

FY2012

1LT CHARLES L. WAPLES 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 US Army Environmental Command (USAEC), the 88th Regional Support Command (RSC), the Installation Management Command-Army Reserve Office (IMCOM-ARO), 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

AMSA	Area Maintenance Support Activity
AOC	Area of Concern
CR	Compliance Related
DD	Decision Document
FRA	Final Remedial Action
IDEM	Indiana Department of Environmental Management
IMCOM-ARO	Installation Management Command-Army Reserve Office
IR	Installation Restoration
IRA	Interim Removal Action
K	Thousand
LTM	Long Term Management
MR	Munitions Response
N/A	Not Applicable
NFA	No Further Action
NPL	National Priorities List
ODUSD (I&E)	Office of the Under Secretary of Defense for Installations and Environment
OMS	Organizational Maintenance Shop
PAH	Polycyclic Aromatic Hydrocarbon
RA(C)	Remedial Action (Construction)
RAB	Restoration Advisory Board
RC	Response Complete
RIP	Remedy-in-Place
ROD	Record of Decision
RSC	Regional Support Command
TAPP	Technical Assistance for Public Participation
TRC	Technical Review Committee
USARC	US Army Reserve Command

Acronym Translation Table

CERCLA

Preliminary Assessment(PA)

Remedial Investigation(RI)

Feasibility Study(FS)

Remedial Design(RD)

Remedial Action (Construction)(RA(C))

Remedial Action (Operation)(RA(O))

Long Term Management(LTM)

Interim Remedial Action(IRA)

RCRA Underground Storage Tank (UST) Site Phase Terms

= Initial Site Characterization(ISC)

= Investigation(INV)

= Corrective Action Plan(CAP)

= Design(DES)

= Implementation (Construction)(IMP(C))

= Implementation (Operations)(IMP(O))

= Long Term Management(LTM)

= Interim Remedial Action(IRA)

Installation Information

Installation Locale

Installation Size (Acreage): 3.28

City: Anderson

County: Madison

State: Indiana

Other Locale Information

1LT Charles L. Waples US Army Reserve Command (USARC) is located at 2828 Madison St, Anderson, IN 46016 and is home to the 88th RSC.

Installation Mission

The USARC and Area Maintenance Support Activity (AMSA) at 1LT Charles L. Waples USARC is currently occupied by the 88th RSC.

Lead Organization

Lead Executing Agencies for Installation

US Army Corps of Engineers, Omaha District Office

USAEC

88th RSC

Regulator Participation

Federal

US Environmental Protection Agency, Region V

State

Indiana Department of Environmental Management (IDEM)

National Priorities List (NPL) Status

1LT CHARLES L. WAPLES USARC 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

CR

Primary Contaminants of Concern: Other (BTEX), Polycyclic Aromatic Hydrocarbons (PAH)

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

The 1LT Charles L. Waples USARC consists of the buildings located on 3.278 acres of land. The USARC is located between residential neighborhoods to the northeast and a commercial/industrial district to the south and west. The facility is located on flat terrain with grass, trees and shrubs. In 1961, the facility was renovated with the expansion of the Reserve center and the construction of an Organizational Maintenance Shop (OMS). The US government owns the buildings and will lease the land from the city of Anderson until May 15, 2054.

Installation Program Cleanup Progress

CR

Prior Year Progress: Continue monitoring and free-product removal.

Future Plan of Action: Meet with regulators to determine the path forward. Will either close site as no further action (NFA) based on potential receptors, implement more aggressive remediation options, or continue monitoring.

