

CEIBA AFRC

Army Cleanup Program

Installation Action Plan Final
June 2024

TABLE OF CONTENTS

STATEMENT OF PURPOSE 3

INSTALLATION OVERVIEW 4

ACRONYMS 5

PHASE TRANSLATION TABLE 7

PROGRAM SUMMARY 8

SITE-LEVEL INFORMATION 9

RQ74A.1001_SWMU 73_DRMO10

SITE SUMMARY 12

SITE CLOSEOUT SUMMARY13

COMMUNITY INVOLVEMENT14

FIVE-YEAR / PERIODIC REVIEW SUMMARY15

STATEMENT OF PURPOSE

The Installation Action Plan (IAP) provides evidence that the Army is firmly committed to expeditious identification and cleanup of environmental contamination, and that the installation has a credible, organized program to carry out that commitment. The IAP provides an outline of the total multi-year environmental cleanup program for each site with ongoing or future planned restoration activity and includes the (1) environmental restoration requirements, (2) the rationale for the selected technical approach, and (3) foundation to develop corresponding financial needs for each cleanup site.

INSTALLATION OVERVIEW

Installation Name: CEIBA AFRC

Installation City: N/A

Installation County: Not assigned

Installation State: Puerto Rico

Regulatory Participation - Federal: USEPA Region II

Regulatory Participation - State: Commonwealth of Puerto Rico, Department of Environment & Natural Resources

ACRONYMS

Acronym	Definition
AFRC	Armed Forces Reserve Center
AOC	Administrative Order of Consent
ARC	Army Reserve Command
CC	Compliance-related Cleanup
CMI(C)	Corrective Measures Implementation (Construction)
CMI(O)	Corrective Measures Implementation (Operation)
CMS	Corrective Measures Study
CS	Confirmation Sampling
CRL	Cleanup Restoration & Liabilities
DES	Design
DON	Department of the Navy
DRMO	Defense Reutilization and Marketing Office
ENV	Environmental
HRS	Hazardous Ranking Score
IAP	Installation Action Plan
ID	Identification
IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MOA	Memorandum of Agreement
MR	Munitions Response
MRSP	Munitions Response Site Prioritization Protocol
NAPR	Naval Activity Puerto Rico
NPL	National Priorities List
NSRR	Naval Station Roosevelt Roads
PAH	Polycyclic Aromatic Hydrocarbons
RBC	Risk Based Concentrations
RAB	Restoration Advisory Board
RC	Response Complete
RD	Readiness Division
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RIP	Remedy-in-Place

Acronym	Definition
RRSE	Relative Risk Site Evaluation
SC	Site Closeout
SWMU	Solid Waste Management Unit
TAPP	Technical Assistance for Public Participation
USAG	United States Army Garrison
USAR	United States Army Reserve
USEPA	United States Environmental Protection Agency

PHASE TRANSLATION TABLE

CERCLA Phase	RCRA Phase	RCRA UST Phase
Preliminary Assessment (PA)	RCRA Facility Assessment (RFA)	Initial Site Characterization (ISC)
Site Inspection (SI)	Confirmation Sampling (CS)	Investigation (INV)
Remedial Investigation/ Feasibility Study (RI/FS)	RCRA Facility Investigation/Corrective Measures Study (RFI/CMS)	Corrective Action Plan (CAP)
Remedial Design (RD)	Design (DES)	Design (DES)
Interim Remedial Action (IRA)	Interim Measure (IM)	Interim Remedial Action (IRA)
Remedial Action (Construction) (RA(C))	Corrective Measures Implementation (Construction) (CMI(C))	Implementation (Construction) (IMP(C))
Remedial Action (Operations) (RA(O))	Corrective Measures Implementation (Operations) (CMI(O))	Implementation (Operations) (IMP(O))
Long-Term Management (LTM)	Long-Term Management (LTM)	Long-Term Management (LTM)

PROGRAM SUMMARY

Number of Open Sites with Response Complete/Total Open IR Sites: 0/1

Number of Open Sites with Response Complete/Total Open MR Sites: 0/0

Number of Open Sites with Response Complete/Total Open CC Sites: 0/0

SITE-LEVEL INFORMATION

RQ74A.1001_SWMU 73_DRMO

Env Site ID: SWMU 73

Cleanup Site: DRMO

Alias: #

Regulatory Driver: RCRA-C

RIP Date: 11/15/2026

RC Date: 11/15/2026

RC Reason: Not assigned

SC Date: 11/16/2026

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: Not assigned

Hazardous Ranking Score: 0

RRSE:

MRSPP: N/A

Phase	Start	End
RFA:	7/15/2004	7/15/2005
CS:	--	--
RFI/CMS:	1/15/2008	11/15/2026
DES:	--	--
IRA:	--	--
CMI(C):	--	--
CMI(O):	--	--
LTM:	--	--

