

JFHQ NV ARNG

Army Cleanup Program

Installation Action Plan

2023

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ACRONYMS

Acronym	Definition
AEDB-R	Army Environmental Database - Restoration
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
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
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
6907A.1003	CC_NVHQ-001-R-01_NDNODS YERINGTON TRAINING SITE	RRNV000001

JFHQ NV ARNG

COMPLIANCE CLEANUP SITES

CC_NVHQ-001-R-01_NDNODS YERINGTON TRAINING SITE

HQAES ID: 6907A.1003

Alias: RRRV000001

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 1/9/2023

RC Date: 1/9/2023

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	4/15/2007	9/15/2009
SI	1/15/2010	9/15/2012
RI/FS	1/15/2013	6/15/2018
RD	6/15/2018	6/15/2019
IRA	--	--
RA(C)	6/15/2018	1/09/2023
RA(O)	--	--
LTM	1/10/2023	1/10/2054

Site Narrative

The 4,430 -acre Yerington Training Site is transferred and is located in Lyon County, Nevada. The former training site lies within an undeveloped area and extended from north to south adjacent to White Mountain and Black Mountain. The Munitions Response Site was used by the different units of the Nevada Army National Guard (NVARNG) through the 1990s for field training, bivouac, drivers training, lane training, and compass course training. Site Inspection (SI) field work was conducted in 2011. A few burned 40 millimeter (mm) grenades, inert fuzes from a 40 mm grenade, empty flare tubes and various small arms debris were found. Eleven samples were collected from the site. The samples were analyzed for antimony, copper, lead, zinc, and explosives. Analytical results detected metals in all of the composite and discrete (ambient) soil samples, but all concentrations were below their respective United States Environmental Protection Agency Regional Screening Levels. Explosive constituents were not detected in any of the composite samples. This site is a former maneuver and training area without an existing backstop berm or berm-like structure. Known use of the site was for more than 10 years. The Remedial Investigation (RI)/Feasibility Study (FS), Remedial Design (RD) and Remedial Action (Construction) (RA(C)) phases were funded at this site. Defense Environmental Restoration Plan funding was used to complete work through the SI at this site. Non Department of Defense Non-Operational Defense Sites (NDNODS) sites moving forward with the RI/FS phase are reprogrammed into Compliance-related Cleanup.

Restoration/Cleanup Strategy: The CTC estimate for this site assumes Long Term Management (LTM) operations and maintenance and five-year reviews.

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date	Program Code
6907A.1001	NVHQ-001-R-01_NDNODS YERINGTON TRAINING SITE	9/15/2012	Compliance Cleanup
6907A.1002	NVA50-001-R-01_NDNODS HENDERSON SMALL ARMS RANGE	9/15/2012	Compliance Cleanup
6907A.1004	CC_NVHQ-001-R-02_NDNODS YERINGTON TRAINING SITE	1/15/2017	Compliance Cleanup

COMMUNITY INVOLVEMENT

Technical Review Committee (TRC) Establishment Date:	N/A
Community Involvement Plan (Date Published):	04/15/2015
Restoration Advisory Board (RAB) Establishment Date:	N/A
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Additional Community Involvement:	N/A
Administrative Record is located at:	Environmental Program Manager NVARNG 2460 Fairview Drive Carson City, NV 89701
Information Repository is located at:	Environmental Program Manager NVARNG 2460 Fairview Drive Carson City, NV 89701
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

AASF N C-12 TEMP HANGAR 8

Army Cleanup Program

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ACRONYMS

Acronym	Definition
AASF	Army Aviation Support Facility
AEDB-R	Army Environmental Database - Restoration
AFFF	Aqueous film forming foam
AOI	Area of Interest
CC	Compliance-Related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
DD	Decision Document
DERP	Defense Environmental Restoration Program
ENV	Environmental
FS	Feasibility Study
FY	Fiscal Year
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 polyfluoroalkyl substances
PFHxS	Perfluorohexane sulfonate
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RC	Response Complete
RCRA	Resource Conservation and Recovery Act

