

FY2015

USARC LODI

Army Defense Environmental Restoration Program

Installation Action Plan

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Statement of Purpose

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

In an effort to coordinate planning information between the environmental restoration manager, the 99th Regional Support Command (RSC), the US Army Environmental Command (USAEC), the Installation Management Command-Army Reserve Directorate (IMCOM-ARD), the executing agencies, the regulatory agencies, and the public, an IAP was completed. The IAP is used to track requirements, schedules, and tentative budgets for all 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
AOC	Area of Concern
CC	Compliance-related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CR	Compliance Restoration
DD	Decision Document
DERP	Defense Environmental Restoration Program
FRA	Final Remedial Action
FS	Feasibility Study
FY	Fiscal Year
IAP	Installation Action Plan
IMCOM-ARD	Installation Management Command - Army Reserve Directorate
IR	Installation Restoration
IRA	Interim Remedial Action
IRP	Installation Restoration Program
LTM	Long-Term Management
MMRP	Military Munitions Response Program
N/A	Not Applicable
NFA	No Further Action
NPL	National Priority List
ODUSD(I&E)	Office of the Deputy Undersecretary of Defense for Installation and Environment
PA	Preliminary Assessment
PCE	Tetrachloroethylene
RA	Remedial Action
RA(C)	Remedial Action (Construction)
RAB	Restoration Advisory Board
RC	Response Complete
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy-in-Place
ROD	Record of Decision
RSC	Regional Support Command
SI	Site Inspection
TAPP	Technical Assistance for Public Participation
TCE	Trichloroethylene
TRC	Technical Review Committee
USAEC	US Army Environmental Command
USAR	US Army Reserves
USARC	US Army Reserve Command
VOC	Volatile Organic Compound

Installation Information

Installation Locale

Installation Size (Acreage): 4.47

City: Lodi

County: Bergen

State: New Jersey

Other Locale Information

The Alexander Hamilton US Army Reserve Center (USARC) is the official name for USARC Lodi. It is located on approximately 4.47 acres of land and is improved with a 43,000-square-foot USARC (with a full basement and two groundwater sumps) and a 6,300-square-foot organizational maintenance shop.

Installation Mission

Training of US Army Reserve (USAR) units.

Lead Organization

US Army Reserve

Lead Executing Agencies for Installation

99th RSC

Regulator Participation

State Steve Urbanik, New Jersey Department of Environmental Protection, Case Management Division

National Priorities List (NPL) Status

USARC LODI is not on the NPL

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

Installation is in the process of determining interest in establishing a RAB.

Installation Program Summaries

CR

Primary Contaminants of Concern: Volatiles (VOC)

Affected Media of Concern: Groundwater

5-Year / Periodic Review Summary

No 5-Year / Periodic Reviews have been scheduled

Cleanup Program Summary

Installation Historic Activity

The Alexander Hamilton USARC is located on approximately 4.47 acres of land and is improved with a 43,000-square-foot USARC (with a full basement and two groundwater sumps) and a 6,300-square-foot organizational maintenance shop. The groundwater was sampled to determine if any contamination from the upgradient Formerly Utilized Remedial Action Program, Maywood National Priority List (NPL) site may have migrated onto the property. The results of the groundwater data showed that exceedances of volatile organic compounds (VOC) [tetrachloroethene (PCE) and trichloroethane (TCE)] were present in the groundwater above New Jersey Department of Environmental Protection standards at concentrations as high as 100 micrograms per liter. At this time the source of contamination is still unknown.

Installation Program Cleanup Progress

CR

Prior Year Progress: Contract awarded for the RI of site CC Site 08.

Future Plan of Action: Execution and completion of the RI and award of feasibility study (FS).

USARC LODI
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 08)

Most Widespread Contaminants of Concern

Volatiles (VOC)

Media of Concern

Groundwater

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

Site ID	Site Name	Action	Remedy	FY
N/A				

Duration of CR

Date of CR Inception: 200808

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201712/201712

Date of CR completion including Long Term Management (LTM): 201712

CR Contamination Assessment

Contamination Assessment Overview

Environmental restoration activities include the Installation Restoration Program (IRP) and Military Munitions Response Program (MMRP). On Dec. 29, 2008, the Office of the Deputy Under Secretary of Defense for Installation and Environment, [ODUSD (I&E)], issued an interim policy for Defense Environmental Restoration Program (DERP) eligibility that rescinded the 1986 eligibility date for the IRP and the 2002 eligibility date for the MMRP. This made many sites previously addressed in the Army's Compliance-related Cleanup (CC) Program eligible for the DERP. Sites that are now eligible for the IRP have been migrated from Army Environmental Database-Compliance-related Cleanup (AEDB-CC) and given the naming convention of other Installation Restoration (IR) sites. The newly eligible sites are considered to be IR sites; however, they are being coded as Compliance Restoration (CR) in AEDB-R to distinguish them from the original IR sites and IR metrics.

