

**FY2016**

**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, 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, 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
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DD	Decision Document
ER,A	Environmental Restoration, Army
FRA	Final Remedial Action
FS	Feasibility Study
FY	Fiscal Year
HHRA	Human Health Risk Assessment
HRS	Hazard Ranking System
IAP	Installation Action Plan
ID	Identification
IRA	Interim Remedial Action
IRP	Installation Restoration Program
LTM	Long-Term Management
N/A	Not Applicable
NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
OWS	Oil/Water Separator
PA	Preliminary Assessment
PCE	Tetrachloroethene
POL	Petroleum, Oil, and Lubricants
PP	Proposed Plan
RA	Remedial Action
RA(O)	Remedial Action (Operation)
RAB	Restoration Advisory Board
RC	Response Complete
RI	Remedial Investigation
RIP	Remedy-in-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
RSC	Regional Support Command
SI	Site Inspection
SVOC	Semi-Volatile Organic Compound
TAPP	Technical Assistance for Public Participation
TBD	To Be Determined
TRC	Technical Review Committee
ug/m <sup>3</sup>	micrograms per cubic meter
USAEC	US Army Environmental Command
USAR	US Army Reserve
USEPA	US Environmental Protection Agency
UST	Underground Storage Tank
VI	Vapor Intrusion

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. The address is 90 N. Main Ave, Albany, NY.

### Installation Mission

As of the end fiscal year (FY)15, the O'Donovan center had no active units and building is now unoccupied. Currently, there is no plan for future use until the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process is complete.

### Lead Organization

US Army Reserve

### Lead Executing Agencies for Installation

99th RSC

### Regulator Participation

**Federal**

US Environmental Protection Agency (USEPA)

**State**

New York State Department of Environmental Conservation

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

### Installation Program Summaries

#### IRP

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

**Affected Media of Concern:** Soil

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## 5-Year / Periodic Review Summary

No 5-Year / Periodic Reviews have been scheduled

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## 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:** Continued remedial investigation (RI) work on Site 04.

**Future Plan of Action:** Completion of the RI at Site 04 and perform the feasibility study (FS), PP and DD.



**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 Contaminated Ground Water  
(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	WASTE REMOVAL - SOILS	2006

## Duration of IRP

**Date of IRP Inception:** 199006

**Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC):** 201812/201812

**Date of IRP completion including Long Term Management (LTM):** 201812

# 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 1.04. In 2006, the US Army Reserve (USAR) received a letter from the USEPA. The site did 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 did 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 (VI) study in the parking lot and in the buildings on-site. In FY13 a site inspection (SI) addendum was completed and VOC concentrations warranted additional study on and off-site. An RI/FS, human health risk assessment (HHRA), and a decision document (DD) is being pursued to determine the nature and extent of the contamination. A supplemental investigation began in March 2013 to support the RI/FS efforts and determine if VI was a concern.

## Cleanup Exit Strategy

The RI is on-going to determine the nature and extent of the contamination and perform the risk assessment. The FS will evaluate cleanup alternatives. The proposed plan (PP) and record of decision (ROD) will recommend and choose the site's remedy. Until the RI and FS phases are complete, it is too early to speculate what remedy will be needed for the site.

## IRP Previous Studies

	<b>Title</b>	<b>Author</b>	<b>Date</b>
<b>1998</b>	Oil Water Separator Report	US Geological Survey	JUL-1998
<b>2003</b>	Preliminary Assessment	Parsons	AUG-2003
<b>2004</b>	Supplemental Site Investigation Report	EA Engineering	MAY-2004
<b>2006</b>	Removal Action Report	EA Engineering	SEP-2006
<b>2011</b>	Site Inspection	PARS Environmental Inc.	NOV-2011
<b>2013</b>	DEC and DOH Announce Results of Tests Reveal No Contamination at Albany High School	New York State of Environmental Conservation	FEB-2013
	SI Addendum	Pars Environmental, Inc	FEB-2013
	Site Investigation Report (Rapid Response)	Shaw	MAY-2013

**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.....	201301
RI/FS.....	201302.....	201812
IRA.....	200510.....	200602

