

JFHQ RQ ARNG

Army Cleanup Program

Installation Action Plan

2023

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ACRONYMS

Acronym	Definition
AEDB-R	Army Environmental Database - Restoration
ARNG	Army National Guard
BMF	Boat Maintenance Facility
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CMS	Corrective Measures Study
DD	Decision Document
ENV	Environmental
FS	Feasibility Study
HQAES	Headquarters Army Environmental System
IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MRSP	Munitions Response Site Prioritization Protocol
N/A	Not Applicable
NSRR	Naval Station Roosevelt Road
PA	Preliminary Assessment
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy-In-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
SWMU	Solid Waste Management Unit
TAPP	Technical Assistance for Public Participation

Acronym	Definition
TRC	Technical Review Committee
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
WBS	Work Breakdown Structure

PHASE TRANSLATION TABLE

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

SITE ALIAS LIST

HQAES ID	AEDB-R Reference	Site Alias
6913A.1005	CCRQBMF-001-01_Boat Maintenance Facility	SWMU 76

JFHQ RQ ARNG

INSTALLATION RESTORATION PROGRAM SITES

CCRQBMF-001-01_Boat Maintenance Facility

HQAES ID: 6913A.1005

Alias: SWMU 76

Regulatory Driver: RCRA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 2/4/2024

RC Date: 2/4/2024

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

<i>Phases</i>	<i>Start</i>	<i>End</i>
RFA	4/30/2004	7/31/2005
CS	--	--
RFI/CMS	6/30/2011	2/4/2024
DES	--	--
IM	--	--
CMI(C)	--	--
CMI(O)	--	--
LTM	--	--

Site Narrative

Building 2300, located on the former Naval Station Roosevelt Road (NSRR) was transferred to the (U.S. Army Reserve as a Boat Maintenance Facility, and was later transferred to the Army National Guard (ARNG), through a lease agreement with the US Army Corps of Engineers, in January 2011. The site is located within the waterfront area near the former NSRR main fueling pier. The on-site building was constructed around 1990 still functions as a painting and stripping (hydro-blasting) operation. No historical information is known regarding the location where petroleum, paint, or solvent wastes were stored, or how and where waste paint (liquids as well as solids, such as chips) were managed. The area around Building 2300 is predominantly industrial and included fuel storage and port operations. Forrestal Drive is located approximately 175 feet to the north, while an associated boat launch into the Ensenada Honda is located approximately 225 feet to the south. Building 2300 also is located near 2 storm water sewers that discharge to the Ensenada Honda through Outfalls 010 and 011. Outfall 010 discharges storm water originating north of Building 2300, while Outfall 011 discharges storm water originating from a portion of Solid Waste Management Unit (SWMU) 76. Painting and stripping (i.e. hydro blasting) operations are conducted at Building 2300, within an open-end maintenance bay, with openings along a northeast-southwest axis. The southeast and northwest walls of the maintenance bay are flanked by office space. The maintenance bay walls themselves are solid, with no opening to the outside environment. Building 2300 includes two trench drains built into the concrete floor of the maintenance bay. One trench drain runs the entire length of the northeast bay opening, while the second trench drain runs the entire length of the southwest bay opening. Both trench drains, designed to prevent storm water run-off from entering the bay openings, are connected to an oil-water separator located on the southeast side of the Building 2300. The oil-water separator discharges to a sanitary sewer system (SWMU 38) that conveys wastewater to a National Pollutant Discharge Elimination System-permitted sanitary wastewater treatment plant. A corrective action complete determination, without controls, has been made for SWMU 38 in a letter from the United States Environmental Protection Agency (USEPA) dated January 27, 2009. It is suspected that dispersion of paint (including metal-based paint) and eroded metal particles from the surface of boats (during the hydro- blasting operations) could have occurred, with deposition onto surface soils adjacent to

the maintenance bay openings. It is also suspected that materials associated with painting and stripping operations may have entered the trench drains located at the maintenance bay openings. A March 2004 Draft Phase I Environmental Condition of Property (ECOP) identified new sites at NSRR, which included the Boat Maintenance Facility (BMF) and in April 2004 a Phase II ECOP field investigation was performed to collect environmental samples. The Final Phase I/ II ECOP Report recommended additional sampling at several sites to permit a more detailed assessment. However, the decision was made the Navy not to investigate the BMF based on this site remaining under the ownership of the Federal Government. A Resource Conservation and Recovery Act (RCRA) Facility Investigation and report was completed in August 2013 on the BMF, specifically SWMU-76 by ARNG. Following the recommendations of the RCRA Facility Investigation findings, a RCRA Corrective Measures Study (CMS) was performed and completed in February 2016. A site closeout document will be completed and the site is expected to close in 2021. Statement of Basis completed Feb. 4, 2022 recommended no additional action. Site was closed in FY22, however reopened in August 2023 to address comments on the statement of basis sent by the state regulator

