

FY2013

SIEVERS-SANDBERG USARC
Army Defense Environmental Restoration Program
Installation Action Plan

Printed 24 January 2013

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Statement of Purpose

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

In an effort to coordinate planning information between the restoration manager, the 99th Regional Services Command (RSC), the US Army Environmental Command (USAEC), the Installation Management Command-Army Reserve Directorate (IMCOM-ARD), the executing agencies, regulatory agencies, and the public, an IAP was completed. The IAP is used to track requirements, schedules, and budgets for all major Army installation cleanup programs.

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

Acronyms

AEDB-CC	Army Environmental Database - Compliance-related Cleanup
AEDB-R	Army Environmental Database - Restoration
AOC	Area of Concern
BRAC	Base Realignment and Closure
CC	Compliance-related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CR	Compliance Restoration
DD	Decision Document
DERP	Defense Environmental Restoration Program
EBS	Environmental Baseline Survey
EPA	Environmental Protection Agency
FRA	Final Remedial Actions
FS	Feasibility Study
FY	Fiscal Year
GW	Groundwater
HHRA	Human Health Risk Assessment
IAP	Installation Action Plan
IMCOM-ARD	Installation Management Command-Army Reserve Directorate
IR	Installation Restoration
IRA	Interim Remedial Actions
IRP	Installation Restoration Program
LTM	Long Term Management
MMRP	Military Munitions Response Program
MR	Munitions Response
NFA	No Further Action
NJ	New Jersey
NPL	National Priorities List
ODUSD (I&E)	Office of the Deputy Under Secretary of Defense (Installations & Environment)
RA	Remedial Action
RA(C)	Remedial Action - Construction
RAB	Restoration Advisory Board
RC	Response Complete
RI/FS	Remedial Investigation / Feasibility Study
RIP	Remedy in Place
ROD	Record of Decision
RSC	Regional Services Command
SI	Site Inspection
TAPP	Technical Assistance for Public Participation
TBD	To Be Determined
TRC	Technical Review Committee
US	United States
USACHPPM	United States Army Center for Health Promotion and Preventive Medicine
USAEC	United States Army Environmental Command
USARC	United States Army Reserve Command
USEPA	United States Environmental Protection Agency

VOC Volatile Organic Compound

Installation Information

Installation Locale

Installation Size (Acreage): 40

City: Pedricktown

County: Salem

State: NJ

Other Locale Information

This property has been used by the US federal government since 1918. Over the years the property has been used as a support depot for the port of Philadelphia, ammunition storage, Nike Missile Master Command center, and general training for the Army. The site is currently unused and unoccupied.

Installation Mission

While not currently used, the installation most recently served as a reserve training center for multiple reserve units through classroom training.

Lead Organization

Lead Executing Agencies for Installation

USAEC

Regulator Participation

National Priorities List (NPL) Status

SIEVERS-SANDBERG USARC is not on the NPL

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

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

Installation Program Summaries

CR

Primary Contaminants of Concern: Metals, Volatiles (VOC)

Affected Media of Concern: Groundwater, Soil

5-Year / Periodic Review Summary

5-Year / Periodic Review Summary

Status	Start Date	End Date	End FY
Planned	201808	201808	2018

5-Year / Periodic Review Details

Associated ROD/DD Name	Sites
Decision Document for Soil and gw	CC Site 03

Land Use Control (LUC) Summary

LUC Title: LUC for Soil

Site(s): CC Site 03

ROD/DD Title: Decision Document for Soil and gw

Location of LUC

MEtals in soil behind and inbetween buildings 434 and 464.

Land Use Restriction: Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

Types of Engineering Controls: None

Types of Institutional Controls: Restrictions on land use

Date in Place: 201309

Modification Date: N/A

Date Terminated: N/A

Inspecting Organization: Installation

Record of LUC: Master Plan or Equivalent

Documentation Date: N/A

LUC Enforcement: 5 Year Reviews

Contaminants: METALS

Additional Information

N/A

Cleanup Program Summary

Installation Historic Activity

This property has been used by the US federal government since 1918. Over the years the property has been used as a support depot for the port of Philadelphia, ammunition manufacturing and storage, housing for military personnel, Nike Missile Master Command center, storage for dredge material, and general training for the Army. The site is currently unused and unoccupied.

Installation Program Cleanup Progress

CR

Prior Year Progress: A Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) DD is being conducted during fiscal year (FY) 2012.

Future Plan of Action: A land use control (LUC) will be instituted as the remedial action (RA).

SIEVERS-SANDBERG USARC
Army Defense Environmental Restoration Program
Compliance Restoration

CR Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count: 1/0

Installation Site Types with Future and/or Underway Phases

1 Contaminated Ground Water
(CC Site 03)

Most Widespread Contaminants of Concern

Metals, Volatiles (VOC)

Media of Concern

Groundwater, Soil

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

Site ID	Site Name	Action	Remedy	FY
CC Site 03	Lead and Arsenic in Soil and	FRA	INSTITUTIONAL CONTROLS	2013

Duration of CR

Date of CR Inception: 200301

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201212/201212

Date of CR completion including Long Term Management (LTM): 204212

CR Contamination Assessment

Contamination Assessment Overview

Soil and groundwater have been impacted by metals.

Cleanup Exit Strategy

LUCs are the proposed remedy.