RIP Date: N/A

RC Date: 201812

SITE DESCRIPTION

The Major James J. O'Donovan AFRC began operations in the 1950s. In 1998, VOCs and SVOCs were confirmed in both groundwater and soil samples in the vicinity of the closed OWS and wash rack. In 2002, the AFRC was considered a large quantity hazardous waste generator by New York State Department of Environmental Conservation (NYSDEC) and the USEPA. As a result of the listing, the USEPA requested a PA be performed at the facility in the vicinity of the OWS and washrack. A PA was completed in 2003 and concluded the potential for a site release to impact sensitive receptors was small but due to the large number of receptors located in close proximity to the installation, conducting a focused SI was recommended. The SI was conducted in 2004 yielding a recommendation for a limited soil excavation to be conducted in the vicinity of the OWS, washrack, and former underground storage tank (UST) area. Additional groundwater actions were not recommended.

In 2006, a soil removal action occurred in the OWS and washrack area and 75 tons of soil was removed. Post excavation samples did not reveal any soil exceedances. The USEPA issued a no further remedial action planned (NFRAP) letter in 2006 but the agency did not release the Army from cleanup associated with any releases; the NFRAP only disqualified the site from the NPL.

In 2009, an e-mail from the USEPA stated that upon review of the 2006 Soil Removal report, the USEPA did not have enough information to recommend NFA at the site. Further soil and groundwater sampling was recommended as well as a VI study in the parking lot and in the buildings on-site. In 2011, a SI occurred in which additional soil and groundwater samples were taken along the property border to determine if migration of contamination had occurred. No exceedances in soil were encountered; however, slight exceedances of VOCs and SVOCs were revealed in groundwater.

In 2012, an SI addendum was executed to investigate the historical exceedances observed in groundwater and soil gas at the installation. Tetrachloroethene (PCE) concentrations were recorded at higher levels in groundwater than previously recorded during the performance of the SI in 2004. The revelation of the higher PCE concentrations warranted investigation of the adjacent school property as well as additional on-site sampling of groundwater, soil, and air. Immediate supplemental sampling was performed by the NYSDEC at the Albany High School to check for VI. VI sampling revealed no impact present at the high school. In March 2013, VI and soil gas sampling was conducted along the perimeter of the installation and adjacent to the residential housing areas located closest to the installation. Indoor air samples recorded exceedances of trichloroethylene. Soil gas sample analysis did not indicate an immediate threat of VI to the residential homes adjacent to the site.

An RI began in January 2014. Field work occurred in 2015 and 2016 and following the RI report's completion in 2016, the FS, PP and DD will be completed. Results from the RI will determine what remedial action alternatives is needed for the site.

CLEANUP/EXIT STRATEGY

The RI is on-going to determine the nature and extent of the contamination and perform the risk assessment. The FS will evaluate cleanup alternatives. The PP and ROD will recommend and choose the site's remedy. Until the RI and FS phases are complete, it is too early to speculate what remedy will be needed for the site.

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
SITE 1	INDOOR FIRING RANGE	199804	Range Cleaning Clearance Certification for Facility ID NY001
SITE 2	#2 FUEL OIL UST	199006	EDR Report found in Environmental Condition of Property, 2012.
SITE 3	#2 FUEL OIL UST	199006	EDR Report found in Environmental Condition of Property, 2012.
SITE 5	#2 FUEL OIL UST	199107	EDR Report found in Environmental Condition of Property, 2012. Environmental Condition of Property, 2012.
SITE 6	WASTE OIL AND GREASE UST	199804	Minley Trucking and Construction Environmental Services Contract (199401) found in Environmental Condition of Property, 2012
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)

**2013**

SI (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):** 201812



## AFRC ALBANY IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY17	FY18	FY19	FY20	FY21	FY22+
SITE 4	VEHICLE WASH RACK & O/W SEP	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**

A RAB solicitation was performed in FY14 (July and August 2014). There has been no response of interest received from the public notices published in the local newspaper (both electronic and hardcopy). If after two years solicitation for a RAB is still warranted, public notices will again be posted in the local newspaper.

### **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

