

CONCORD MUNICIPAL AIRPORT

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
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
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
NHARNG	New Hampshire Army National Guard
OSD	Office of Secretary of Defense
PA	Preliminary Assessment
PFAS	Per- and Polyfluoroalkyl Substances
PFNA	Perfluorononanoic Acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
RAB	Restoration Advisory Board
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
SMR	State Military Reservation
TAPP	Technical Assistance for Public Participation
TRC	Technical Review Committee
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
4148A.1002	NH2020-01-P_CONCORD PFAS CONTAMINATION	- -

CONCORD MUNICIPAL AIRPORT

INSTALLATION RESTORATION PROGRAM SITES

NH2020-01-P_CONCORD PFAS CONTAMINATION

HQAES ID: 4148A.1002

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2036

RC Date: 9/15/2036

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

Phases	Start	End
PA	6/18/2018	11/26/2019
SI	8/17/2020	7/30/2023
RI/FS	9/15/2029	9/15/2036
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

The Army Aviation Support Facility (AASF), operated by the New Hampshire ARNG (NHARNG), encompasses approximately 26 acres in Concord, New Hampshire. The AASF is located at 26 Regional Drive in Concord, Merrimack County, New Hampshire. The facility is near the southeastern city limits, east of Interstate 93 and south of Interstate 393. The area surrounding the AASF includes residential and commercial properties to the north, the Concord Municipal Airport to the south, commercial and light industrial properties to the east, and additional portions of the Concord Municipal Airport and the NHARNG State Military Reservation (SMR) to the west. Conservation/Public Lands are located approximately 0.45 miles to the southeast, adjoining the Soucook River. Operations at the AASF include aviation training and maintenance, modification, and repair of rotary-winged aircraft.

A Preliminary Assessment (PA) was completed at AASF Concord to assess potential per- and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. Three areas of interest (AOIs) related to PFAS releases were identified at the AASF Concord during the PA. Based on actual and potential aqueous film forming foam (AFFF) releases at these AOIs, there is a potential for exposure to PFAS contamination in media at or near the facility.

Site Inspection (SI) field activities were performed in May and June 2022. SI sampling results were compared to Office of Secretary of Defense (OSD) Screening Levels (SLs). All three AOIs were determined to warrant further evaluation in the form of a Remedial Investigation (RI). Based on exceedances of perfluorooctanesulfonic acid (PFOS) SLs in soil and perfluorononanoic acid (PFNA) and perfluorooctanoic acid (PFOA) groundwater exceedances of SLs, further evaluation of AOI 1 was warranted. Based on the exceedance of PFOA SLs in groundwater, further evaluation of AOI 2 was warranted. Based on the exceedances of PFNA and PFOA SLs in groundwater, further evaluation of AOI 3 was warranted.

The subject site was tracked as 4148A.1001 under the Compliance-related Cleanup (CC) program. In March 2023, the site became Defense Environmental Restoration Program (DERP)-eligible.

Cleanup Strategy: A RI/Feasibility Study (FS) is required. At this time, no other actions are planned. Once validated sampling results are received, future actions will be evaluated.

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date	Program Code
4148A.1001	CCNH2020-01-P_CONCORD PFAS CONTAMINATION	4/29/2023	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 all 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

STATE MILITARY RESERVATION

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
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
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
NHARNG	New Hampshire Army National Guard
OSD	Office of Secretary of Defense
PA	Preliminary Assessment
PFAS	Per- and Polyfluoroalkyl Substances
PFHxS	Perfluorohexanesulfonic Acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonic Acid
RAB	Restoration Advisory Board
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
SMR	State Military Reservation
TAPP	Technical Assistance for Public Participation
TRC	Technical Review Committee
UST	Underground Storage Tank
WBS	Work Breakdown Structure

PHASE TRANSLATION TABLE

HQAES Phase ID	CERCLA Phase	RCRA Phase	RCRA UST Phase
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.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
4147A.1002	NH2020-02-P_SMR PFAS CONTAMINATION	--

STATE MILITARY RESERVATION

INSTALLATION RESTORATION PROGRAM SITES

NH2020-02-P_SMR PFAS CONTAMINATION

HQAES ID: 4147A.1002

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 9/15/2036

RC Date: 9/15/2036

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

Phases	Start	End
PA	4/23/2016	11/26/2019
SI	8/17/2020	7/30/2023
RI/FS	9/15/2029	9/15/2036
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

The State Military Reservation (SMR) is located at 1 Minuteman Way in Concord, Merrimack County, New Hampshire, approximately 0.5 miles north-northwest from the Concord Municipal Airport terminal. The Facility property occupies approximately 50 acres on the east side of the Merrimack River, near the southeastern city limits, east of Interstate 93, and south of Interstate 393. The property was originally known in the late 1800s as the State Military Campground for the New Hampshire State Militia; additionally, it was known in 1886 as "Camp Langdon." In 1885, the State of New Hampshire entered into a 99-year lease with the City of Concord for use and development of the grounds on which the National Guard trained. Additional parcels of the property were deeded or leased to the City of Concord in 1911, 1937, 1942, and 1954, and the State of New Hampshire formally acquired the property in 1959. The property is currently owned by the State of New Hampshire and is used for state operations of the New Hampshire Army National Guard (NHARNG). The SMR currently serves as the headquarters for the NHARNG. Facilities at the SMR include a warehouse, a maintenance shop, Joint Force Offices, the Concord Armory, and a Civil Support Teams building. An Army Aviation Support Facility (AASF) was located at the SMR in Building K from the 1960s to 2004.

