K	
		WSTPT-09	$34.1 K	
		WSTPT-10	$21.4 K	
		WSTPT-11	$49.8 K	
		WSTPT-11A	$4.3 K	
		WSTPT-15B	$4.3 K	
		WSTPT-16	$4.3 K	
		WSTPT-35A	$6.7 K	
		WSTPT-48	$13.8 K	
2006	LTM	WSTPT-04	$253.0 K	$259.0 K
		WSTPT-11	$6.0 K	
2007	LTM	WSTPT-01	$118.0 K	$403.0 K
		WSTPT-05	$280.0 K	
		WSTPT-07A	$5.0 K	

TOTAL PRIOR FUNDING: $16,289.4 K

Current Requirements

FY	Phase	Site ID	Requirements	FY Total
2008	LTM	PBA@WSTPT	$262.0 K	$1,031.0 K
		WSTPT-01	$769.0 K	

TOTAL CURRENT REQUIREMENTS: $1,031.0 K

TOTAL FUTURE REQUIREMENTS: $3,922.0 K

TOTAL PROGRAM COST: $21,242.4 K

Required Cost-to-Complete

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
PBA@USMA	PBA at USMA	LTM	40	37	37	37	37	37	37			262	Professional Labor Management
												262	**Site Total**
WSTPT-01	PXLANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-02	STADIUM LOT A LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-03	STADIUM LOT B LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-04	STADIUM LOT C LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-05	STADIUM LOT D LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-06	STADIUM LOT E LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-07A	STADIUM LOT F LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-09	SKI SLOPE LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-10	POST SCHOOL LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-11	MOTORPOOL LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-11A	MOTORPOOL EAST LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-15B	HIGH SCHOOL LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-16	ORGANIC COMPOST LOT	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-35A	CAMP BUCKNER LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**
WSTPT-48	BLDG.706 PARKING LOT LANDFILL	LTM									244	244	Monitoring - Groundwater
												244	**Site Total**

Required Cost-to-Complete

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
Totals			40	37	37	37	37	37	37		3660	3922	
												3922	**Site Total**

Programmed Cost-to-Complete

SITE ID	SITE NAME	Phase	Start Date	End Date	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
PBA@USMA	PBA at USMA	LTM	200803	201512	40	37	37	37	37	37	37			262	Professional Labor Management
														262	**Site Total**
WSTPT-01	PXLANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-02	STADIUM LOT A LANDFILL	LTM	200208	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-03	STADIUM LOT B LANDFILL	LTM	200208	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-04	STADIUM LOT C LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-05	STADIUM LOT D LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-06	STADIUM LOT E LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-07A	STADIUM LOT F LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-09	SKI SLOPE LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-10	POST SCHOOL LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-11	MOTORPOOL LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-11A	MOTORPOOL EAST LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-15B	HIGH SCHOOL LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-16	ORGANIC COMPOST LOT	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-35A	CAMP BUCKNER LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**
WSTPT-48	BLDG.706 PARKING LOT LANDFILL	LTM	200109	202906									244	244	Monitoring - Groundwater
														244	**Site Total**

Programmed Cost-to-Complete

SITE ID	SITE NAME	Phase	Start Date	End Date	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
Totals					40	37	37	37	37	37	37		3660	3922	
														3922	**Site Total**

WEST POINT MIL RESERVATION

Army Defense Environmental Restoration Program
Military Munitions Response Program

MMRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/RC Sites: 20/7

Installation Site Types with Future and/or Underway Phases

3 Firing Range
(WSTPT-004-R-02, WSTPT-019-R-01, WSTPT-020-R-01)

2 Small Arms Range
(WSTPT-015-R-01, WSTPT-017-R-01)

8 Unexploded Munitions/Ordnance
(WSTPT-001-R-01, WSTPT-004-R-01, WSTPT-008-R-01, WSTPT-010-R-01, WSTPT-011-R-01, WSTPT-013-R-01, WSTPT-016-R-01, WSTPT-022-R-01)

Most Widespread Contaminants of Concern

Munitions and explosives of concern, Munitions constituents

Media of Concern

Groundwater, Sediment, Soil, Surface Water

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

Site ID	Site Name	Action	Remedy	FY	Cost
N/A					

Total Environmental Restoration, Army (ER,A) Funding

Prior Funding (Includes BRAC funding from FY04 and prior years) $551.2 K

Current Requirements: $96.0 K

Future Requirements: $65,794.0 K

Duration of MMRP

Date of MMRP Inception 200212

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201709/201709

Date of MMRP completion including Long Term Management (LTM): 205209

MMRP Contamination Assessment

Contamination Assessment Overview

In FY03 the Phase 3 Army Range Inventory at the USMA was completed. The inventory identified twelve sites as eligible for the MMRP. The Phase 3 Inventory serves as the Preliminary Assessment under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). In May 2004 a SI began and was completed in January 2007.