1LT CHARLES L. WAPLES USARC
Army Defense Environmental Restoration Program
Compliance Restoration

CR Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count: 1/0

Installation Site Types with Future and/or Underway Phases

1 Underground Storage Tank
(CCIN001001)

Most Widespread Contaminants of Concern

Other (BTEX), Polycyclic Aromatic Hydrocarbons (PAH)

Media of Concern

Groundwater, Soil

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

Site ID	Site Name	Action	Remedy	FY
CCIN001001	UST	FRA	FREE PRODUCT RECOVERY	2007

Duration of CR

Date of CR Inception: 199701

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 200701/201309

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

CR Contamination Assessment

Contamination Assessment Overview

Environmental restoration activities include the Installation Restoration Program (IRP) and Military Munitions Response Program (MMRP). On Dec. 29, 2008, the Office of the Deputy Under Secretary of Defense for Installations and Environment, [ODUSD (I&E)], issued an interim policy for Defense Environmental Restoration Program (DERP) eligibility that rescinded the 1986 eligibility date for the IRP and the 2002 eligibility date for the MMRP. This made many sites previously addressed in the Army's Compliance-related Cleanup (CC) Program eligible for the DERP. Sites that are now eligible for the Munitions Response (MR) program have been migrated from Army Environmental Database - Compliance-related Cleanup (AEDB-CC) and given the naming convention of other MR sites. The newly eligible non-MR type sites are considered to be Installation Restoration (IR) sites; however, the newly eligible sites are being coded as CR in AEDB-R to distinguish them from the original IR sites and IR metrics.

A 6,000-gallon capacity heating oil underground storage tank (UST) located adjacent to the administration building is the source for contaminated soils and groundwater.

In 1997, the UST was unable to be removed without jeopardizing the foundation of the building. Consequently, the top of the UST was removed, and the contents of the tank and the surrounding backfill were removed. Approximately 60 cubic yards of soil and 1,500 gallons of liquids were removed from the UST. Soil samples collected contained elevated levels of both diesel- and gasoline-range organics. Subsequently, upon notification of these findings, IDEM initiated Incident No.1997-05-094.

In 1999, further testing showed that an area of contaminated soil, up to 18 feet deep, with elevated total petroleum hydrocarbons (TPH) concentrations were present near the former UST.

Samples taken concluded that groundwater was contaminated near the former UST excavation pit.

A supplemental site investigation (SI) was completed in 2004. The IDEM requested a remediation work plan, which was completed in 2005, and approved by IDEM in 2006.

Six recovery wells were installed in October 2006. The wells are bailed on a monthly basis for product recovery. Quarterly groundwater monitoring was initiated in 2007 and quarterly reports are submitted to IDEM. Twenty-one quarterly reports have been completed as of March 2012. Groundwater is analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) and polycyclic aromatic hydrocarbons (PAHs).

To date, no major receptors have been identified. Potential human exposure pathways are generally limited to construction or excavation activities. There are no potable or non-potable wells or other features that present a human exposure pathway to groundwater. Based upon site observations and preliminary data, there are no significant exposure pathways for habitat areas or ecological receptors. Free-product recovery has occurred at four wells (MW-01, RW-01, RW-05, and RW-06) in varying amounts throughout the monitoring period.

Cleanup Exit Strategy

Quarterly groundwater monitoring is expected to continue at the site through fiscal year (FY)13.

CR Previous Studies

2009	Title	Author	Date
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC JAN-MAR 2009 (10th Quarterly Rpt.)	Geo Consultants, LLC	APR-2009
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC APR-JUN 2009 (11th Quarterly Rpt.)	Geo Consultants, LLC	JUL-2009
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC JUL-SEP 2009 (12th Quarterly Rpt.)	Geo Consultants, LLC	OCT-2009
2010			
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC OCT-DEC 2009 (13th Quarterly Rpt.)	Geo Consultants, LLC	JAN-2010
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC JAN-MAR 2010 (14th Quarterly Rpt.)	Geo Consultants, LLC	APR-2010
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC APR-JUN 2010 (15th Quarterly Rpt.)	Geo Consultants, LLC	JUL-2010
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC JUL-SEP 2010 (16th Quarterly Rpt.)	Geo Consultants, LLC	OCT-2010
2011			
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC OCT-DEC 2010 (17th Quarterly Rpt.)	Geo Consultants, LLC	JAN-2011
	1LT Charles L. Waples USARC, Memorandum, Analysis of Historical Data and Justification for Closure	Geo Consultants, LLC	APR-2011
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC JAN-MAR 2011 (18th Quarterly Rpt.)	Geo Consultants, LLC	APR-2011
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC APR-JUN 2011 (19th Quarterly Rpt.)	Geo Consultants, LLC	AUG-2011
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC JUL-SEP 2011 (20th Quarterly Rpt.)	Geo Consultants, LLC	SEP-2011
2012			
	Quarterly Report for Remediation for Subsurface at 1LT Charles L. Waples USARC OCT-DEC 2011 (21st Quarterly Rpt.)	Geo Consultants, LLC	JAN-2012