CR Previous Studies

	Title	Author	Date
1991	Preliminary Site Assessment	RMC Environmental Services	APR-1991
1993	Ground Penetrating Radar (GPR) Survey	Versar	AUG-1993
1997	Environmental Baseline Survey	Woodward-Clyde	MAR-1997
	Underground Storage Tank System Closure	Earth Tech	AUG-1997
	Underground Storage Tank System Closure	Earth Tech	OCT-1997
	Results of GPR Surveys and Exploratory Excavations	Earth Tech	NOV-1997
2002	Remedial Action Report for Soil	ARCADIS	MAR-2002
2003	Environmental Baseline Survey	URS	JAN-2003
2005	Site Investigation of Specific Areas of Potential Environmental Concern	Kemron	JAN-2005
2006	Site Inspection Addendum	CHPPM	JUN-2006
2007	Continued Site Investigation	USACHPPM	APR-2007
2008	Risk Assessment	USACHPPM	JAN-2008
	Human Health Risk Assessment	CHPPM	MAY-2008

SIEVERS-SANDBERG USARC

Compliance Restoration

Site Descriptions

Site ID: CC Site 03
Site Name: Lead and Arsenic in Soil and

STATUS

Regulatory Driver: CERCLA
Contaminants of Concern: Metals, Volatiles (VOC)
Media of Concern: Groundwater, Soil

Phases	Start	End
PA.....	200301.....	200304
SI.....	200501.....	200601
RI/FS.....	200803.....	201211
RA(C).....	201210.....	201212
LTM.....	201212.....	204212

RIP Date: N/A
RC Date: 201212

SITE DESCRIPTION

Sievers Sandberg US Army Reserve Command (USARC) (also known as Camp Pedricktown Reserve Enclave) was once part of the larger installation, Camp Pedricktown. As a result of Base Realignment and Closure (BRAC) 1995, 47 acres of land were disposed of through the BRAC process, which left 40 acres to be retained by the US Army Reserves (present day Siever Sandberg USARC property).

In preparation for the 1995 BRAC property disposal, a number of environmental studies were initiated and many AOCs were identified on both the BRAC and non BRAC properties. In 2003, an additional environmental baseline survey (EBS) was performed solely on the Reserve portion and several AOCs were confirmed.

Soil and groundwater sampling occurred in 2005 in a site inspection (SI) (Kemron, 2005) and arsenic in soil and metals and volatile organic compounds (VOC) in groundwater were identified. An SI addendum occurred in which the nature and extent of the soil and groundwater contamination were documented (Kemron, 2006).

The results of the human health risk assessment (HHRA) showed that the total carcinogenic risk levels identified in soil for future adult residents and industrial and construction workers were found to be within the levels considered safe by the US Environmental Protection Agency (USEPA) at the site [(US Army Center for Health Promotion and Preventive Medicine (USACHPPM), 2008)]. This indicates that exposure to soil does not pose a health risk to future adult residents and industrial and construction workers, but it could pose a potential risk to the future child resident at the site. Most of the total risk is due to arsenic, which has been identified in a previous report to be associated with gravel material containing coal slag used to pave the roads near the warehousing area (USACHPPM, 2006).

The total carcinogenic risk levels in groundwater for future site residents and industrial workers were found to be within the levels considered safe by the USEPA. This indicates that exposure to this groundwater does not pose a health risk to future residents (adult and child) and industrial workers at the site.

A CERCLA DD is currently being drafted and expected to be signed in October 2012. The proposed RA is LUCs for soil. A land use control implementation plan is being initiated in Fall 2012. The site is being marketed for disposal within two years, however should transfer not occur, five-year reviews for 30 years has been estimated.

CLEANUP/EXIT STRATEGY

A CERCLA DD is currently being drafted and expected to be finished in May 2012. The proposed RA is LUCs for soil.

The site is being marketed for disposal within two years; however, should transfer not occur, five-year reviews will occur for 30 years.

Site Closeout (No Further Action) Summary

Site ID

Site Name

NFA Date

Documentation

There are no NFA sites

CR Schedule

Date of CR Inception: 200301

Past Phase Completion Milestones

2003

PA (CC Site 03 - Lead and Arsenic in Soil and)

2006

SI (CC Site 03 - Lead and Arsenic in Soil and)

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
CC Site 03	Lead and Arsenic in Soil and	Decision Document for Soil and gw	20130801

Final RA(C) Completion Date: 201212

Schedule for Next Five-Year Review: 2018

Estimated Completion Date of CR at Installation (including LTM phase): 204212

SIEVERS-SANDBERG USARC CR Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY14	FY15	FY16	FY17	FY18	FY19+
CC Site 03	Lead and Arsenic in Soil and	LTM						

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): TBD

Restoration Advisory Board (RAB): No

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

Community Interest Solicited on: 201207

Efforts Taken to Determine Interest

The installation was acquired by the 99th RSC in FY11 after the completion of a remedial investigation. The 99th RSC was not made aware of any interest in a RAB during the remedial investigation. The 99th RSC is in the process of completing the CERCLA proposed plan and DD. These documents will go out for public review and an administration file will be established and announced with a public notice. If there are public responses, solicitation for a new RAB will be initiated.

Results

The 99th RSC was not made aware of any interest in a RAB.

Follow-up Procedures

The proposed plan will be submitted for public review during the summer of 2012. If there are public responses, solicitation for a RAB will be initiated.

Additional Community Involvement Information

N/A

Administrative Record is located at

5321 South Scott Plaza
Ft Dix, NJ, 08640

Information Repository is located at

5321 South Scott Plaza
Ft Dix, NJ, 08640

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

TAPP Title: N/A

Potential TAPP: N/A