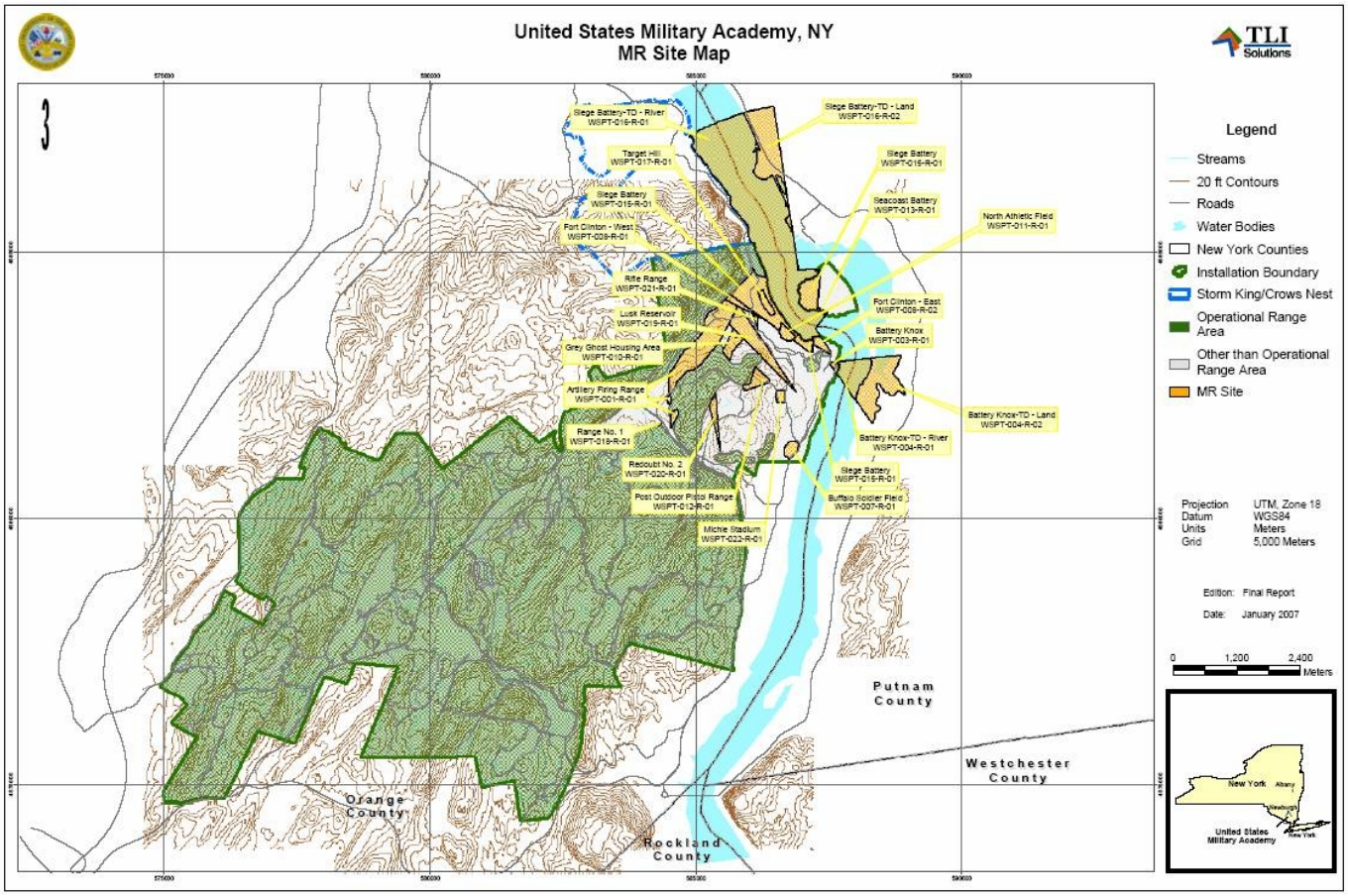
Cleanup Exit Strategy

In FY2010 the RI/FS will be initiated for some of the sites and the remaining sites will be addressed in FY2011.

MMRP Previous Studies

	Title	Author	Date
2003			
	Phase 3 Army Closed, Transferred & Transferred Ranges/Sites Inventory for West Point Military Reservation	Unknown	JAN-2003
2006			
	Final Historical Records Review Report United States Military Academy West Point, New York	TLI Solutions	MAR-2006
	Final Work Plan United States Military Academy West Point, New York	TLI Solutions	APR-2006
2007			
	Final Site Inspection Report United States Military Academy West Point, New York	TLI Solutions	JAN-2007

West Point MRS Location Map



WEST POINT MIL RESERVATION

Military Munitions Response Program

Site Descriptions

Site ID: WSTPT-001-R-01
Site Name: ARTILLERY FIRING RANGE

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	201110	201409
RD	201410	201509
IRA	200709	201009
RA(C)	201510	201709
LTM	202210	205209

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

The Artillery Firing Range consists of 172.4 acres and is comprised of three overlapping former artillery ranges: Sacred Heart Cemetery Range, the Silver Depository Range, and the Adolphs Pond Range. The munitions response (MR) site includes three parcels of land located to the south and west of the main campus. The two northern parcels of the MR site are adjacent to each other and the third is a non-contiguous parcel located to the south. The northeastern portions of the historic artillery ranges extend beyond the installation boundary into the Crows Nest, a Formerly Used Defense Site (FUDS) Area. In addition, a portion of the eastern edges of the Sacred Heart Cemetery Range and the Adolphs Pond Range are located within the Fort Clinton and Siege Battery MR sites and their northeastern corners extend over the Hudson River and make up a portion of the Siege Battery-TD MR site. Portions of the firing fans associated with the Lusk Reservoir and Redoubt No. 2 MR sites are also contained within the Artillery Firing Range MR site. Recovered items from an intrusive investigation of this area conducted during an Engineering Evaluation/Cost Analysis in July 2002, included UXO, OE scrap, and non-OE scrap. Items found included 75mm projectiles, six-inch MK 34 projectiles, 16 inch cannon balls, inert powder train time fuse 1907-M fuses, 75mm High Explosives (HE) and ejection rounds and fuses. An interim UXO removal action on 0.75 acres of this MR site is currently underway.

A separate interim UXO removal action on 25 acres of this MR site is scheduled for FY2009.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a Remedial Design (RD),
- a MEC Site Characterization and Removal Assessment (MEC SC&RA),
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

A 0.75-acre parcel within the site will undergo complete clearance to facilitate clean property transfer. In FY2009 a separate 25 acre area within the site will also undergo UXO clearance.