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date	Program Code
6913A.1001	PRHQ-001-R-01_NDNODS Camp Arecibo	9/30/2012	ENV Restoration, Army
6913A.1002	PRHQ-002-R-01_NDNODS Camp Roosevelt	9/30/2012	ENV Restoration, Army
6913A.1003	PRHQ-003-R-01_NDNODS Polytechnic Institute	9/30/2012	ENV Restoration, Army
6913A.1004	PRHQ-004-R-01_Ponce Target Range	9/30/2012	ENV Restoration, Army

COMMUNITY INVOLVEMENT

Technical Review Committee (TRC) Establishment Date:	N/A
Community Involvement Plan (Date Published):	N/A
Restoration Advisory Board (RAB) Establishment Date:	A RAB was previously established by the Navy. This site falls under that RAB.
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Additional Community Involvement:	N/A
Administrative Record is located at:	Puerto Rico National Guard ATTN: CFMO (Marisol Díaz) 552 Borinqueneer TRL Fort Buchanan, Puerto Rico 00934
Information Repository is located at:	Puerto Rico National Guard ATTN: CFMO (Marisol Díaz) 552 Borinqueneer TRL Fort Buchanan, Puerto Rico 00934
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Review Summary Table

None

ROD/DDs associated with the last Five-Year/Periodic Review

None

Results, Actions & Plans

None

LAND USE CONTROLS (LUC) SUMMARY

None

ARMY AVIATION SUPPORT FACILITY AASF

Army Cleanup Program

Installation Action Plan

2023

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ACRONYMS

Acronym	Definition
AASF	Army Aviation Support Facility
AEDB-R	Army Environmental Database - Restoration
AOI	Area of Interest
CC	Compliance-Related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
DD	Decision Document
ENV	Environmental
FS	Feasibility Study
HQAES	Headquarters Army Environmental System
IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
Ng/L	Nanograms/Liter
PA	Preliminary Assessment
PFAS	Per-and poly-fluoroalkyl substances
PFBS	Perfluorobutane sulfonic acid
PFH _x S	Perfluorohexane sulfonate
PFNA	Perfluorononanoic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonate
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design

Acronym	Definition
RI	Remedial Investigation
RIP	Remedy-In-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
SL	Screening level
UST	Underground Storage Tank
WBS	Work Breakdown Structure

PHASE TRANSLATION TABLE

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

SITE ALIAS LIST

HQAES ID	AEDB-R Reference	Site Alias
6843A.1001	CCPR2020-01-P_AASF PFAS CONTAMINATION	

ARMY AVIATION SUPPORT FACILITY AASF

COMPLIANCE CLEANUP SITES

CCPR2020-01-P_AASF PFAS CONTAMINATION

HQAES ID: 6843A.1001

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 1/1/2032

RC Date: 1/1/2032

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	3/20/2020
SI	8/17/2020	9/15/2024
RI/FS	1/15/2025	1/1/2032
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A Preliminary Assessment (PA) was completed at Army Aviation Support Facility (AASF) San Juan to assess potential per- and poly-fluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. One area of interest (AOI) related to a potential PFAS release was identified at the AASF during the PA. Based on the possible PFAS releases at the AOI, there is potential for exposure to PFAS contamination in surface soil to site workers and trespassers via ingestion and inhalation; in subsurface soil to construction workers via ingestion and inhalation; and in surface water and sediment to construction workers and off-facility recreational users via ingestion. Potential off-facility PFAS release areas also exist adjacent to the AASF. A Draft Final Site Inspection (SI) was completed in July 2023. Based on the SI, perfluorooctanoic acid (PFOA), perfluorooctane sulfonate (PFOS), perfluorononanoic acid (PFNA), and perfluorohexane sulfonate (PFHxS) exceeded the screening levels (SL) in groundwater at AOI1 as well as the facility boundary. Perfluorobutane sulfonic acid (PFBS) also was detected at the facility boundary. PFHxS exceeded the SL of 39 nanograms/Liter (ng/L) with a maximum concentration of 46 ng/L. PFNA exceeded the SL of 6 ng/L with a maximum concentration of 9 ng/L. PFOS exceeded the SL of 4 ng/L with a maximum concentration of 83 ng/L. PFOA exceeded the SL of 6 ng/L with a maximum concentration of 49 ng/L. Based on the results of the SI, further evaluation is warranted at AOI1 in a Remedial Investigation (RI).

