

FY2012

USARC CAVEN POINT
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 restoration manager, the 99th Regional Services Command (RSC), the US Army Environmental Command (USAEC), US Army Reserve Command (USARC) Caven Point, the Installation Management Command-Army Reserve Office (IMCOM-ARO), 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
AMSA	Area Maintenance Support Activity
AOC	Area of Concern
AST	Aboveground Storage Tank
BEHP	bis(2-ethylhexyl) phthalate
CC	Compliance-related Cleanup
CR	Compliance Restoration
DD	Decision Document
DERP	Defense Environmental Restoration Program
ER, A	Environmental Restoration, Army
FRA	Final Remediation Action
FY	Fiscal Year
IAP	Installation Action Plan
ID	Identification
IMCOM-ARO	Installation Management Command - Army Reserve Office
IMP (C)	Implementation Construction
IMP (O)	Implementation Operations
INV	Investigation
IR	Installation Restoration
IRA	Interim Remedial Action
IRP	Installation Restoration Program
ISC	Initial Site Characterization
K	thousand
LSRP	Licensed Site Remediation Program
LTM	Long-Term Management
MMRP	Military Munitions Response Program
MR	Munitions Response
NFA	No Further Action
NJDEP	New Jersey Department of Environmental Protection
NPL	National Priorities List
ODUSD (I&E)	Office of the Deputy Under Secretary of Defense for Installations and Environment
POL	Petroleum, Oil and Lubricants
RA	Remedial Action
RA (C)	Remedial Action - Construction
RA (O)	Remedial Action - Operations
RAB	Restoration Advisory Board
RAO	Remedial Action Objective
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RIP	Remedy-in-Place
ROD	Record of Decision
RSC	Regional Support Command
TAPP	Technical Assistance for Public Participation

Acronyms

TBD	To Be Determined
TRC	Technical Review Committee
ug/L	micrograms per Liter
USAEC	US Army Environmental Command
USARC	US Army Reserve Center
USEPA	US Environmental Protection Agency
VOC	Volatile Organic Compound

Installation Information

Installation Locale

Installation Size (Acreage): 20

City: Jersey City

County: Hudson

State: New Jersey

Other Locale Information

USARC Caven Point is located at 1 Chapel Ave and Caven Point Road in Jersey City, New Jersey.

Installation Mission

USARC Caven Point is a reserve training center which serves multiple reserve units through classroom training and a vehicle maintenance shop.

Lead Organization

Lead Executing Agencies for Installation

99th RSC

Regulator Participation

State Site Remediation Division, New Jersey Department of Environmental Protection, (NJDEP)

National Priorities List (NPL) Status

USARC CAVEN POINT is not on the NPL

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

DoD does not have cleanup lead at site (e.g., FUDS).

Installation Program Summaries

CR

Primary Contaminants of Concern: Petroleum, Oil and Lubricants (POL)

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 site was a former aboveground storage tank (AST). The facility contained 12 ASTs containing No. 2 fuel oil. During the closure of these tanks in July 1998, it was discovered that the piping from two tanks (building 199 and 204) leaked into the subsurface soil.

In 2009, asbestos and petroleum contaminated soil was removed from several AOCs on-site. In an effort to obtain site-wide soil and groundwater closure, four additional wells were installed. In 2010, the 99th RSC issued an RA report which detailed the results of the site-wide excavation of soils. State closure with regards to soils, was achieved in March 2011 with the preparation of a RA outcome decision document (DD). In 2010, a remedial investigation (RI) report for groundwater was issued; however, concentrations observed did not warrant state closure in regards to groundwater. Groundwater is still being investigated.

Installation Program Cleanup Progress

CR

Prior Year Progress: Quarterly sampling was conducted.

Future Plan of Action: Annual sampling will continue.

USARC CAVEN POINT
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 Above Ground Storage Tank
(CCNJ008002)

Most Widespread Contaminants of Concern

Petroleum, Oil and Lubricants (POL)

Media of Concern

Groundwater

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

Site ID	Site Name	Action	Remedy	FY
CCNJ008002	AST Spill Remediation action	IRA	REMOVAL	2003
CCNJ008002	AST Spill Remediation action	FRA	REMOVAL	2010

Duration of CR

Date of CR Inception: 200101

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201009/201409

Date of CR completion including Long Term Management (LTM): 201409

CR Contamination Assessment

Contamination Assessment Overview

Contamination to groundwater is a result of a leaking underground storage tank (UST) that held fuel oil.

