

FY2012

US ARMY GARRISON-DETROIT ARSENAL
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 Installation Management Command (IMCOM)-Northeast, the US Army Environmental Command (USAEC), US Army Garrison-Detroit Arsenal, 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 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

AOC	Area of Concern
AS	Air Sparging
BASEOP	Base Operations
BRAC	Base Realignment and Closure
CAP	Corrective Action Plan
DD	Decision Document
FRA	Final Remedial Action
IAP	Installation Action Plan
IMCOM	Installation Management Command
IRA	Interim Remedial Action
K	Thousand
LTM	Long-Term Management
MDNR	Michigan Department of Natural Resources
MIANG	Michigan Army National Guard
N/A	Not Applicable
NFA	No Further Action
NPL	National Priorities List
POL	Petroleum, Oil and Lubricants
RA	Remedial Action
RA(C)	Remedial Action (Construction)
RAB	Restoration Advisory Board
RC	Response Complete
RIP	Remedy-In-Place
ROD	Record of Decision
SANGB	Selfridge Air National Guard Base
TAPP	Technical Assistance for Public Participation
TBD	To Be Decided
TRC	Technical Review Committee
USAEC	US Army Environmental Command
USAG-DTA	US Army Garrison-Detroit Arsenal

Installation Information

Installation Locale

Installation Size (Acreage): 2

City: Mt. Clemens

County: Macomb

State: Michigan

Other Locale Information

The US Army Garrison-DTA site (CC-002) is located on the Selfridge Air National Guard Base (SANGB). The property is still on the Air Force Real Property Inventory.

Building 1533 and its associated parking lots and drainage area occupy approximately two acres.

Installation Mission

The Army previously used this site as a vehicle repair facility. Currently, the Army has no mission and the Border Patrol is occupying the facility; vehicles are parked here.

Lead Organization

IMCOM

Lead Executing Agencies for Installation

USACE-Louisville District

Regulator Participation

State MDNR

National Priorities List (NPL) Status

US ARMY GARRISON-DETROIT ARSENAL is not on the NPL

Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status

RAB established

Installation Program Summaries

CR

Primary Contaminants of Concern:

Affected Media of Concern:

5-Year / Periodic Review Summary

No 5-Year / Periodic Reviews have been scheduled

Cleanup Program Summary

Installation Historic Activity

In 1990, the Air Force issued a permit granting the Army use and occupancy of real property identified as Facility 1533, Vehicle Maintenance Shop, Air National Guard Base, Selfridge, Michigan. The term of occupancy was for five years from 1989 through 1994. The permit was silent with regards to the on-site underground storage tank (UST). In 1991, the Army, as user of the site UST, discovered that they were losing fuel and upon further investigation determined that the tank was leaking. Because there was no way to determine how long the leak had been occurring, the Army, as tenant at the site, took action and excavated the leaking tank.

Subsequently, the Army submitted notice of the release and contaminated soil conditions to the MDNR. The Army, as the tenant, subsequently funded a voluntary partial cleanup of the site; however, the responsibility and ramifications of assuming this task were not fully understood. Subsequent to the partial cleanup action, the Army petitioned the MDNR for site closure, but it was rejected. When the property transferred back to the Air Force, there was acknowledgement by both the Army and the Air Force that the site was contaminated and in need of further characterization and remediation.

Between discovery of the contamination and the present, the site has been extensively studied and an air-sparging (AS) system installed and operated to protect private residential drinking water wells near the base.

In 2011, despite not having a signed agreement, the Army was assigned responsibility for the site cleanup under the Installation Restoration Program (IRP).

Because of the length of time that the site has been in existence, and the lack of effort to reach a site decision regarding target cleanup levels, the first step will be outreach with MDNR to establish objectives and criteria for the site cleanup. Based on a 2010 final site investigation/corrective action plan (CAP) containing historic groundwater monitoring data, it is expected that MDNR will require additional groundwater monitoring to ensure that groundwater remediation is not compromised and is protective of the private residential drinking water wells.

The site and building structure are currently occupied and used by the Office of Homeland Security (Border Patrol) as an industrial/commercial site. The Border Patrol was granted use of this site by 127th Michigan Army National Guard (MIANG) Wing that controls this property. In order to fully characterize and remediate the site, it may be necessary to have the site and structure vacated.

Installation Program Cleanup Progress

CR

Prior Year Progress: Between discovery of the contamination and the present, the site has been extensively studied, and an air-sparging system has been installed and operated to protect private residential drinking water wells near the base. In 2011, despite not having a signed agreement, the Army was assigned responsibility for the site cleanup under the IRP.

Future Plan of Action: The plan is to work with MDNR to establish objectives and criteria for the site cleanup. It is expected that MDNR will require additional groundwater monitoring.