Site ID: WSTPT-004-R-01
Site Name: BATTERY KNOX-TD-RIVER MRS

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Sediment, Surface Water

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	201110	201409
RD	201410	201504
RA(C)	201510	201709
LTM	202210	205209

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

The Battery Knox-TD-River munitions response site (MRS) encompasses 73 acres on the Hudson River. Battery Knox contained six gun positions and ammunition magazines. The battery was established sometime between 1836 and 1850. In 1874 the battery was redesigned, with modifications made to the armament and the orientation of the guns to improve their defensibility and their ability to cover the river with firepower. By 1892, Battery Knox was armed with one 100-pounder Parrott 6.4-inch caliber rifle, one 300-pounder Parrott 10-inch caliber rifle, one 8-inch converted rifle, and four 10-inch Rodman rifles. Firing from the battery was conducted to the east towards targets that were placed in the Hudson River. The battery was demolished during the WWII era. No previous investigations into the presence of munitions and explosives of concern (MEC) or munitions constituent (MC) within the Hudson River have been conducted.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS (without groundwater monitoring),
- a RD,
- a MC Removal Action,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-004-R-02
Site Name: BATTERY KNOX-TD-LAND MRS

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	201110	201409
RD	201410	201504
RA(C)	201510	201709
LTM	202210	205209

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

The Battery Knox-TD-Land MRS encompasses 141 acres located across the Hudson River on the eastern bank in Putnam County. Battery Knox contained six gun positions and ammunition magazines. The battery was established sometime between 1836 and 1850 and in 1874 it was redesigned with modifications to the armament and the orientation of the guns to improve their defensibility and their ability to cover the river with firepower. By 1892, Battery Knox was armed with one 100-pounder Parrott 6.4-inch caliber rifle, one 300-pounder Parrott 10-inch caliber rifle, one 8-inch converted rifle, and four 10-inch Rodman rifles. Firing from the battery was conducted to the east towards targets that were placed in the Hudson River; however, projectiles that overshot the targets may have impacted the eastern bank of the Hudson River, which encompasses the land portion of the Battery Knox-TD MRS. The battery was demolished during the WWII era. The eastern bank of the Hudson River includes bluffs and low-lying wetlands. During the SI, no evidence of military activities, including MEC, was identified in the Battery Knox-TD-Land MRS nor were any MC identified in the samples at levels above the screening criteria; however, trace amounts of explosives were identified in the samples. Because an explanation for the presence of these trace explosives cannot be determined at this time, the Stakeholders have requested that further investigation of this site be performed, including additional soil sampling and possible geophysical investigation.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MC Removal Action,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-008-R-01
Site Name: FORT CLINTON-WEST

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	200910	201209
RD	201210	201309
RA(C)	201310	201509
LTM	202010	205009

RIP Date: N/A

RC Date: 201509

SITE DESCRIPTION

The Fort Clinton-West is comprised of 14.4 acres and extends from the western side of the West Point cemetery, through the Lee Housing Area, to Highway 218 and the operational range area. Construction of Fort Clinton began on March 12, 1778, on the eastern portion of West Point. The Fort was designed to provide fortification for the chain that was placed across the Hudson River. Practice firings were routinely conducted from the fort, which was equipped with brass 4-pounder, brass mortars, iron 12-pounder, iron 18-pounder, and 75mm guns. Through the 1830s the fort was used for artillery training, with firing conducted to the northwest across the Hudson River. From the mid-1800s until 1927 the fort was used for the practice firing of 75mm guns towards Crows Nest. As of 1927, the site has been a monument and a national historic site. The firing point of Fort Clinton was located on the top of the bluff to the southwest of Gees Point within the Fort Clinton-East MR site. The direction of fire was to the northwest towards the Crows Nest Area. There are no known impact or target areas within the Fort Clinton MR site. The western portion of the Fort Clinton site includes a part of the Lee Housing Area as well as undeveloped, heavily-wooded terrain. The remainder of the historic range fan is included with Siege Battery, Target Hill and the North Athletic Field. A previous geophysical survey conducted in April- 2001 encompassed a portion of the Fort Clinton-West, as well as portions of the Artillery Firing Range and Siege Battery MR sites. Approximately 1,539 subsurface anomalies were identified during this survey. Although it is not known from the previous study how many of these anomalies were located within the Fort Clinton-West MR site, the anomalies are assumed to be present within the site.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-010-R-01
Site Name: GREY GHOST HOUSING AREA

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	201110	201409
RD	201410	201509
RA(C)	201510	201709
LTM	202210	205209

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

The Grey Ghost Housing Area MRS is approximately 24 acres and is located in the central campus, west of the batteries and athletic fields. The area is comprised of a range complex that includes a 1,000-inch machine gun range and a rifle and pistol range. The firing points for the ranges were located at the northern end of the MR site and the direction of fire was towards the southwest. The targets for the ranges were located within the MR site near the base of a steep heavily-wooded hill. Operations conducted at the machine gun range occurred from about 1920 to 1940. During this time, the area was used by cadets for small arms training with a variety of weapon types, including .22 and .30 caliber machine guns. In addition, a rifle range was located in the area as early as 1939. After 1950, the area was developed as a housing complex.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-011-R-01
Site Name: NORTH ATHLETIC FIELD

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	200910	201209
RD	201210	201309
RA(C)	201310	201509
LTM	202010	205009

RIP Date: N/A

RC Date: 201509

SITE DESCRIPTION

The North Athletic Field MRS is comprised of 14 acres and is located just to the southwest of the western shore of the Hudson River, within the central campus area of West Point. Maps from 1903 to 1935 delineate the location of target butts assumed to be associated with a rifle range in this area. The 1935 map delineates the target butts located within the area of the North Athletic Field MR site, as well as a 1,000-yard butt located north of the area along the shore of the Hudson River. Although the location of the firing points for the rifle range is not known, it probably was located in the North Dock area with the direction of firing to the northwest along the shoreline of the Hudson River. In 1937, the Army started the expansion of the North Athletic Field by removing Target Hill so that the dirt could be used to fill out toward the river and create necessary fields. The removal of dirt from Target Hill began in 1944 and was completed in 1945. Approximately 60,000 square yards of level ground were added to the area comprising the North Athletic Field. Because the North Athletic Field was constructed with fill dirt from Target Hill, the area may contain ordnance that was fired into the hill from the early 1800s until the late 1930s. Target Hill served as the impact area for artillery test-fired from the Cold Spring Foundry and heavy guns located in batteries on the north side of West Point. Munitions associated with training at Target Hill include large caliber HE and practice rounds. In addition, there may be ammunition in the area from the former rifle range at the North Athletic Field. The North Athletic Field MR site currently encompasses several athletic fields including the softball field complex, a track, and a football field. The northern edge of the site is bounded by railroad tracks, a road, and the Hudson River.