A Preliminary Assessment (PA) was completed at SMR to assess potential per- and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. Two areas of interest (AOIs) related to a PFAS releases were identified at the site during the PA. Based on actual and potential aqueous film-forming foam (AFFF) releases at these AOIs, there is a potential for exposure to PFAS contamination in media at or near the facility.

Site Inspection (SI) field activities were performed in May and June 2022. SI sampling results were compared to Office of Secretary of Defense (OSD) Screening Levels (SLs). Based on exceedances of the SLs in soil and groundwater, further evaluation at one of the AOIs, AOI 1, is warranted in the form of a Remedial Investigation (RI). Perfluorooctane sulfonic acid (PFOS) was detected in surface soil and Perfluorohexanesulfonic acid (PFHxS), Perfluorooctanoic acid (PFOA), and PFOS were detected in groundwater at concentrations above their SLs.

The subject site was tracked as 4147A.1001 under the Compliance-related Cleanup (CC) program. In March 2023, the site became Defense Environmental Restoration Program (DERP)-eligible.

Cleanup Strategy: A RI/Feasibility Study (FS) is required. At this time, no other actions are planned. Once validated sampling results are received, future actions will be evaluated.

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date	Program Code
4147A.1001	CCNH2020-02-P_SMR PFAS CONTAMINATION	4/29/2023	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 all 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

TRAINING SITE

Army Cleanup Program

Installation Action Plan

2023

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IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
NHARNG	New Hampshire Army National Guard
NHNGTS	New Hampshire National Guard Training Site
PA	Preliminary Assessment
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
RAB	Restoration Advisory Board
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RC	Response Complete
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.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
33A12.1002	NH2020-03-P_TRAINING SITE PFAS CONTAM	- -

TRAINING SITE

INSTALLATION RESTORATION PROGRAM SITES

NH2020-03-P_TRAINING SITE PFAS CONTAM

HQAES ID: 33A12.1002

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2031

RC Date: 9/15/2031

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	4/23/2016	12/16/2019
SI	8/17/2020	7/30/2023
RI/FS	9/15/2024	9/15/2031
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

The New Hampshire National Guard Training Site (NHNGTS) occupies approximately 104.7 acres of land in Center Strafford in the Lakes Region of New Hampshire. Center Strafford is located approximately 7.5 miles southwest of Rochester, New Hampshire, and 24 miles northwest of Portsmouth, New Hampshire. Parker Mountain of the Blue Hill Range is located north of the Facility and Bow Lake is located several miles to the southwest. The Isinglass River is located several miles southeast. The Facility is accessible from Austin Cate Drive from the south, off Parker Mountain Road (Route 126).

The Facility was originally developed in 1833 as a boarding school under the name Strafford Union Academy. In the early 1900s, the school changed its name to the Austin Cate Academy and underwent several improvements over the course of the century. In 1985, the property was sold to the State of New Hampshire. Currently, the NHNGTS property is owned by the State of New Hampshire and operated by both the New Hampshire Army National Guard (NHARNG), and state employees who are personnel of the State of New Hampshire Department of Military Affairs and Veterans Services.

A Preliminary Assessment (PA) was completed at NHNGTS to assess potential per- and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. One area of interest (AOI) related to PFAS releases was identified at the site during the PA. Based on the potential PFAS releases at this AOI, there is potential for exposure to PFAS contamination in media at or near the facility.

Site Inspection (SI) field activities were performed in May 2021. After the SI fieldwork was completed, NHARNG determined that the former leach field was located southwest (and upgradient) of the current leach field. Based on this new information, one additional potential PFAS release area was identified, AOI 2: Former Leach Field. Two groundwater samples were collected upgradient of AOI 1, and perfluorooctanoic Acid (PFOA) was detected in groundwater with a concentration exceeding the screening level (SL) at the most upgradient location. The detections in the groundwater at locations upgradient of AOI 1 may be related to the former leach field (AOI 2), an unidentified on-Facility source, or a potential off-Facility source not under control of Army National Guard. Based on these results, further

evaluation is warranted for the area upgradient of AOI 1 in a Remedial Investigation (RI). Investigation of AOI 2 was not conducted during the SI and will be investigated as part of the RI as well.

The subject site was tracked as 33A12.1001 under the Compliance-related Cleanup (CC) program. In March 2023, the site became Defense Environmental Restoration Program (DERP)-eligible.

Cleanup Strategy: A RI/Feasibility Study (FS) is required. At this time, no other actions are planned. Once validated sampling results are received, future actions will be evaluated.

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date	Program Code
33A12.1001	CCNH2020-03-P_TRAINING SITE PFAS CONTAM	4/29/2023	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 all 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