

FY2012

AFRC ALBANY

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 Support Command (RSC), the US Army Environmental Command (USAEC), the Installation Management Command-Army Reserve Directorate (IMCOM-ARD), the Armed Forces Reserve Center (AFRC)-Albany, 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-R | Army Environmental Database - Restoration |
| AFRC | Armed Forces Reserve Center |
| AOC | Area of Concern |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| ER,A | Environmental Restoration, Army |
| FRA | Final Remedial Action |
| FS | Feasibility Study |
| FY | Fiscal Year |
| HRS | Hazard Ranking Score |
| IAP | Installation Action Plan |
| ID | Identification |
| IMCOM-ARD | Installation Management Command - Army Reserve Directorate |
| IRA | Interim Remedial Action |
| IRP | Installation Restoration Program |
| LTM | Long-Term Management |
| NFA | No Further Action |
| NFRAP | No Further Remedial Action Planned |
| NPL | National Priorities List |
| NYSDEC | New York State Department of Environmental Conservation |
| OMS | Operation and Maintenance Shop |
| OWS | Oil/Water Separator |
| PA | Preliminary Assessment |
| POL | Petroleum, Oil, and Lubricants |
| RA | Remedial Action |
| RA(C) | Remedial Action (Construction) |
| RA(O) | Remedial Action (Operation) |
| RAB | Restoration Advisory Board |
| RC | Response Complete |
| RD | Remedial Design |
| RIP | Remedy-in-Place |
| RRSE | Relative Risk Site Evaluation |
| RSC | Regional Support Command |
| SI | Site Inspection |
| SOW | Scope of Work |
| SVOC | Semi-Volatile Organic Compound |
| TAPP | Technical Assistance for Public Participation |
| TBD | To Be Determined |
| TRC | Technical Review Committee |
| USAEC | US Army Environmental Command |
| USAR | US Army Reserve |
| USEPA | US Environmental Protection Agency |
| UST | Underground Storage Tank |
| VOC | Volatile Organic Compound |

Installation Information

Installation Locale

Installation Size (Acreage): 3.3

City: Albany

County: Albany

State: New York

Other Locale Information

The AFRC Albany is currently referred to as the O'Donovan AFRC. It is located on approximately 3.3 acres and is surrounded by residential housing to the north and west, Albany City High School to the east, and the College of St. Rose to the south.

Installation Mission

Training US Army Reserve (USAR) units.

Lead Organization

Lead Executing Agencies for Installation

99th RSC

Regulator Participation

Federal US Environmental Protection Agency (USEPA)

National Priorities List (NPL) Status

AFRC ALBANY is not on the NPL

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

Installation has no sites in RI phase.

Installation Program Summaries

IRP

Primary Contaminants of Concern: Petroleum, Oil and Lubricants (POL), Semi-volatiles (SVOC), Volatiles (VOC)

Affected Media of Concern: Soil

5-Year / Periodic Review Summary

No 5-Year / Periodic Reviews have been scheduled

Cleanup Program Summary

Installation Historic Activity

Maintenance activities associated with vehicle repair have occurred on-site. A washrack and corresponding oil/water separator (OWS) appear to be the source of contamination.

Installation Program Cleanup Progress

IRP

Prior Year Progress: A site inspection (SI) addendum was pursued instead of a remedial investigation (RI) in fiscal year (FY)12, since no human health risk assessment (HHRA) was planned.

Future Plan of Action: If the results of the SI addendum warrant risk, a RI/HHRA/FS will be pursued in FY13 and into FY14.