CLEANUP/EXIT STRATEGY

This site was constructed with fill from another site (Target Hill) that was used for short-range artillery practice. Movement of soil and grading would have likely uncovered UXO. Grading would have evened out any existing contaminant concentrations. As such, the Army prepared a Remedial Action Cost Engineering Requirements (RACER) estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-013-R-01
Site Name: SEACOAST BATTERY

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	200910	201209
RD	201210	201309
RA(C)	201310	201509
LTM	202010	205009

RIP Date: N/A

RC Date: 201509

SITE DESCRIPTION

The Seacoast Battery MRS is comprised of 2 acres of land within the boundaries of West Point on Constitution Island. The location of the Seacoast Battery in the North Dock area and the majority of the range fan are incorporated into the Siege Battery and Siege Battery-TD MR sites. Activities that took place on the installation that are associated with the Seacoast Battery MR site included live firing conducted from the Seacoast Battery toward the bluffs on Constitution Island. Munitions used at the Seacoast Battery included large caliber HE and practice rounds, and mortar rounds. The battery also included two brick buildings that contained instruments for measuring the velocity of projectiles and the recoil of guns. The shots were fired from the battery through parallel line wires at the west end of the battery. West of the battery, a small stone structure set into the hillside was used as a bursting chamber in which explosives were tested. The Seacoast Battery was established sometime between 1836 and 1850 and demolished sometime during WWII. The Seacoast Battery MRS is the land area on Constitution Island where the impact of projectiles may have occurred.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-015-R-01
Site Name: SIEGE BATTERY

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	200910	201209
RD	201210	201309
RA(C)	201310	201509
LTM	202010	205009

RIP Date: N/A

RC Date: 201509

SITE DESCRIPTION

The Siege Battery MRS is comprised of 179.3 acres and includes two non-contiguous areas. The western portion of the site includes land located on the slope of the hill below the Battle Monument, at what is now called Trophy Point, and extends to the northwest. The eastern portion of the site is located on Constitution Island. A portion of the Siege Battery firing fan overlaps the firing fans of the Seacoast Battery, the Rifle Range, the Artillery Firing Range, and Fort Clinton, as well as the location of the firing point of the Seacoast Battery. Activities that took place on the installation that are associated with the Siege Battery included live firing conducted from the Siege Battery and ammunition storage. Target butts for a 1,000-yard Rifle Range were also located within the Siege Battery MR site. During the latter part of the 19th century, the Siege Battery was renamed Battery Schofield and was used for training with Parrott rifles. Various munitions were used at the Siege Battery including a 4½ -inch rifled gun, 30-pounder Parrott guns, 10-inch smooth bore siege mortars, 8-inch smooth bore siege mortars, 5-inch steel breech-loading guns, 7-inch steel breech-loading howitzers, 7-inch steel breech-loading mortars, and 3.2-inch guns. The targets for the guns used at the Siege Battery were on Crows Nest, approximately 2,000 yards distant. Full charges were not used in any of the guns. The targets for the mortars were anchored in the Hudson River. The Siege Battery was constructed sometime between 1836 and 1860. The Siege Battery was not used after 1906 and 1910, when Battery Schofield came into service. A map from 1939 indicates the Siege Battery and Battery Schofield had been replaced by an amphitheatre. No traces of the Siege Battery survive, but the locations of the two six-inch disappearing carriage guns are prominent east of Trophy Point. The Siege Battery and its associated firing fan cover 179 acres within the installation's boundaries. There have not been any documented UXO findings or UXO responses in this area.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MC Removal Action,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-016-R-01
Site Name: SIEGE BATTERY-TD-RIVER

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Sediment, Surface Water

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	200910	201209
RD	201210	201309
RA(C)	201310	201509
LTM	202010	205009

RIP Date: N/A

RC Date: 201509

SITE DESCRIPTION

The Siege Battery-TD-River encompasses 848 acres within the Hudson River. Activities that took place on the installation that are associated with the Siege Battery included live firing conducted from the Siege Battery and ammunition storage. There are no known impact areas within the Siege Battery MR site; however, projectiles that overshot the targets located in the Hudson River may have impacted into the Constitution Island portion of the MR site. In addition, target butts for a 1,000-yard Rifle Range were also located within the Siege Battery MR site. Projectiles that overshot the targets located in the river may have impacted the shore of the Hudson River to the north of the Village of Cold Spring. During the latter part of the 19th century, the Siege Battery was renamed Battery Schofield and was used for training with Parrott rifles. Various munitions were used at the Siege Battery including a 4½ -inch rifled gun, 30-pounder Parrott guns, 10-inch smooth bore siege mortars, 8-inch smooth bore siege mortars, 5-inch steel breech-loading guns, 7-inch steel breech-loading howitzers, 7-inch steel breech-loading mortars, and 3.2-inch guns. The targets for the guns used at the Siege Battery were on Crows Nest, approximately 2,000 yards distant. Full charges were not used in any of the guns. The targets for the mortars were anchored in the Hudson River. Use of the Siege Battery ended between 1906 and 1910, when Battery Schofield came into service. A map from 1939 indicates the Siege Battery and Battery Schofield had been replaced by an amphitheatre. No previous investigations into the presence of MEC or MC within the Hudson River have been conducted.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS (without groundwater monitoring),
- a RD,
- a MC Removal Action,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-017-R-01
Site Name: TARGET HILL

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	201110	201409
RD	201410	201509
RA(C)	201510	201709
LTM	202210	205209

