

FY2015

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

| | |
|-----------|---|
| AEDB-R | Army Environmental Database - Restoration |
| AOC | Area of Concern |
| CAP | Corrective Action Plan |
| CMI | Corrective Measures Implementation |
| CTDEEP | Connecticut Department of Energy and Environmental Protection |
| DD | Decision Document |
| ECP | Environmental Condition of Property |
| ER,A | Environmental Restoration Army |
| FRA | Final Remedial Action |
| FY | Fiscal Year |
| IAP | Installation Action Plan |
| ID | Identification |
| IMCOM-ARD | Installation Management Command - Army Reserve Directorate |
| IMP(C) | Implementation (Construction) |
| IMP(O) | Implementation (Operation) |
| INV | Investigation |
| IRA | Interim Remedial Action |
| IRP | Installation Restoration Program |
| ISC | Initial Site Characterization |
| LTM | Long-Term Management |
| N/A | Not Applicable |
| NFA | No Further Action |
| NPL | National Priorities List |
| PA | Preliminary Assessment |
| POL | Petroleum, Oil, Lubricants |
| RA | Remedial Action |
| RA(C) | Remedial Action (Construction) |
| RAB | Restoration Advisory Board |
| RC | Response Complete |
| RCRA | Resource Conservation and Recovery Act |
| RI | Remedial Investigation |
| RIP | Remedy-in-Place |
| ROD | Record of Decision |
| RSC | Regional Support Command |
| SI | Site Inspection |
| SVOC | Semi-Volatile Organic Compound |
| TAPP | Technical Assistance for Public Participation |
| TRC | Technical Review Committee |
| USAEC | US Army Environmental Command |
| USARC | US Army Reserve Command |
| UST | Underground Storage Tank |

Installation Information

Installation Locale

Installation Size (Acreage): 5

City: Fairfield

County: Fairfield

State: CT

Other Locale Information

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

Installation Mission

The current mission of the center is to train stationed US Army Reserve units.

Lead Organization

US Army Reserve

Lead Executing Agencies for Installation

99th RSC

Regulator Participation

Federal

Kenneth Feathers, Program Manager for Turner USARC (Fairfield, CT) Remediation Division,
Bureau of Water Protection and Land Reuse

State

Connecticut Department of Energy and Environmental Protection (CTDEEP)

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

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)

Affected Media of Concern: Groundwater, Soil

5-Year / Periodic Review Summary

No 5-Year / Periodic Reviews have been scheduled

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: Groundwater investigation and monitoring at Site CT004-Site 05. The eighth consecutive quarterly sampling event was in October 2013. Free-product was observed in MW-02, for the first time, during the October 2013 sampling event.

Future Plan of Action: During fiscal year (FY)15, a corrective measures implementation/corrective action plan (CMI/CAP) will be developed to address the remedial investigation (RI) of the product impacted groundwater located in MW-02. The development of the combined CMI/CAP is recommended in order to adhere to the regulatory guidelines of CTDEEP and Resource Conservation and Recovery Act (RCRA). A contracting vehicle to execute the CMI/CAP actions will be developed and executed during FY16 to FY18.

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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

Petroleum, Oil and Lubricants (POL)

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): 201701/201701

Date of IRP completion including Long Term Management (LTM): 201701

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 FY14 which will determine and design the chosen treatment or contamination technologies. Implementation (construction) [IMP(C)] and Implementation (operation) [IMP(O)] will follow in FY15 and FY16 to FY17, respectively.