Acronym	Definition
RD	Remedial Design
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
32A71.1002	NV2020-02-P_AASF N C-12 TEMP HANGAR 8_PFAS CONTAMINATION	

AASF N C-12 TEMP HANGAR 8

INSTALLATION RESTORATION PROGRAM SITES

NV2020-02-P_AASF N C-12 TEMP HANGAR 8_PFAS CONTAMINATION

HQAES ID: 32A71.1002

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 9/15/2030

RC Date: 9/15/2030

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	7/27/2020
SI	8/17/2020	09/30/2023
RI/FS	9/15/2023	9/15/2030
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A Preliminary Assessment (PA) was completed at Army Aviation Support Facility (AASF) N C-12 TEMP HANGAR 8 to assess potential per-and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. One area of interest (AOI) related to a potential PFAS release was identified at the Reno AASF based on PA data. Based on the potential for aqueous film forming foam (AFFF) releases and or leaks at this AOI, there is potential for exposure to PFAS contamination in airborne soil particulate and ingestion of surface soil to site and construction workers, and subsurface soils to construction workers via inhalation and ingestion.

A Draft Site Inspection (SI) was completed at this site. During the SI planning the AOI identified during the PA was split into two AOIs to better manage the SI effort. AOI 1 is the Former Firetruck Bay and Rotary Wing Parking Area, and AOI 2 is Stockpiled Soils. Based on the results of the SI, further investigation is warranted at AOI 1; no further action is warranted at AOI 2. In groundwater at AOI 1, perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS), and perfluorohexane sulfonate (PFHxS) were detected at concentrations exceeding the screening levels (SLs), with maximum concentrations of 20 nanograms/Liter (ng/L), 67 ng/L, and 54 ng/L, respectively.

The subject site was tracked as 32A71.1001 under the Compliance Cleanup (CC) program. In Fiscal Year (FY) 23, this site was determined to be eligible under the Defense Environmental Restoration Program (DERP).

Restoration/Cleanup Strategy: An RI/Feasibility Study (FS) will be completed at this site. The RI is expected to be funded in FY23. FS costs will require future funding. Further actions cannot be determined until after the RI/FS is complete.

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date	Program Code
32A71.1001	NV2020-02-P_AASF N C-12 TEMP HANGAR 8_PFAAS CONTAMINATION	4/23/2023	Compliance Cleanup

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

AASF LAS VEGAS CHEYENNE

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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
PA	Preliminary Assessment
PFAS	Per-and polyfluoroalkyl substances
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
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.08	Long-Term Management (LTM)	Long-Term Management (LTM)	Long-Term Management (LTM)

SITE ALIAS LIST

HQAES ID	AEDB-R Reference	Site Alias
32A67.1001	CCNV2020-01-P_AASF LAS VEGAS CHEYENNE_PFAS CONTAMINATION	

AASF LAS VEGAS CHEYENNE

COMPLIANCE CLEANUP SITES

CCNV2020-01-P_AASF LAS VEGAS CHEYENNE_PFAS CONTAMINATION

HQAES ID: 32A67.1001

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2025

RC Date: 6/15/2030

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	7/27/2020
SI	8/17/2020	9/15/2025
RI/FS	--	--
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A Preliminary Assessment (PA) was completed at Army Aviation Support Facility (AASF) Las Vegas Cheyenne to assess potential per-and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. One area of interest (AOI) related to a PFAS release was identified at the Cheyenne AASF, based on PA data. Based on the potential for aqueous film forming foam (AFFF) release at this AOI, there is potential for exposure to PFAS contamination in airborne soil particulate and surface soils to trespassers, site and construction workers via inhalation and ingestion, and in subsurface soil to construction workers.

Restoration/Cleanup Strategy: A Site Inspection (SI) is underway at the site. At this time no other actions are planned. Once validated sampling results are received, future actions will be evaluated.

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