1LT CHARLES L. WAPLES USARC

Compliance Restoration

Site Descriptions

STATUS

Regulatory Driver: RCRA

Contaminants of Concern: Other (BTEX), Polycyclic Aromatic Hydrocarbons (PAH)

Media of Concern: Groundwater, Soil

Phases	Start	End
ISC.....	199701.....	199712
INV.....	200303.....	200406
IMP(C).....	200610.....	200612
IMP(O).....	200701.....	201309

RIP Date: 200701

RC Date: 201309

SITE DESCRIPTION

This site is located at 2828 Madison Street, Anderson, IN. The US government acquired the site in 1957 for use as a US Army Reserve (USAR) training and mobilization center. Facility records indicate that a combat engineering company occupied the facility from the 1970s to about 1992. This company consisted of approximately 130 to 150 reservists who maintained several Jeeps, cargo trucks, front-end loaders, semi-tractor trailers, D7 dozers, and other military equipment at the facility.

In 1992, this company was deactivated, and since that time, the facility has housed three other military companies that own little or no military equipment. This facility consists of a fenced rectangular area, approximately 375 feet wide (east to west), and 425 feet north to south. The facility contains two permanent buildings; the larger, northernmost building is the administration building, and the smaller structure, located in the southeast corner of the facility, is the OMS.

A 6,000-gallon capacity heating oil UST located adjacent to the administration building is the source for contaminated soils and groundwater.

In 1997, the UST was unable to be removed without jeopardizing the foundation of the building. Consequently, the top of the UST was removed, and the contents of the tank, and the surrounding backfill, were removed.

Approximately 60 cubic yards of soil, and 1,500 gallons of liquids were removed from the UST.

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To date, no major receptors have been identified. Potential human exposure pathways are generally limited to construction or excavation activities. There are no potable or non-potable wells, or other features that present a human exposure pathway to groundwater. Based upon site observations and preliminary data, there are no significant exposure pathways for habitat areas or ecological receptors. Free-product recovery has occurred at four wells (MW-01, RW-01, RW-05, and RW-06) in varying amounts throughout the monitoring period. Quarterly groundwater sampling will continue through 2013. The Army will work with IDEM to attempt to terminate groundwater sampling in the future and institute land use controls (LUCs).

Site ID: CCIN001001
Site Name: UST

CLEANUP/EXIT STRATEGY

Quarterly groundwater monitoring is expected to continue at the site through FY13.

Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
There are no NFA sites			

CR Schedule

Date of CR Inception: 199701

Past Phase Completion Milestones

1998

ISC (CCIN001001 - UST)

2004

INV (CCIN001001 - UST)

2007

IMP(C) (CCIN001001 - UST)

Projected Phase Completion Milestones

See attached schedule

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates

Site ID	Site Name	ROD/DD Title	ROD/DD Date
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Final RA(C) Completion Date: 200612

Schedule for Next Five-Year Review: 2013

Estimated Completion Date of CR at Installation (including LTM phase): 201309

1LT CHARLES L. WAPLES USARC CR Schedule

 = phase underway

SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
CCIN001001	UST	IMP(O)						

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

This site is at remedy-in-place (RIP)/response complete (RC); therefore, there is no further requirement to solicit interest in a RAB.

Administrative Record is located at

88th RSC
60 South O Street
Fort McCoy, Wisconsin 54656
608.388.7518

Information Repository is located at

There is no Information Repository location at this time.

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

TAPP Title: N/A

Potential TAPP: N/A

