

FY2016

1LT JOHN S TURNER USARC
Army Defense Environmental Restoration Program
Installation Action Plan

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Table of Contents

Statement Of Purpose.....	1
Acronyms.....	2
Installation Information.....	3
5-Year / Periodic Review Summary.....	4
Cleanup Program Summary.....	5
Installation Restoration Program.....	6
IRP Summary.....	7
IRP Contamination Assessment.....	8
IRP Previous Studies.....	9
Installation Restoration Program Site Descriptions.....	10
CT004-Site 05 Product in Groundwater.....	11
Installation Restoration Program Site Closeout (No Further Action) Sites Summary.....	12
IRP Schedule.....	13
Installation Restoration Program Milestones.....	13
IRP Schedule Chart.....	14

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 restoration manager, the 99th Regional Support Command (RSC), the US Army Environmental Command (USAEC), the Installation Management Command-Army Reserve Directorate (IMCOM-ARD), 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
CAP	Corrective Action Plan
CMI	Corrective Measures Implementation
CT	Connecticut
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
MW	Monitoring Well
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 Compounds
TAPP	Technical Assistance for Public Participation
TRC	Technical Review Committee
USAEC	US Army Environmental Command
USARC	US Army Reserve Command
UST	Underground Storage Tank
VOC	Volatile Organic Compounds

Installation Information

Installation Locale

Installation Size (Acreage): 5

City: Fairfield

County: Fairfield

State: Connecticut (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

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: Award a contract for a corrective action plan (CAP) and remedy for CT004-Site 5.

Future Plan of Action: Complete the CAP (i.e., the decision document (DD)) and, if needed, implement the remedy for CT004-Site 5.

1LT JOHN S TURNER USARC
Army Defense Environmental Restoration Program
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	UST REMOVAL NW OF MAINT. GARAGE	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): 202106/202106

Date of IRP completion including Long Term Management (LTM): 202106

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

During FY16 a contract was awarded for the performance and achievement of a CAP within 24 months. Once the CAP is completed an option for achieving remedy-in-place (RIP) or response complete (RC), within 30 months after the CAP may be engaged.

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.....	201803
IMP(C).....	201806.....	202106

RIP Date: N/A

RC Date: 202106

SITE DESCRIPTION

Three historical USTs were removed, and closure reports were 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 of six consecutive quarterly groundwater sampling events. The last sampling event occurred in October 2013.

Groundwater 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 monitoring well MW-02. Historically, this well has been the only well where SVOC and volatile organic compounds (VOC) analytes consistently recorded exceedances of regulatory criteria. During the October 2013 groundwater sampling event, approximately 0.5 to 1 inch of liquid-phase product was measured in MW-02. Product was not observed during any of the previous groundwater sampling events.

In FY16, a contract to perform all necessary CTDEEP compliance action to achieve a DD/CAP and, if needed, implement a remedy will be awarded to address the impacted groundwater. The development of the combined corrective measures implementation (CMI)/CAP is recommended in order to adhere to the regulatory guidelines of CTDEEP and Resource Conservation and Recovery Act (RCRA) Subtitle I.

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	1,000 AND 5,000 GALLON UST REMOVAL	198905	Tank Closure Report. Underground Storage Tank Removal. Weston. 16 October 1998.
SITE 02	UST REMOVAL NW OF MAINT. GARAGE	199112	Technical Report Underground Storage Tank Closure. ATEC Environmental Consultants. December 9, 1992.
SITE 03	1K GAL UST & SOIL REMOVAL AT GARAGE	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 - 1,000 AND 5,000 GALLON UST REMOVAL, SITE 02 - UST REMOVAL NW OF MAINT. GARAGE, SITE 03 - 1K GAL UST & SOIL REMOVAL AT GARAGE, SITE 04 - PAINT STORAGE)

1992

RA(C) (SITE 02 - UST REMOVAL NW OF MAINT. GARAGE)

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: 202106

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of IRP at Installation (including LTM phase): 202106

1LT JOHN S TURNER USARC IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY17	FY18	FY19	FY20	FY21	FY22+
CT004-Site 05	Product in Groundwater	CAP						
		IMP(C)						

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): 201603

Restoration Advisory Board (RAB): No

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

Additional Community Involvement Information

RAB solicitation has not yet occurred but is planned for FY17.

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