Cleanup Exit Strategy

Until two consecutive rounds of stable or decreasing concentrations have occurred it is assumed that two additional years of sampling will be needed in FY13 and FY14. Sampling frequency will decrease to annual sampling events for four wells.

CR Previous Studies

	Title	Author	Date
2006	Site Investigation	Potomac Hudson	MAR-2006
2010	Remedial Action Report (Soil)	CAPE	SEP-2010
	Remedial Investigation Report/Remedial Action Workplan for Groundwater	CAPE	SEP-2010

USARC CAVEN POINT
Compliance Restoration
Site Descriptions

STATUS

Regulatory Driver: RCRA

Contaminants of Concern: Petroleum, Oil and Lubricants (POL)

Media of Concern: Groundwater

Phases	Start	End
ISC.....	200101.....	200108
INV.....	200408.....	200506
IRA.....	200201.....	200211
IMP(C).....	200910.....	201009
IMP(O).....	200610.....	201409

RIP Date: 201009

RC Date: 201409

SITE DESCRIPTION

The facility contained 12 ASTs storing No. 2 fuel oil. During the closure of these tanks in July 1998, it was discovered that the fuel oil leaked from the piping of two tanks into the subsurface soil. Benzene concentrations in the groundwater were found to be above New Jersey groundwater quality criteria. An RI [also known as initial site characterization (ISC)] was completed in 2001. The extent of the contamination in groundwater was 150 feet down gradient from the source. The 77th RSC (now the 99th RSC) entered into a memorandum of agreement (MOA) with the NJDEP and in October 2002, 110 cubic yards of soil and 4,000 gallons of impacted groundwater were removed as part of an IRA. In February 2005, an RI (also known as an investigation) was completed under case number 98-07-13-1600-26. The RI found that benzene levels exceeded the New Jersey groundwater quality criteria for benzene of one part per billion (ppb) up to 150 feet down gradient from the source and that total natural attenuation would be expected within 12 years. The implementation construction [IMP (C)] phase occurred in 2009 to 2010 with additional soil removal. The implementation operations [IMP (O)] phase started in fiscal year (FY) 2006 with quarterly groundwater monitoring.

Under the IMP(O) phase, quarterly monitoring of four groundwater wells for volatile organic compounds (VOC) is currently underway.

CLEANUP/EXIT STRATEGY

Until two consecutive rounds of stable or decreasing concentrations have occurred it is assumed that two additional years of sampling will be needed in FY13 and FY14. Sampling frequency will decrease to annual sampling events for four wells.

Site Closeout (No Further Action) Summary

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

CR Schedule

Date of CR Inception: 200101

Past Phase Completion Milestones

2001

ISC (CCNJ008002 - AST Spill Remediation action)

2003

IRA (CCNJ008002 - AST Spill Remediation action)

2005

INV (CCNJ008002 - AST Spill Remediation action)

2010

IMP(C) (CCNJ008002 - AST Spill Remediation action)

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: 201009

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of CR at Installation (including LTM phase): 201409

USARC CAVEN POINT CR Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
CCNJ008002	AST Spill Remediation action	IMP(O)						

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): TBD

Restoration Advisory Board (RAB): No

Reason Not Established: DoD does not have cleanup lead at site (e.g., FUDS).

Additional Community Involvement Information

The soil and groundwater studies and remediation followed the NJDEPs requirements for public notice in the form of visible signs on the site that the public could see which solicited comments from the public. No calls were received and therefore no RAB was created.

Administrative Record is located at

Fort Dix
5231 South Scott Plaza
Fort Dix, New Jersey 08640
609-562-7661

Information Repository is located at

Fort Dix
5231 South Scott Plaza
Fort Dix, New Jersey 08640
609-562-7661

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

TAPP Title: N/A

Potential TAPP: N/A