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

The Target Hill MRS is comprised of 14 acres of land located within the West Point campus area north of the athletic fields, near the western bank of the Hudson River. It is bounded on the east by the West Shore Railroad and the Hudson River. This site is surrounded by the Siege Battery and overlaps both the range fans for the Siege Battery and Fort Clinton. Artillery firing toward Target Hill may have begun as early as the War of 1812 with rounds being fired into the hill from the Cold Spring Foundry located across the Hudson River. By 1890, the hill was used as target practice for batteries located along the north side of the installation. Target Hill continued to be used by West Point cadets for short-range artillery training as an impact area until the late 1930s. Munitions associated with training at Target Hill include large caliber HE and practice rounds. In 1903, 1,000 yard target butts were identified on Target Hill. The firing point associated with these butts was located on Target Flats in the area of the North Athletic Field. Between 1944 and 1945, dirt was removed from Target Hill to level approximately 60,000 square yards of the North Athletic Field. This resulted in the removal of the impact area known as Target Hill. Construction of a new Rugby Center is currently underway on the northern portion of the Target Hill MR Site. The southern portion of the site has been developed with soccer fields. The eastern edge of the site is bordered by a road, railroad tracks, and the Hudson River.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-019-R-01
Site Name: LUSK RESERVOIR

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	201110	201409
RD	201410	201504
RA(C)	201510	201709
LTM	202210	205209

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

Lusk Reservoir occupies approximately 83 acres in the central portion of the West Point campus. The firing point is located on the east side of Lusk Reservoir. Between 1909 and 1916 firing was in the direction of Crows Nest. There are no known impact areas within the Lusk Reservoir MR site. The firing in 1915 and 1916 was described as sub-caliber and service target practice. Weapons used at Lusk Reservoir are probably similar to those identified for use at the Artillery Firing Range and might include 2.95-inch Mountain Howitzers, 75mm gun M1897, 75mm gun M1907, 6-inch high capacity gun, 15-inch mortar, and 16-inch mortar. The majority of the land within the Lusk Reservoir MR site is undeveloped and includes steep, heavily-wooded terrain. The western end of the site has been developed and includes a portion of the Grey Ghost Housing Area and West Point Elementary School. An anomaly investigation and UXO removal was conducted in 2001 and at that time three ordnance or ordnance-related items were identified at the site within the northwest corner of this MRS.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-020-R-01
Site Name: REDOUBT NO. 2

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	200910	201209
RD	201210	201309
RA(C)	201310	201509
LTM	202010	205009

RIP Date: N/A

RC Date: 201509

SITE DESCRIPTION

Redoubt No. 2 occupies approximately 20 acres east of the intersection of Highways 218 and 9W and west of Dassori Pond. The firing point is located in the vicinity of historic Redoubt No. 2 and the fan extends to the north to encompass land not addressed by other closed ranges or operational range areas. The range was used from about 1909 to 1916. In 1915 and 1916 field artillery target practice with service ammunition was fired at targets on Crows Nest from a position near Redoubt No. 2. The direction of fire was to the north. There are no known impact areas within the Redoubt No. 2 MR site. Weapons used at Redoubt No. 2 are assumed to be similar to those identified for use at the Artillery Firing Range and might include 2.95-inch Mountain Howitzers, 75mm gun M1897, 75mm gun M1907, 6-inch high capacity gun, 15-inch mortar, and 16-inch mortar. The Redoubt No. 2 MR site is primarily undeveloped and encompasses steep, heavily-wooded terrain. Several roads cross the site and a few buildings are spaced intermittently throughout. The firing point of the range is located south of the Stony Lonesome Housing Area and adjacent to the historic Redoubt No. 2, which is a cultural site. As a result of the geophysical survey, numerous subsurface anomalies were identified at this MRS; however, no MEC or munitions debris was identified during the site inspection visual survey. Therefore, the recommendation was made that further investigation of the anomalies be conducted at this site to determine if they are related to military munitions.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Site ID: WSTPT-022-R-01
Site Name: MICHIE STADIUM

STATUS

Regulatory Driver: CERCLA

MRSPP Score: Evaluation pending

Contaminants of Concern: Munitions and explosives of concern, Munitions constituents

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	200212	200308
SI	200405	200701
RI/FS	201110	201409
RD	201410	201509
RA(C)	201510	201709
LTM	202210	205209

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

The Michie Stadium site occupies approximately 9.4 acres in and around Michie Stadium, which is located near the center of the Main Post and to the west of Lusk Reservoir. The stadium was constructed in 1924. The area surrounding Michie Stadium includes several athletic complexes including the Holleder Center, Howze Field, the Kimsey Athletic Center, and Randall Hall. During two separate construction projects completed around the stadium in 2001 and 2003, fourteen Stokes mortar rounds were identified and disposed of by an EOD unit or the Range Control Office at West Point. During 2001 a seismic upgrade was completed at the west stands of Michie Stadium. This project including adding pilings to the west stands to make them more stable. During this project, five 3-inch MI1 Stokes mortar rounds were found in the area. In September 2003 Randall Hall was constructed between the west stands of Michie Stadium and the Kimsey Athletic Center beginning. During this construction nine additional 3-inch MK1 Stokes mortar rounds round were found. Although several Stokes mortar rounds have been identified in the area around Michie Stadium, when or how the items were brought to the site is unknown. Stokes mortars were used by the Army during World War I until just before the beginning of WWII. The mortar rounds found near Michie Stadium do not appear to have been fired; therefore they are assumed to be discarded military munitions. They might have been discarded following training activities that might have occurred in the area or they may have been brought to the site in the fill dirt that was used during the construction of the stadium and surrounding structures. The Michie Stadium MR site has been extensively developed with athletic facilities, parking lots, and roads. A small area along the northern edge of the site includes wooded, hilly terrain.

CLEANUP/EXIT STRATEGY

In January 2007 the SI was completed. The Army prepared a RACER estimate to address potential RAs needed following the completion of the SI. The estimate assumes the following MC/MEC actions will be completed:
- a RI/FS,
- a RD,
- a MEC SC&RA,
- a MEC Removal Action,
- MEC Institutional Controls, and
- MEC Monitoring.