Site Narrative: CEIBA Armed Forces Reserve Center (AFRC) Solid Waste Management Unit (SWMU) 73 was reopened to address US Environmental Protection Agency (USEPA) concerns regarding unfinished corrective measure study (CMS) requirements. Naval Activity Puerto Rico (NAPR), formerly known as Naval Station Roosevelt Roads (NSRR), occupies over 8,800 acres on the northern side of the east coast of Puerto Rico. The installation is located in the town of Ceiba, approximately 35 miles southeast of San Juan and five miles south of Fajardo. The Installation was commissioned as a Naval Operational Base in 1943 and was re-designated as the NSRR in 1957. The NSRR was permanently closed in March 2004, at which point it was designated NAPR. The Department of the Navy (DON) retained jurisdiction, custody, and control of the Facility until 2009. During this time, the DON was the permittee for the property on the Resource Conservation and Recovery Act (RCRA) Permit, RCRA 02-2007-7301. Subsequently, it entered into an RCRA 7003 Administrative Order of Consent (AOC) No. 02-2007-7301, which replaced the permit and set out the Navy's corrective action obligations under the permit. The DON transferred Areas 55 and 63 at the NAPR, approximately 53.77 acres of land, to US Army Garrison (USAG) Fort Buchanan in September 2009. The transfer was contingent upon the Army's acceptance of the Memorandum of Agreement (MOA) between the DON and the Army, effective Aug. 22, 2008. The MOA established the terms and conditions under which the Army will take the lead to complete certain investigations, remediation, and related document preparation activities necessary to obtain "regulatory closure" of SWMU 73 under the AOC. The US Army transferred the property from USAG Fort Buchanan to the US Army Reserve, 81st Readiness Division (RD) as part of an internal reorganization in November 2012. SWMU 73 is approximately nine acres in size and is located inside of the loop formed by the three roads at NAPR - Breton Road, Antietam Road and Barnes Street. SWMU 73 primarily served as the scrap metal recycling yard for the Defense Reutilization and Marketing Office (DRMO) with active operations during the 1970s through 2004. Based on the Revised Draft Corrective Measures Study prepared by Army Public Health Command dated Feb. 02, 2011, SWMU 73, the former DRMO scrap metal yard, had confirmed releases of hazardous substances. Groundwater and soil sampling were conducted from 2008 through 2011. Polycyclic aromatic hydrocarbons (PAH) pesticides, and arsenic were identified above

residential risk-based concentrations (RBC) in un-delineated areas. Benzo(a)pyrene was identified above industrial RBCs. Vanadium was identified in the groundwater above the tap water RBC. However, the concentration is attributed to leaching from naturally occurring sources containing high levels of vanadium. In 2012, the USEPA determined that the US Army Reserve's (USAR) CMS was complete and considered final, as memorialized in the USEPA Consent Order No. 02-2007-7301. SWMU 73 is considered a controlled recognized environmental condition because it contains land use controls including prohibition of disturbance of the soil, use for residential purposes and groundwater use. Groundwater is not used as a drinking water or potable water source on NAPR because of low yield, salinity, and brackishness. For more than 30 years, NAPR has sourced drinking water and potable water from a water treatment plant that receives raw water from the Rio Blanco. In addition, the Caribbean Sea borders NAPR on all downgradient sides, therefore, groundwater is not used as a drinking water or potable water source downgradient of the site. Additionally, the USAR proposed to construct an approximately 1-acre paved parking lot over the portion of SMWU 73 where the DRMO was located. The pavement was to consist of an 8-in asphalt layer intended to preclude potential exposure to areas of localized, un-delineated pesticide residue in the soil. Following the USEPA's 2012 approval of the CMS, the USAR's proposed plans to construct a parking lot over SWMU 73 changed; the USAR proposed to construct and operate a 650-kilowatt photovoltaic system to supply the Roosevelt Roads Army Reserve Command /AFRC with electric power instead. The cleanup/exit strategy at Ceiba AFRC will be to complete the RCRA Facility Investigation (RFI)/CMS phase. Based on the information gathered during the RFI/CMS phase, a remedial action will be selected if necessary. The site remains under the jurisdiction of the Secretary of Defense, managed under RCRA, and work will be conducted in consultation with the USEPA, Region II, and the Puerto Rico Department of Natural and Environmental Resources, which has been delegated responsibility for the program in the Territory of Puerto Rico.

SITE SUMMARY

SITE CLOSEOUT SUMMARY

None

COMMUNITY INVOLVEMENT

Community Involvement Plan (Date Last Reviewed):	N/A
Technical Review Committee Establishment Date:	N/A
Restoration Advisory Board (RAB) Establishment Date:	N/A
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Reasons for Not Establishing RAB:	There are no outstanding cleanup issues or activities.
RAB Date of Solicitation from Community:	N/A
RAB Results of Solicitation:	N/A
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A
Administrative Record Location:	N/A
Information Repository Location:	N/A

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Status	Review Type	Start Date	End Date	Plans Narrative	Actions Narrative	Results Narrative
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A