AFRC ALBANY
Army Defense Environmental Restoration Program
Installation Restoration Program

IRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count: 9/8

Installation Site Types with Future and/or Underway Phases

1 Soil Contamination After Tank Removal
(SITE 4)

Most Widespread Contaminants of Concern

Petroleum, Oil and Lubricants (POL), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern

Soil

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

| Site ID | Site Name | Action | Remedy | FY |
|---------|--------------------------------|--------|---------|------|
| SITE 4 | VEHICLE WASH RACK & O/W SEP | IRA | REMOVAL | 2006 |

Duration of IRP

Date of IRP Inception: 199006

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201309/201309

Date of IRP completion including Long Term Management (LTM): 201309

IRP Contamination Assessment

Contamination Assessment Overview

In 1999, soil and groundwater sampling were performed, exceedances were confirmed, and the washrack closed. In 2003, a preliminary assessment (PA) gave a Hazard Ranking System (HRS) score of 52. In 2005, a site assessment rescored the HRS score to a 1.04. In 2006 the USAR received a letter from the USEPA. The site does not meet the criteria for the NPL; however, it did not relieve the USAR from other cleanup requirements. In 2006, an RA was performed in the form of a soil excavation and demolition of the OWS (75 tons of soil were removed).

Post excavation, the site was again rescored to an HRS of 0.34. In 2009, an e-mail from the USEPA was received indicating that after review of the 2006 RA report the USEPA does not have enough information to recommend no further action (NFA) at the site. Further soil and water sampling was recommended as well as a vapor intrusion study in the parking lot and in the buildings on-site.

Cleanup Exit Strategy

An SI addendum is planned in FY2012 to investigate the exceedances observed in groundwater with the installation of permanent monitoring wells and investigation of soil gas.

Assuming that the SI addendum reveals exceedances in groundwater, soil gas, and indoor air, an RI and an HHRA will be performed in FY2013. An FS will also be used to determine the potential RAs.

IRP Previous Studies

| | Title | Author | Date |
|-------------|--|-------------------------|-------------|
| 1998 | Oil Water Separator Report | US Geological Survey | JUL-1998 |
| 2003 | Preliminary Assessment | Parsons | AUG-2003 |
| 2004 | Supplemental Site Investigation Report | EA Engineering | MAY-2004 |
| 2006 | Removal Action Report | EA Engineering | SEP-2006 |
| 2011 | Site Inspection | PARS Environmental Inc. | NOV-2011 |

AFRC ALBANY

Installation Restoration Program

Site Descriptions

Site Name: VEHICLE WASH RACK & O/W SEP

STATUS

Regulatory Driver: CERCLA

RRSE: LOW

Contaminants of Concern: Petroleum, Oil and Lubricants (POL), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Soil

| Phases | Start | End |
|------------|-------------|--------|
| PA..... | 199804..... | 200301 |
| SI..... | 200405..... | 201211 |
| RI/FS..... | 201212..... | 201309 |
| IRA..... | 200510..... | 200602 |

RIP Date: N/A

RC Date: 201309

SITE DESCRIPTION

Between 1998 and 1999, soil samples and a groundwater sample were taken and exceedances of VOCs and SVOCs were confirmed in both groundwater and soil samples within the OWS/washrack area. The OWS and washrack were closed in place in 1999.

In 2002, the AFRC was considered a large quantity hazardous waste generator by the USEPA and therefore a PA needed to be performed at the facility.

The goal of the PA was to determine if there was a need for further SI. The PA was performed in 2003 and because of the number of receptors and data from the previous sampling events the site was scored for HRS as a 52, meaning that it was potentially eligible for NPL.

Based on the results of the PA and the HRS, an SI was completed in 2004. Soil and groundwater samples were taken. Free-product was observed during the soil sampling. Metals and VOCs in soil were again observed above NYSDECs standards, as well as VOC and SVOC exceedances in groundwater. During the SI it was determined that the original HRS scoring did not take into account that the main contaminant of concern was petroleum, and hence the new HRS scoring incorporated the petroleum contaminants, changes to the chemical specific waste characteristics, and target factors, and the recalculated HRS score became 1.04 (well below the HRS baseline of 28.5).

In 2006 a soil removal action occurred and 75 tons of soil were removed. Post excavation samples did not reveal any soil exceedances and subsequently the HRS was rescored as 0.34. The USEPA issued a no further remedial action planned (NFRAP) letter in 2006 based on the results of the rescoring; however, it did not release the Army from any cleanup associated with any releases, the NFRAP only disqualified the site from the NPL.