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
WSTPT-003-R-01	BATTERY KNOX	200706	Based on the Final SI dated January 2007, this site was found to have no contamination.
WSTPT-007-R-01	BUFFALO SOLDIER FIELD	200706	Based on the Final SI dated January 2007, this site was found to have no contamination.
WSTPT-008-R-02	FORT CLINTON-EAST	200706	Based on the Final SI dated January 2007, this site was found to have no contamination.
WSTPT-012-R-01	POST OUTDOOR PISTOL RANGE	200706	Based on the Final SI dated January 2007, this site was found to have no contamination.
WSTPT-016-R-02	Siege Battery-TD-Land	200706	Based on the Final SI dated January 2007, this site was found to have no contamination.
WSTPT-018-R-01	RANGE NO. 1	200706	Based on the Final SI dated January 2007, this site was found to have no contamination.
WSTPT-021-R-01	Rifle Range	200706	Based on the Final SI dated January 2007, this site was found to have no contamination.

MMRP Schedule

Date of MMRP Inception: 200212

Past Phase Completion Milestones

2003

PA (WSTPT-001-R-01 - ARTILLERY FIRING RANGE, WSTPT-003-R-01 - BATTERY KNOX, WSTPT-004-R-01 - BATTERY KNOX-TD-RIVER MRS, WSTPT-004-R-02 - BATTERY KNOX-TD-LAND MRS, WSTPT-007-R-01 - BUFFALO SOLDIER FIELD, WSTPT-008-R-01 - FORT CLINTON-WEST, WSTPT-008-R-02 - FORT CLINTON-EAST, WSTPT-010-R-01 - GREY GHOST HOUSING AREA, WSTPT-011-R-01 - NORTH ATHLETIC FIELD, WSTPT-012-R-01 - POST OUTDOOR PISTOL RANGE, WSTPT-013-R-01 - SEACOAST BATTERY, WSTPT-015-R-01 - SIEGE BATTERY, WSTPT-016-R-01 - SIEGE BATTERY-TD-RIVER, WSTPT-016-R-02 - Siege Battery-TD-Land, WSTPT-017-R-01 - TARGET HILL, WSTPT-018-R-01 - RANGE NO. 1, WSTPT-019-R-01 - LUSK RESERVOIR, WSTPT-020-R-01 - REDOUBT NO. 2, WSTPT-021-R-01 - Rifle Range, WSTPT-022-R-01 - MICHIE STADIUM)

2007

SI (WSTPT-001-R-01 - ARTILLERY FIRING RANGE, WSTPT-003-R-01 - BATTERY KNOX, WSTPT-004-R-01 - BATTERY KNOX-TD-RIVER MRS, WSTPT-004-R-02 - BATTERY KNOX-TD-LAND MRS, WSTPT-007-R-01 - BUFFALO SOLDIER FIELD, WSTPT-008-R-01 - FORT CLINTON-WEST, WSTPT-008-R-02 - FORT CLINTON-EAST, WSTPT-010-R-01 - GREY GHOST HOUSING AREA, WSTPT-011-R-01 - NORTH ATHLETIC FIELD, WSTPT-012-R-01 - POST OUTDOOR PISTOL RANGE, WSTPT-013-R-01 - SEACOAST BATTERY, WSTPT-015-R-01 - SIEGE BATTERY, WSTPT-016-R-01 - SIEGE BATTERY-TD-RIVER, WSTPT-016-R-02 - Siege Battery-TD-Land, WSTPT-017-R-01 - TARGET HILL, WSTPT-018-R-01 - RANGE NO. 1, WSTPT-019-R-01 - LUSK RESERVOIR, WSTPT-020-R-01 - REDOUBT NO. 2, WSTPT-021-R-01 - Rifle Range, WSTPT-022-R-01 - MICHIE STADIUM)

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: 201709

NPL Deletion Date: N/A

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of MMRP at Installation (including LTM phase): 205209

WEST POINT MIL RESERVATION MMRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14+
WSTPT-001-R-01	ARTILLERY FIRING RANGE	PA						
		SI						
		RI/FS						
		RD						
		IRA						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-004-R-01	BATTERY KNOX-TD-RIVER MRS	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-004-R-02	BATTERY KNOX-TD-LAND MRS	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-008-R-01	FORT CLINTON-WEST	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-010-R-01	GREY GHOST HOUSING AREA	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						

WEST POINT MIL RESERVATION MMRP Schedule

SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14+
WSTPT-011-R-01	NORTH ATHLETIC FIELD	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-013-R-01	SEACOAST BATTERY	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-015-R-01	SIEGE BATTERY	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-016-R-01	SIEGE BATTERY-TD-RIVER	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-017-R-01	TARGET HILL	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-019-R-01	LUSK RESERVOIR	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						

WEST POINT MIL RESERVATION MMRP Schedule

SITE ID	SITE NAME	PHASE	FY09	FY10	FY11	FY12	FY13	FY14+
WSTPT-020-R-01	REDOUBT NO. 2	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						
SITE ID	**SITE NAME**	**PHASE**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14+**
WSTPT-022-R-01	MICHIE STADIUM	PA						
		SI						
		RI/FS						
		RD						
		RA(C)						
		LTM						

MMRP Costs

Total Funding through FY 2004: $72.0 K

Prior Funding

FY	Phase	Site ID	Obligations	FY Total
2005	SI	ALL SITES	$432.7 K	$432.7 K
2006	SI	WSTPT-001-R-01	$6.0 K	$42.0 K
		WSTPT-003-R-01	$6.0 K	
		WSTPT-008-R-01	$6.0 K	
		WSTPT-011-R-01	$6.0 K	
		WSTPT-012-R-01	$6.0 K	
		WSTPT-015-R-01	$6.0 K	
		WSTPT-017-R-01	$6.0 K	
2007	SI	WSTPT-001-R-01	$.3 K	$4.5 K
		WSTPT-003-R-01	$.3 K	
		WSTPT-004-R-01	$.3 K	
		WSTPT-008-R-01	$.3 K	
		WSTPT-010-R-01	$.3 K	
		WSTPT-011-R-01	$.3 K	
		WSTPT-012-R-01	$.3 K	
		WSTPT-013-R-01	$.3 K	
		WSTPT-015-R-01	$.3 K	
		WSTPT-016-R-01	$.3 K	
		WSTPT-017-R-01	$.3 K	
		WSTPT-018-R-01	$.3 K	
		WSTPT-019-R-01	$.3 K	
		WSTPT-020-R-01	$.3 K	
		WSTPT-021-R-01	$.3 K	