Restoration/Cleanup Strategy: A SI is underway at the site. An RI/Feasibility Study (FS) will be completed at this site. Further actions cannot be determined until after the RI/FS is complete.

SITE CLOSEOUT SUMMARY

None

COMMUNITY INVOLVEMENT

Technical Review Committee (TRC) Establishment Date:	N/A
Community Involvement Plan (Date Published):	TBD
Restoration Advisory Board (RAB) Establishment Date:	N/A
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Additional Community Involvement:	Community involvement Plan, Administrative Record and Information Repository will be developed once the project progresses.
Administrative Record is located at:	TBD
Information Repository is located at:	TBD
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Review Summary Table

None

ROD/DDs associated with the last Five-Year/Periodic Review

None

Results, Actions & Plans

None

LAND USE CONTROLS (LUC) SUMMARY

None

CAMP SANTIAGO

Army Cleanup Program

Installation Action Plan

2023

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ACRONYMS

Acronym	Definition
AEDB-R	Army Environmental Database - Restoration
AOI	Area of Interest
CC	Compliance-Related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
DD	Decision Document
ENV	Environmental
FS	Feasibility Study
HQAES	Headquarters Army Environmental System
IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MR	Munitions Response
MRSP	Munitions Response Site Prioritization Protocol
Ng/L	Nanograms/Liter
PA	Preliminary Assessment
PFAS	Per-and poly-fluoroalkyl substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonate
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy-In-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation

Acronym	Definition
SI	Site Inspection
SL	Screening level
Ug/kg	Microgram/kilogram
UST	Underground Storage Tank
WBS	Work Breakdown Structure

PHASE TRANSLATION TABLE

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

SITE ALIAS LIST

HQAES ID	AEDB-R Reference	Site Alias
RQ577.1005	CCPR2020-02-P_CAMP SANTIAGO JM TC PFAS CONTAMINATION	- -

CAMP SANTIAGO

COMPLIANCE CLEANUP SITES

CCPR2020-02-P_CAMP SANTIAGO JM TC PFAS CONTAMINATION

HQAES ID: RQ577.1005

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 9/30/2038

RC Date: 9/30/2038

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	3/20/2020
SI	8/17/2020	12/31/2023
RI/FS	9/30/2031	9/30/2038
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A Preliminary Assessment (PA) was completed at the Camp Santiago Joint Maneuver Training Center to assess potential per- and poly-fluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. Two Areas of Interest (AOI) related to potential PFAS releases were identified at the Camp Santiago during the PA. Based on the preliminary Conceptual Site Model developed for the AOI, there is potential for PFAS to be exposed to human receptors as a result of releases at Camp Santiago.

A Draft Site Inspection (SI) was completed at this site. During the SI planning, an additional AOI was identified. Based on the results of the SI, perfluorooctane sulfonate (PFOS) exceeded the screening level (SL) in surface soil with a concentration of 42 microgram/kilogram ($\mu\text{g}/\text{kg}$) at AOI 3. Perfluorooctanoic acid (PFOA) exceeded the SL in groundwater with a concentration of 10 nanograms/liter (ng/L) at AOI 3. Based on the results of the SI, further evaluation of AOI 3 is warranted in a Remedial Investigation (RI).

Restoration/Cleanup Strategy: An RI/Feasibility Study (FS) will be completed at this site. Further actions cannot be determined until after the RI/FS is complete.

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date	Program Code
RQ577.1001	CPSAN-01_LANDFILL 0.5 MI NW OF CANTONEME	5/31/1993	ENV Restoration, Army
RQ577.1002	CPSAN-02_ABANDONED OMS	5/31/1993	ENV Restoration, Army
RQ577.1003	CPSAN-03_PESTICIDE STORAGE/MIXING BLDG.	5/31/1993	ENV Restoration, Army
RQ577.1004	CPSAN-04_AERIAL BOMBING/WEAPONS IMPACT R	5/31/1992	ENV Restoration, Army

COMMUNITY INVOLVEMENT

Technical Review Committee (TRC) Establishment Date:	N/A
Community Involvement Plan (Date Published):	TBD
Restoration Advisory Board (RAB) Establishment Date:	N/A
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Additional Community Involvement:	Community Involvement Plan, Administrative Record and Information Repository will be developed as the project progresses.
Administrative Record is located at:	TBD
Information Repository is located at:	TBD
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Review Summary Table