VOCs have been observed in groundwater monitoring wells as well as basement sump pumps.

Cleanup Exit Strategy

USARC Lodi will complete the RI phase to determine the nature and extent of any contaminants of concern. Previous studies have indicated VOCs in the groundwater. If the nature and extent anticipate risk, a human health risk assessment will be done. After this occurs, the FS and remedy [record of decision (ROD)] will be selected to lower the risk to acceptable target levels.

CR Previous Studies

	Title	Author	Date
2007	Environmental Baseline Survey	US Army Center for Health Promotion and Preventive Medicine	JUN-2007
2008	Sump Sampling	US Army Center for Health Promotion and Preventative Medicine	NOV-2008
2010	Environmental Baseline Survey, Phase II	US Army Public Health Command	MAY-2010
2012	Radiological Survey Report	Shaw Environmental, Inc	DEC-2012
2013	Remedial Investigation, Phase 1	Stell Environmental Inc	FEB-2013

USARC LODI
Compliance Restoration
Site Descriptions

Site ID: CC SITE 08
Site Name: VOC/SVOCs in Groundwater

STATUS

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

Phases	Start	End
PA.....	200808.....	200904
SI.....	200906.....	201001
RI/FS.....	201110.....	201712
RIP Date:	N/A	
RC Date:	201712	

SITE DESCRIPTION

Background: Based upon the results of a 2007 Environmental Baseline Survey (EBS), performed at the Alexander Hamilton USARC, it was determined that contaminated groundwater from the up gradient Maywood NPL site may have migrated onto the Alexander Hamilton installation property. In response to the EBS findings, in 2008, two sump water samples were collected and exceedances of VOCs (PCE and TCE) were revealed.

In 2009, a site investigation was performed to characterize groundwater in relation to VOCs identified in the 2008 groundwater samples. Six monitoring wells were installed within the overburden aquifer. Samples were collected from the six monitoring wells and the two groundwater sumps located in the basement of the USARC. Concentrations of VOCs at one sump were recorded at approximately two orders of magnitude higher than the most hydraulically-down gradient overburden and shallow bedrock wells associated with the Maywood site. The groundwater analytical data generated at the installation property could not be used to conclude that the Maywood site was the major contributor to the groundwater contamination at the Alexander Hamilton USARC property.

A Phase 1 RI was completed in December 2012. Additional wells were installed in the unconsolidated and consolidated aquifer to better understand the direction, pathway, and/or location of the VOC source(s). The off-site and upgradient wells installed did not reveal VOC contamination, indicating that the contamination may not be an off-site source.

Beginning in fiscal year (FY)14 a contract for the performance of an RI was awarded. The RI has two goals. The first is to determine the nature and extent of the on-site impacts associated with former operations at the installation. The second goal is to use the RI to develop remedial alternatives to address environmental impacts that pose a threat to human health and the environment. At the conclusion of the RI, the FS and the proposed plan (PP) will be performed. The FS will be performed under the current contract. Until further progress is made and the ROD achieved, no additional cost estimates will be generated. The PP and the ROD will be performed under the above referenced contract.

CLEANUP/EXIT STRATEGY

The site currently is under contract to perform an RI. Results from the RI may yield the performance of an FS to determine any potential RAs. The operating contract has optional capabilities to perform an FS and ROD.

Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
There are no NFA sites			

CR Schedule

Date of CR Inception: 200808

Past Phase Completion Milestones

2009

PA (CC SITE 08 - VOC/SVOCs in Groundwater)

2010

SI (CC SITE 08 - VOC/SVOCs in Groundwater)

Projected Phase Completion Milestones

See attached schedule

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

To Be Determined

Final RA(C) Completion Date:

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of CR at Installation (including LTM phase): 201712

USARC LODI CR Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
CC SITE 08	VOC/SVOCs in Groundwater	RI/FS						

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): 201402

Restoration Advisory Board (RAB): No

Reason Not Established: Installation is in the process of determining interest in establishing a RAB.

Additional Community Involvement Information

Community interest was solicited in a circulating newspaper for 30 calendar days and posted online in August 2014. No interest has been received yet.

Administrative Record is located at

99th RSC HEADQUARTERS
AFRC-SNJ-PW-E
5231 SOUTH SCOTT PLAZA
JOINT BASE MCGUIRE DIX LAKEHURST, NEW JERSEY 08640
IRP POC 609.562.7661

Information Repository is located at

99th RSC HEADQUARTERS
AFRC-SNJ-PW-E
5231 SOUTH SCOTT PLAZA
JOINT BASE MCGUIRE DIX LAKEHURST, NEW JERSEY 08640
IRP POC 609.562.7661

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

TAPP Title: N/A

Potential TAPP: N/A