TOTAL PRIOR FUNDING: $551.2 K

Current Requirements

FY	Phase	Site ID	Requirements	FY Total
2008	IRA	WSTPT-001-R-01	$96.0 K	$96.0 K

TOTAL CURRENT REQUIREMENTS: $96.0 K

TOTAL FUTURE REQUIREMENTS: $65,794.0 K

TOTAL PROGRAM COST: $66,441.2 K

Required Cost-to-Complete

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-001-R-01	ARTILLERY FIRING RANGE	RI/FS				2144						2144	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD							50			50	Remedial Design
		IRA	1659									1659	MEC Removal Action
		RA(C)									4171	4171	MEC Institutional Controls; MEC Removal Action
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												8654	**Site Total**
WSTPT-004-R-01	BATTERY KNOX-TD-RIVER MRS	RI/FS				1745						1745	Feasibility Study; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD							50			50	Remedial Design
		RA(C)									1999	1999	Excavation, No Sidewall Protection; MEC Institutional Controls; MEC Removal Action; Off-site Transport & Waste Disposal, Hazardous, Solid
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												4424	**Site Total**

Required Cost-to-Complete

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-004-R-02	BATTERY KNOX-TD-LAND MRS	RI/FS				2054						2054	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD							100			100	Remedial Design
		RA(C)									3982	3982	Excavation, No Sidewall Protection; MEC Institutional Controls; MEC Removal Action; Off-site Transport & Waste Disposal, Hazardous, Solid
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												6766	**Site Total**
WSTPT-008-R-01	FORT CLINTON-WEST	RI/FS		1800								1800	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD					50					50	Remedial Design
		RA(C)						536				536	MEC Institutional Controls; MEC Removal Action
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												3016	**Site Total**

Required Cost-to-Complete

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-010-R-01	GREY GHOST HOUSING AREA	RI/FS				1831						1831	Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation; Feasibility Study
		RD							50			50	Remedial Design
		RA(C)									705	705	MEC Institutional Controls; MEC Removal Action
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												3216	**Site Total**
WSTPT-011-R-01	NORTH ATHLETIC FIELD	RI/FS		1776								1776	Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation; Feasibility Study
		RD					50					50	Remedial Design
		RA(C)						503				503	MEC Institutional Controls; MEC Removal Action
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												2959	**Site Total**
WSTPT-013-R-01	SEACOAST BATTERY	RI/FS		1654								1654	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD					50					50	Remedial Design
		RA(C)						305				305	MEC Institutional Controls; MEC Removal Action
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												2639	**Site Total**

Required Cost-to-Complete

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-015-R-01	SIEGE BATTERY	RI/FS		2131								2131	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD					134					134	Remedial Design
		RA(C)						5378				5378	Excavation, No Sidewall Protection; MEC Institutional Controls; MEC Removal Action; Off-site Transport & Waste Disposal, Hazardous, Solid
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												8273	**Site Total**
WSTPT-016-R-01	SIEGE BATTERY-TD-RIVER	RI/FS		2485								2485	Feasibility Study; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD					221					221	Remedial Design
		RA(C)						8843				8843	Excavation, No Sidewall Protection; MEC Institutional Controls; MEC Removal Action; Off-site Transport & Waste Disposal, Hazardous, Solid
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												12179	**Site Total**

Required Cost-to-Complete

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-017-R-01	TARGET HILL	RI/FS				1776						1776	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD							50			50	Remedial Design
		RA(C)									503	503	MEC Institutional Controls; MEC Removal Action
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												2959	**Site Total**
WSTPT-019-R-01	LUSK RESERVOIR	RI/FS				1991						1991	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD							50			50	Remedial Design
		RA(C)									2085	2085	MEC Institutional Controls; MEC Removal Action
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												4756	**Site Total**
WSTPT-020-R-01	REDOUBT NO. 2	RI/FS		1779								1779	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD					50					50	Remedial Design
		RA(C)						639				639	MEC Institutional Controls; MEC Removal Action
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												3098	**Site Total**

Required Cost-to-Complete

SITE ID	SITE NAME	Phase	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-022-R-01	MICHIE STADIUM	RI/FS				1741						1741	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD							50			50	Remedial Design
		RA(C)									434	434	MEC Institutional Controls; MEC Removal Action
		LTM									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
												2855	**Site Total**
Totals			1659	11625		13282	555	16204	400		22069	65794	
												65794	**Site Total**

Programmed Cost-to-Complete

SITE ID	SITE NAME	Phase	Start Date	End Date	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-001-R-01	ARTILLERY FIRING RANGE	RI/FS	201110	201409				2144						2144	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201410	201509							50			50	Remedial Design
		IRA	200709	201009	1659									1659	MEC Removal Action
		RA(C)	201510	201709									4171	4171	MEC Institutional Controls; MEC Removal Action
		LTM	202210	205209									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														8654	**Site Total**
WSTPT-004-R-01	BATTERY KNOX-TD-RIVER MRS	RI/FS	201110	201409				1745						1745	Feasibility Study; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201410	201504							50			50	Remedial Design
		RA(C)	201510	201709									1999	1999	Excavation, No Sidewall Protection; MEC Institutional Controls; MEC Removal Action; Off-site Transport & Waste Disposal, Hazardous, Solid
		LTM	202210	205209									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														4424	**Site Total**

Programmed Cost-to-Complete

SITE ID	SITE NAME	Phase	Start Date	End Date	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-004-R-02	BATTERY KNOX-TD-LAND MRS	RI/FS	201110	201409				2054						2054	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201410	201504							100			100	Remedial Design
		RA(C)	201510	201709									3982	3982	Excavation, No Sidewall Protection; MEC Institutional Controls; MEC Removal Action; Off-site Transport & Waste Disposal, Hazardous, Solid
		LTM	202210	205209									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														6766	**Site Total**
WSTPT-008-R-01	FORT CLINTON-WEST	RI/FS	200910	201209		183		1617						1800	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201210	201309					50					50	Remedial Design
		RA(C)	201310	201509						536				536	MEC Institutional Controls; MEC Removal Action
		LTM	202010	205009									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														3016	**Site Total**