None

ROD/DDs associated with the last Five-Year/Periodic Review

None

Results, Actions & Plans

None

LAND USE CONTROLS (LUC) SUMMARY

None

FORT ALLEN

Army Cleanup Program

Installation Action Plan

2023

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ROD/DDs associated with the last Five-Year/Periodic Review.....	9
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Land Use Controls (LUC) Summary.....	10

ACRONYMS

Acronym	Definition
AASF	Army Aviation Support Facility
AEDB-R	Army Environmental Database - Restoration
AOI	Area of Interest
CC	Compliance-Related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
DD	Decision Document
ENV	Environmental
FS	Feasibility Study
HQAES	Headquarters Army Environmental System
IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
Ng/L	Nanograms/Liter
PA	Preliminary Assessment
PFAS	Per-and poly-fluoroalkyl substances
PFHxS	Perfluorohexane sulfonate
PFNA	Perfluorononanoic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonate
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design

Acronym	Definition
RI	Remedial Investigation
RIP	Remedy-In-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
SL	Screening level
UST	Underground Storage Tank
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PHASE TRANSLATION TABLE

HQAES Phase ID	CERCLA Phase	RCRA Phase	RCRA UST Phase
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.02	Site Inspection (SI)	Confirmation Sampling (CS)	Investigation (INV)
.03	Remedial Investigation/ Feasibility Study (RI/FS)	RCRA Facility Investigation/Corrective Measures Study (RFI/CMS)	Corrective Action Plan (CAP)
.04	Remedial Design (RD)	Design (DES)	Design (DES)
.05	Interim Remedial Action (IRA)	Interim Measure (IM)	Interim Remedial Action (IRA)
.06	Remedial Action (Construction) (RA(C))	Corrective Measures Implementation (Construction) (CMI(C))	Implementation (Construction) (IMP(C))
.07	Remedial Action (Operation) (RA(O))	Corrective Measures Implementation (Operation) (CMI(O))	Implementation (Operation) (IMP(O))
.08	Long-Term Management (LTM)	Long-Term Management (LTM)	Long-Term Management (LTM)

SITE ALIAS LIST

HQAES ID	AEDB-R Reference	Site Alias
1104A.1012	CCPR2020-03-P_FORT ALLEN PFAS CONTAMINATION	

FORT ALLEN

COMPLIANCE CLEANUP SITES

CCPR2020-03-P_FORT ALLEN PFAS CONTAMINATION

HQAES ID: 1104A.1012

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/30/2032

RC Date: 9/30/2032

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	3/20/2020
SI	8/17/2020	9/30/2023
RI/FS	9/30/2025	9/30/2032
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A Preliminary Assessment (PA) was completed at Fort Allen to assess potential per- and poly-fluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. One Area of Interest (AOI) related to potential PFAS releases was identified at the Fort Allen during the PA. Based on the preliminary Conceptual Site Model developed for the AOI, there is potential for PFAS to be exposed to human receptors as a result of releases at Fort Allen.

A Draft Site Inspection (SI) was completed at this site. Based on the results of this SI, further evaluation is warranted for AOI 1. At AOI 1, perfluorooctanesulfonic acid (PFOS), perfluorooctanoic acid (PFOA), perfluorononanoic acid (PFNA), and perfluorohexanesulfonic acid (PFHxS) concentrations exceeded the screening level (SL) in groundwater in one temporary well with maximum concentrations of 540 nanograms/Liter (ng/L), 240 ng/L, 120 ng/L, and 190 ng/L, respectively. PFOS exceeded the SL in all six temporary well locations, with PFOA exceeding the SL in three of the six locations. Based on the results of the SI, further investigation is warranted at AOI 1 in a Remedial Investigation (RI).

Restoration/Cleanup Strategy: An RI/Feasibility Study (FS) will be completed at this site. Further actions cannot be determined until after the RI/FS is complete.

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date
1104A.1001	SITE 01_FORMER NAVY LANDFILL	10/31/1999
1104A.1002	SITE 02_INS LANDFILL	1/31/1997
1104A.1003	SITE 03_OMS 9	1/31/1997
1104A.1004	SITE 04_SEWAGE TREATMENT PLANT	1/31/1997
1104A.1005	SITE 05_DIESEL FUEL UST	1/31/1997
1104A.1006	SITE 06_GASOLINE USTS	1/31/1997
1104A.1007	SITE 07_PAINT BUILDING	1/31/1997
1104A.1008	SITE 08_STORAGE/MIXING OF PESTICIDES/HER	1/31/1997
1104A.1009	SITE 09_ELECTRICAL TRANSFORMERS	1/31/1997
1104A.1010	FTAL-001-R-01_MULTI-PURPOSE RANGE	5/31/2003
1104A.1011	FTAL-002-R-01_WEST FT. ALLEN	9/30/2008

