

**FY2012**

**1LT JOHN S TURNER USARC**  
**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 (IMCOMARD), 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

## Installation Information

### Installation Locale

**Installation Size (Acreage):** 5

**City:** Fairfield

**County:** Fairfield

**State:** CT

### Other Locale Information

The property has two permanent structures, an L-shaped main building and a three-bay vehicle repair garage.

### Installation Mission

During occupancy the installation's mission was for training of US Army Reserve (USAR) units. Currently, the property is unoccupied.

### Lead Organization

### Lead Executing Agencies for Installation

99th RSC

### Regulator Participation

**State** Connecticut Department of Energy and Environmental Protection

### National Priorities List (NPL) Status

1LT JOHN S TURNER 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

#### IRP

**Primary Contaminants of Concern:** Volatiles (VOC)

**Affected Media of Concern:** Groundwater, 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

Prior to connection to natural gas, the site was serviced by heating oil. It is believed that either a release associated with the heating oil underground storage tank (UST) or the associated piping is the cause of contamination.

### Installation Program Cleanup Progress

#### IRP

**Prior Year Progress:** During an FY2012 site investigation (SI) additional monitoring wells were installed; a vapor intrusion study was also conducted to further delineate the contamination.

**Future Plan of Action:** A corrective action plan (CAP) will be developed in FY2013 with implementation (operation) [IMP(O)].

**1LT JOHN S TURNER USARC**  
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**Installation Restoration Program**

# IRP Summary

**Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count:** 5/4

## Installation Site Types with Future and/or Underway Phases

1 Contaminated Ground Water  
(CT004-Site 05)

## Most Widespread Contaminants of Concern

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
SITE 02	#2 FUEL OIL UST (1,000 GAL.)	FRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1992

## Duration of IRP

**Date of IRP Inception:** 198902

**Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC):** 201407/201509

**Date of IRP completion including Long Term Management (LTM):** 201509

# IRP Contamination Assessment

## **Contamination Assessment Overview**

This installation's contamination is associated with a release from a since-removed heating oil tank.

## **Cleanup Exit Strategy**

A CAP is proposed for FY2013 which will determine and design the chosen treatment or contamination technologies. Implementation (construction) (IMP(C)) and IMP(O) will follow in FY2013 and FY2014-2015, respectively.

## IRP Previous Studies

	<b>Title</b>	<b>Author</b>	<b>Date</b>
<b>2007</b>	Environmental Condition of Property	CH2MHill	JUL-2007
<b>2011</b>	Site Characterization Report	Stell Environmental Enterprise	JUL-2011

**1LT JOHN S TURNER USARC**  
**Installation Restoration Program**  
**Site Descriptions**

**Site ID: CT004-Site 05**

**Site Name: OIL/GW SEEPAGE - MAIN BLDG#01 FLOOR**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** NOT EVALUATED

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

Media of Concern: Groundwater, Soil

Phases	Start	End
ISC.....	200608.....	200711
INV.....	201002.....	201210
CAP.....	201210.....	201302
IMP(C).....	201303.....	201407
IMP(O).....	201402.....	201509
<b>RIP Date:</b>	201407	
<b>RC Date:</b>	201509	

**SITE DESCRIPTION**

An Environmental Condition of Property report was prepared in 2007 in which oil staining in the boiler room was identified. During seasonal high groundwater, separate-phase oil from the cracks and joints in the concrete floor enters the boiler room. The source is believed to be from a heating oil UST that is no longer present.

An SI was conducted in September 2010 to determine the extent of the oil present in soil and groundwater. The SI included six soil borings and three monitoring wells. Petroleum hydrocarbons were detected in both soil and groundwater above state of Connecticut standards.

Currently, an SI Addendum is underway during which additional soil borings are being conducted and additional monitoring wells are being installed to determine the nature and extent of contamination. A vapor intrusion study is also being conducted.

If the results of the SI addendum warrant a remedial action (RA), enhanced bioremediation and monitored natural attenuation may be the proposed remedies. The bulk of the soil contamination is assumed to lie under the building; therefore, engineering constraints make it nonfeasible to propose excavation of soil.

A CAP is proposed for FY2013 which will determine and design the chosen treatment or contamination technologies. IMP(C) and IMP(O) will follow in FY2013 and FY2014-2015, respectively.

**CLEANUP/EXIT STRATEGY**

IMP(O) in the form of enhanced bioremediation and monitored natural attenuation will occur until required cleanup levels are met.

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
SITE 01	#2 FUEL OIL UST (6,000 GAL.)	198905	
SITE 02	#2 FUEL OIL UST (1,000 GAL.)	199112	
SITE 03	WASTE OIL UST (1,000 GAL.)	198905	
SITE 04	PAINT STORAGE	199809	

## IRP Schedule

**Date of IRP Inception:** 198902

### **Past Phase Completion Milestones**

#### **1989**

PA (SITE 01 - #2 FUEL OIL UST (6,000 GAL.), SITE 02 - #2 FUEL OIL UST (1,000 GAL.), SITE 03 - WASTE OIL UST (1,000 GAL.), SITE 04 - PAINT STORAGE)

#### **1992**

RA(C) (SITE 02 - #2 FUEL OIL UST (1,000 GAL.))

#### **2008**

ISC (CT004-Site 05 - OIL/GW SEEPAGE - MAIN BLDG#01 FLOOR)

### **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:** 201407

**Schedule for Next Five-Year Review:** N/A

**Estimated Completion Date of IRP at Installation (including LTM phase):** 201509

## 1LT JOHN S TURNER USARC IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
CT004-Site 05	OIL/GW SEEPAGE - MAIN BLDG#01 FLOOR	INV						
		CAP						
		IMP(C)						
		IMP(O)						

## 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:** TBD

**Efforts Taken to Determine Interest**

Site is currently in SI phase; therefore, no solicitation has occurred.

**Results**

TBD

**Follow-up Procedures**

TBD

**Additional Community Involvement Information**

None

**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