Programmed Cost-to-Complete

SITE ID	SITE NAME	Phase	Start Date	End Date	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-010-R-01	GREY GHOST HOUSING AREA	RI/FS	201110	201409				1831						1831	Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation; Feasibility Study
		RD	201410	201509							50			50	Remedial Design
		RA(C)	201510	201709									705	705	MEC Institutional Controls; MEC Removal Action
		LTM	202210	205209									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														3216	**Site Total**
WSTPT-011-R-01	NORTH ATHLETIC FIELD	RI/FS	200910	201209		175		1601						1776	Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation; Feasibility Study
		RD	201210	201309					50					50	Remedial Design
		RA(C)	201310	201509						503				503	MEC Institutional Controls; MEC Removal Action
		LTM	202010	205009									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														2959	**Site Total**

Programmed Cost-to-Complete

SITE ID	SITE NAME	Phase	Start Date	End Date	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-013-R-01	SEACOAST BATTERY	RI/FS	200910	201209		173		1481						1654	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201210	201309					50					50	Remedial Design
		RA(C)	201310	201509						305				305	MEC Institutional Controls; MEC Removal Action
		LTM	202010	205009									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														2639	**Site Total**
WSTPT-015-R-01	SIEGE BATTERY	RI/FS	200910	201209		392		1739						2131	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201210	201309					134					134	Remedial Design
		RA(C)	201310	201509						5378				5378	Excavation, No Sidewall Protection; MEC Institutional Controls; MEC Removal Action; Off-site Transport & Waste Disposal, Hazardous, Solid
		LTM	202010	205009									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														8273	**Site Total**

Programmed Cost-to-Complete

SITE ID	SITE NAME	Phase	Start Date	End Date	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-016-R-01	SIEGE BATTERY-TD-RIVER	RI/FS	200910	201209		255		2230						2485	Feasibility Study; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201210	201309					221					221	Remedial Design
		RA(C)	201310	201509						8843				8843	Excavation, No Sidewall Protection; MEC Institutional Controls; MEC Removal Action; Off-site Transport & Waste Disposal, Hazardous, Solid
		LTM	202010	205009									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														12179	**Site Total**
WSTPT-017-R-01	TARGET HILL	RI/FS	201110	201409				1776						1776	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201410	201509							50			50	Remedial Design
		RA(C)	201510	201709									503	503	MEC Institutional Controls; MEC Removal Action
		LTM	202210	205209									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														2959	**Site Total**

Programmed Cost-to-Complete

SITE ID	SITE NAME	Phase	Start Date	End Date	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-019-R-01	LUSK RESERVOIR	RI/FS	201110	201409				1991						1991	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201410	201504							50			50	Remedial Design
		RA(C)	201510	201709									2085	2085	MEC Institutional Controls; MEC Removal Action
		LTM	202210	205209									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														4756	**Site Total**
WSTPT-020-R-01	REDOUBT NO. 2	RI/FS	200910	201209		176		1603						1779	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201210	201309					50					50	Remedial Design
		RA(C)	201310	201509						639				639	MEC Institutional Controls; MEC Removal Action
		LTM	202010	205009									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														3098	**Site Total**

Programmed Cost-to-Complete

SITE ID	SITE NAME	Phase	Start Date	End Date	FY09	FY10	FY11	FY12	FY13	FY14	FY15		Out Yrs	Total	Description of Work
WSTPT-022-R-01	MICHIE STADIUM	RI/FS	201110	201409				1741						1741	Feasibility Study; Groundwater Monitoring Well, Unconsolidated; MEC Site Characterization Removal Assessment; Remedial Investigation
		RD	201410	201509							50			50	Remedial Design
		RA(C)	201510	201709									434	434	MEC Institutional Controls; MEC Removal Action
		LTM	202210	205209									630	630	MEC Monitoring, 2 Events; MEC Monitoring, 2 Events; MEC Monitoring, 2 Events
														2855	**Site Total**
Totals					1659	1354		23553	555	16204	400		22069	65794	
														65794	**Site Total**

Community Involvement

Technical Review Committee (TRC): None

Restoration Advisory Board (RAB): No

Reason Not Established: Lack of outstanding cleanup issues or activities does not warrant establishment of a RAB.

Community Involvement Plan (Date Published):

Additional Community Involvement Information

The USMA has a relatively small installation restoration program without significant issues that would warrant the establishment of a RAB. The West Point community consists of approximately 10,000 military personnel and their family members, civilian personnel, and cadets. The Town of Highlands, which adjoins West Point to the south, has a population of 13,600.

During the investigation phase of an off-post landfill on the Village of Highland Falls property, initial communication led to a A project briefing to the school board concerning the impact on O'Neill High School. The presentation offered the reasons for performing the investigation, described the field techniques and addressed the school board members' questions and concerns. The presentation was well received and established an excellent working relationship with the school board. Notification to the school board of subsequent remedial activities was provided through telephone calls, information papers and informal meetings.

A Community Relations Council has been formalized where any future planned remedial actions can be presented. The Engineering/Public Works Subcommittee of the Community Relations Council is chaired by the USMA Director of Public Works and consists of local village and town officials, the town historian and interested citizens. This committee provides the ideal forum for representing planned remedial activities which could affect the community.

On post, West Point has established residential Mayor's Meetings. Each residential area has an elected mayor who represents that community's interest and conveys its concerns to the local command. These community meetings also provide an excellent forum for presenting and discussing future remedial activities that may affect the local community.

The availability of these two operating public forums and the limited remedial actions planned at the USMA limit the need to establish a RAB at West Point.

Administrative Record is located at

Environmental Management Division of USMA.
United States Army Garrison West Point
ATTN: IMNE-MIL-PWE-M
667A Ruger Road
West Point, New York 10996-1592
(845) 938-5041
Fax: 4588
DSN: 688

Information Repository is located at

West Point Community Library
622 Swift Road
West Point, New York 10996-1592

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

TAPP Title: N/A

Potential TAPP: N/A