In 2009, an e-mail from the USEPA was received indicating that after review of the 2006 soil removal report, the USEPA did not have enough information to recommend NFA. Further soil and groundwater sampling was recommended as well as a vapor intrusion study in the parking lot and in the buildings on-site. The USEPA revealed that they were concerned that soil and groundwater had not been fully characterized, that only that the presumed source area was removed, and that there was not enough information to determine if there was any off-site migration of contaminants. To date only four groundwater samples have ever been taken from this site (one sample in 1999, three samples in 2004, and no sample post excavation). The USEPA is concerned since down gradient groundwater samples showed VOC and SVOC exceedances in 2004. It was noted that EPAs heightened concerns for better characterization and determination of migration of contaminants, stems from the location of the school directly adjacent and down gradient of the property.

In 2011 an SI occurred in which additional soil and groundwater samples were taken along the property border to determine if migration of contamination has occurred. No exceedances in soil were encountered; however, slight exceedances of VOCs and SVOCs were seen in groundwater. One soil gas sample detected tetrachloroethene at 360 micrograms per cubic meter (ig/m3) (standard is 81 ig/m3) near the administrative building; however, no other soil gas samples exceeded the screening levels. Based on the results, migration of contaminants off-site has been determined to not have occurred; however, further investigation of soil gas and groundwater is still warranted in other locations on-site.

Site ID: SITE 4

Site Name: VEHICLE WASH RACK & O/W SEP

An SI addendum is planned in FY2012 to investigate the exceedances observed in groundwater with the installation of permanent monitoring wells and investigation of soil gas.

Assuming that the SI addendum reveals exceedances in groundwater, soil gas, and indoor air, an RI and an HHRA will be performed in FY2013. An FS will also be used to determine the potential RAs.

CLEANUP/EXIT STRATEGY

Assuming the SI reveals exceedances in soil and/or groundwater, an RI will be performed in 2012. As part of the RI, the nature and extent of the contamination would be determined with additional investigation of groundwater and soils. A risk assessment will also be completed as part of the RI. An FS will also be used to determine the potential RAs.

Site Closeout (No Further Action) Summary

| Site ID | Site Name | NFA Date | Documentation |
|---------|--------------------------|----------|---------------|
| SITE 1 | INDOOR FIRING RANGE | 199804 | |
| SITE 2 | #2 FUEL OIL UST | 199006 | |
| SITE 3 | #2 FUEL OIL UST | 199006 | |
| SITE 5 | #2 FUEL OIL UST | 199107 | |
| SITE 6 | WASTE OIL AND GREASE UST | 199804 | |
| SITE 7 | GREASE PIT | 199804 | |
| SITE 8 | POL ROOM | 199804 | |
| SITE 9 | DRUM STORAGE AREA | 199804 | |

IRP Schedule

Date of IRP Inception: 199006

Past Phase Completion Milestones

1990

PA (SITE 2 - #2 FUEL OIL UST, SITE 3 - #2 FUEL OIL UST)

1991

PA (SITE 5 - #2 FUEL OIL UST)

1998

PA (SITE 1 - INDOOR FIRING RANGE, SITE 6 - WASTE OIL AND GREASE UST, SITE 7 - GREASE PIT, SITE 8 - POL ROOM, SITE 9 - DRUM STORAGE AREA)

2003

PA (SITE 4 - VEHICLE WASH RACK & O/W SEP)

2006

IRA (SITE 4 - VEHICLE WASH RACK & O/W SEP)

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 IRP at Installation (including LTM phase): 201309

AFRC ALBANY IRP Schedule

= phase underway

| SITE ID | SITE NAME | PHASE | FY13 | FY14 | FY15 | FY16 | FY17 | FY18+ |
|---------|-----------------------------|-------|------|------|------|------|------|-------|
| SITE 4 | VEHICLE WASH RACK & O/W SEP | SI | | | | | | |
| | | RI/FS | | | | | | |

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): TBD

Restoration Advisory Board (RAB): No

Reason Not Established: Installation has no sites in RI phase.

Additional Community Involvement Information

RAB solicitation has not yet occurred. A RAB will be solicited if the RI/FS phase is initiated.

Administrative Record is located at

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

Information Repository is located at

TBD

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

TAPP Title: N/A

Potential TAPP: N/A