US ARMY GARRISON-DETROIT ARSENAL
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 Tank Farm
(CC-002)

Most Widespread Contaminants of Concern

Media of Concern

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

Site ID	Site Name	Action	Remedy	FY
CC-002	Building 1533 Diesel UST Gasoline UST	IRA	WASTE REMOVAL - SOILS	2003
CC-002	Building 1533 Diesel UST Gasoline UST	IRA	NATURAL ATTENUATION	2004
CC-002	Building 1533 Diesel UST Gasoline UST	IRA	SOIL VAPOR EXTRACTION	2004
CC-002	Building 1533 Diesel UST Gasoline UST	IRA	AIR SPARGING	2004
CC-002	Building 1533 Diesel UST Gasoline UST	IRA	NATURAL ATTENUATION	2004

Duration of CR

Date of CR Inception: 199212

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201906/202106

Date of CR completion including Long Term Management (LTM): 202306

CR Contamination Assessment

Contamination Assessment Overview

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 the Defense Environmental Restoration Program (DERP) eligibility that rescinded the 1986 eligibility date for the IRP and the 2002 eligibility date for the Military Munitions Response Program (MMRP). This made many sites previously addressed in the Army's Compliance-related Cleanup (CC) program eligible for the DERP. Sites which 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 Compliance Restoration (CR) in Army Environmental Database - Restoration (AEDB-R) to distinguish them from the original IR sites and IR metrics.

Environmental restoration activities at US Army Garrison-Detroit Arsenal (USAG-DTA) includes only one CR site.

Cleanup Exit Strategy

The Site Investigation (SI)/ CAP from 2010 is being reviewed by USAEC and USACE-Louisville and will be used as the basis for continuing work under a RCRA facility Investigation(RFI)/Corrective Measures Study (CMS).

CR Previous Studies

	Title	Author	Date
2010	Final Site Investigation/Corrective Action Plan, Bldg 1522	AMEC	MAR-2010

US ARMY GARRISON-DETROIT ARSENAL

Compliance Restoration

Site Descriptions

Site Name: Building 1533 Diesel UST Gasoline UST

STATUS

Regulatory Driver: RCRA
Contaminants of Concern: Petroleum, Oil and Lubricants (POL)
Media of Concern: Groundwater, Soil

Table with 3 columns: Phases, Start, End. Rows include RFA, CS, RFI/CMS, DES, IRA, CMI(C), CMI(O), LTM, RIP Date, and RC Date.

SITE DESCRIPTION

Building 1533 was a Nike missile site and support building. In 1990 the Air Force issued a permit granting the Army use and occupancy of real property identified as facility 1533, Vehicle Maintenance Shop, Air National Guard Base, Selfridge, Michigan. Subsequently, the Army submitted notice of the release and contaminated soil conditions to the MDNR. The site was previously listed as a CC site on the AEDB-CC compliance database; however, as of 2009 the Army chose to migrate all appropriate CC sites to the Army's AEDB-R database. Between discovery of the contamination and the present, the site has been extensively studied, and an AS system has been installed and operated to protect private residential drinking water wells near the base. Because of the length of time that the site has been in existence, and the lack of effort to reach a site decision regarding target cleanup levels, the first step will be outreach with MDNR to establish objectives and criteria for the site cleanup. Based on a 2010 final SI/CAP containing historic groundwater monitoring data, it is expected that MDNR will require additional groundwater monitoring to ensure that groundwater contamination is not compromised and is protective of the private residential drinking water wells. The site and building structure are currently occupied and used by the Office of Homeland Security (Border Patrol) as an industrial/commercial site.

Site ID: CC-002

Site Name: Building 1533 Diesel UST Gasoline UST

CLEANUP/EXIT STRATEGY

Because of the length of time that the site has been in existence, and the lack of effort to reach a site decision regarding target cleanup levels, the first step will be outreach with MDNR to establish objectives and criteria for the site cleanup. Based on a 2010 Final SI/ CAP containing historic groundwater monitoring data, it is expected that MDNR will require additional groundwater monitoring to ensure that groundwater contamination is not compromised and is protective of the private residential drinking water wells. The SI/CAP is currently under review by USAEC and is serving as the basis for future actions at USAG-Michigan.

Site Closeout (No Further Action) Summary

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

CR Schedule

Date of CR Inception: 199212

Past Phase Completion Milestones

1993

RFA (CC-002 - Building 1533 Diesel UST Gasoline UST)

2003

CS (CC-002 - Building 1533 Diesel UST Gasoline UST)

2004

IRA (CC-002 - Building 1533 Diesel UST Gasoline UST)

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: 201906

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of CR at Installation (including LTM phase): 202306

US ARMY GARRISON-DETROIT ARSENAL CR Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
CC-002	Building 1533 Diesel UST Gasoline UST	RFI/CMS						
		DES						
		CMI(C)						
		CMI(O)						
		LTM						

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): TBD

Restoration Advisory Board (RAB): RAB established

Name of Installation with RAB:

RAB Adjournment Date: N/A

RAB Adjournment Reason: None

Additional Community Involvement Information

There has never been a RAB covering the non-Base Realignment and Closure (BRAC) actions for USAG-DTA , including Site CC-002. Sampling of potable water wells will be required in the future and so additional community involvement will be required.

Administrative Record is located at

An administrative record will be established in 2012.

Information Repository is located at

An information repository will be established in 2012.

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

TAPP Title: N/A

Potential TAPP: N/A