IRP Previous Studies

| | Title | Author | Date |
|-------------|--|---------------------------------------|-------------|
| 1990 | Letter from Clean Harbors regarding UST Removal and Replacement | Clean Harbors | NOV-1990 |
| 1992 | Post-Removal Report UST 1000 Gal Waste Oil | ATEC Environmental Consultants | JAN-1992 |
| 1998 | Final Asbestos Survey Report and Operations and Maintenance Plan | Covino Environmental Consultants, Inc | JUN-1998 |
| | Tank Closure Report | Roy F. Weston, Inc | OCT-1998 |
| 2007 | Environmental Condition of Property | CH2MHill | JUL-2007 |
| 2009 | Subsurface Investigation | AECOM | APR-2009 |
| 2011 | Site Characterization Report | Stell Environmental Enterprise | JUL-2011 |
| 2012 | Site Investigation Addendum | Stell Environmental | MAY-2012 |

1LT JOHN S TURNER USARC
Installation Restoration Program
Site Descriptions

Site ID: CT004-Site 05
Site Name: Product in Groundwater

STATUS

Regulatory Driver: RCRA

RRSE: LOW

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

Media of Concern: Groundwater, Soil

| Phases | Start | End |
|-----------------|--------------------|---------------|
| ISC..... | 200608..... | 200711 |
| INV..... | 201002..... | 201312 |
| CAP..... | 201401..... | 201701 |

RIP Date: N/A

RC Date: 201701

SITE DESCRIPTION

Historical USTs were removed and closure reports completed. An environmental condition of property (ECP) report was performed at the installation in April 2007. The results of the ECP triggered a response from CTDEEP in 2011 recommending further investigation of soils and groundwater at the installation. A site characterization report was submitted in 2011 and a site characterization addendum was completed in 2012. The addendum recommended the performance eight consecutive quarterly groundwater sampling events. The last sampling event occurred in October 2013.

Analytical results from October 2013 were similar to the prior sampling results with the exception of increases in selected semi-volatile organic compounds (SVOC) in the sample from MW-02. Historically, this well has been the only well where analytes have consistently exceeded regulatory criteria. During the October 2013 groundwater sampling event, approximately 0.5 to 1 inch of liquid-phase product was measured in this well. Product was not observed during any of the previous groundwater sampling events.

During FY15, a CMI/CAP will be developed to address the RI of the product impacted groundwater located in MW-02. The development of the combined CMI/CAP is recommended in order to adhere to the regulatory guidelines of CTDEEP and RCRA. A contracting vehicle to execute the CMI/CAP actions will be developed and executed during FY16 to FY18.

CLEANUP/EXIT STRATEGY

Groundwater monitoring will ensue until levels reach state groundwater objectives. Five-year reviews to continue for 30 years after state regulatory groundwater cleanup objectives are achieved.

Site Closeout (No Further Action) Summary

| Site ID | Site Name | NFA Date | Documentation |
|---------|------------------------------|----------|--|
| SITE 01 | #2 FUEL OIL UST (6,000 GAL.) | 198905 | Tank Closure Report. Underground Storage Tank Removal. Weston. 16 October 1998. |
| SITE 02 | #2 FUEL OIL UST (1,000 GAL.) | 199112 | Technical Report Underground Storage Tank Closure. ATEC Environmental Consultants. December 9, 1992. |
| SITE 03 | WASTE OIL UST (1,000 GAL.) | 198905 | Letter Regarding Underground Storage Tank Removal and Replacement. Clean Harbors. Nov 5, 1990 |
| SITE 04 | PAINT STORAGE | 199809 | Site not eligible for ER,A funds. |

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 - Product in Groundwater)

2014

INV (CT004-Site 05 - Product 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: 199112

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of IRP at Installation (including LTM phase): 201701

1LT JOHN S TURNER USARC IRP Schedule

= phase underway

| SITE ID | SITE NAME | PHASE | FY16 | FY17 | FY18 | FY19 | FY20 | FY21+ |
|---------------|------------------------|-------|------|------|------|------|------|-------|
| CT004-Site 05 | Product in Groundwater | CAP | | | | | | |

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): TBD

Restoration Advisory Board (RAB): No

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

Additional Community Involvement Information

The site has not entered the RI phase. If the site enters the RI phase, interest in forming a RAB will be solicited 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
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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