COMMUNITY INVOLVEMENT

Technical Review Committee (TRC) Establishment Date:	N/A
Community Involvement Plan (Date Published):	TBD
Restoration Advisory Board (RAB) Establishment Date:	N/A
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Additional Community Involvement:	Community involvement Plan, Administrative Record and Information Repository will be developed once the project progresses.
Administrative Record is located at:	TBD
Information Repository is located at:	TBD
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Review Summary Table

None

ROD/DDs associated with the last Five-Year/Periodic Review

None

Results, Actions & Plans

None

LAND USE CONTROLS (LUC) SUMMARY

None

VEGA BAJA READINESS CENTER

Army Cleanup Program

Installation Action Plan

2023

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ACRONYMS

Acronym	Definition
AASF	Army Aviation Support Facility
AEDB-R	Army Environmental Database - Restoration
AOI	Area of Interest
CC	Compliance-Related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
DD	Decision Document
ENV	Environmental
FS	Feasibility Study
HQAES	Headquarters Army Environmental System
IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
Ng/L	Nanograms/Liter
PA	Preliminary Assessment
PFAS	Per-and poly-fluoroalkyl substances
PFNA	Perfluorononanoic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonate
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy-In-Place

Acronym	Definition
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
SL	Screening level
UST	Underground Storage Tank
WBS	Work Breakdown Structure

PHASE TRANSLATION TABLE

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

SITE ALIAS LIST

HQAES ID	AEDB-R Reference	Site Alias
RQB40.1001	CCPR2020-04-P_VEGA BAJA READINESS CENTER PFAS CONTAMINATION	

VEGA BAJA READINESS CENTER

COMPLIANCE CLEANUP SITES

CCPR2020-04-P_VEGA BAJA READINESS CENTER PFAS CONTAMINATION

HQAES ID: RQB40.1001

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 1/1/2032

RC Date: 1/1/2032

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	3/20/2020
SI	8/17/2020	9/15/2024
RI/FS	1/1/2025	1/1/2032
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A Preliminary Assessment (PA) was completed at Vega Baja Readiness Center to assess potential per- and poly-fluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. Three areas of interest (AOI) related to potential PFAS releases were identified during the PA. Based on the possible PFAS releases at the AOIs, there is potential for exposure to PFAS contamination in surface soil to site workers, construction workers, and trespassers via ingestion and/or inhalation of dust; subsurface soil to construction workers via ingestion and/or inhalation; surface water to off-facility recreational users via ingestion; and groundwater to off-facility residents via ingestion. Several potential adjacent sources of PFAS releases to the environment outside of the Puerto Rico Army National Guard property boundary were also identified within a 4-mile radius of the facility. A Draft Site Inspection (SI) was completed May 2023. AT AOI2, in groundwater, perfluorooctane sulfonate (PFOS) exceeded the screening level (SL) of 4 nanograms/Liter (ng/L) with a maximum exceedance of 8.6 ng/L and perfluorooctanoic acid (PFOA) exceeded the SL of 6 ng/L with a maximum exceedance of 8.3 ng/L. At AOI3, in groundwater, PFOA exceeded the SL of 6 ng/L with a maximum exceedance of 280 ng/L, PFOS exceeded the SL of 4 ng/L with a maximum exceedance of 8 ng/L, and perfluorononanoic acid (PFNA) exceeded the SL of 6 ng/L with a maximum exceedance of 25 ng/L. Based on the results of the SI, Remedial Investigation (RI) is warranted at AOI2 and AOI3.

Restoration/Cleanup Strategy: A SI is underway at the site. An RI/Feasibility Study (FS) will be completed at this site. Further actions cannot be determined until after the RI/FS is complete.

SITE CLOSEOUT SUMMARY

None

COMMUNITY INVOLVEMENT

Technical Review Committee (TRC) Establishment Date:	N/A
Community Involvement Plan (Date Published):	TBD
Restoration Advisory Board (RAB) Establishment Date:	N/A
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Additional Community Involvement:	Community involvement Plan, Administrative Record and Information Repository will be developed once the project progresses.
Administrative Record is located at:	TBD
Information Repository is located at:	TBD
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Review Summary Table

None

ROD/DDs associated with the last Five-Year/Periodic Review

None

Results, Actions & Plans

None

LAND USE CONTROLS (LUC) SUMMARY

None