

JFHQ GA ARNG

Army Cleanup Program

Installation Action Plan

2023

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ACRONYMS

Acronym	Definition
AEDB-R	Army Environmental Database - Restoration
AFB	Air Force Base
AFP6	Air Force Plant 6
BRAC	Base Realignment and Closure
CC	Compliance-Related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CNGC	Clay National Guard Center
DERP	Defense Environmental Restoration Program
DD	Decision Document
EFR	Enhanced Fluid Recovery
ENV	Environmental
FS	Feasibility Study
GAARNG	Georgia Army National Guard
GAEPD	Georgia Environmental Protection Division
HQAES	Headquarters Army Environmental System
IRP	Installation Restoration Program
IRA	Interim Remedial Action
ISB	Enhanced In-situ Bioremediation
JFHQ	Joint Force Headquarters
LNAPL	Light Non-aqueous Phase Liquid
LTM	Long-Term Management
LUC	Land Use Control
MCL	Maximum Contaminant Level
MNA	Monitored Natural Attenuation
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
NDNODS	Non-DoD Owned, Non-Operational Defense Sites
NAS	Naval Air Station

Acronym	Definition
PA	Preliminary Assessment
ppb	parts per billion
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RAO	Remedial Action Objective
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RFI	RCRA Facility Investigation
RI	Remedial Investigation
RIP	Remedy-In-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SEE	Steam-Enhanced Extraction
SI	Site Inspection
SSI	Supplemental Site Investigation
SWMU	Solid Waste Management Unit
UST	Underground Storage Tank
UU/UE	Unrestricted Use/Unlimited Exposure
VEG	Vapor Energy Generator
VOC	Volatile Organic Compound
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

WBS Element	AEDB-R Reference	Site Alias
6883A.1003	CC-CLAY-001-01_New JFHQ/Old Bulk Fuel Fa	CLAY-CR1
6883A.1004	CC-CLAY-002-01_Eastern Boundary TCE Plum	CLAY-CR2
6883A.1007	CC_GAC95-001-R-01_NDNODS Rome National G	RRGAC95001

JFHQ GA ARNG

INSTALLATION RESTORATION PROGRAM SITES

CC-CLAY-001-01_New JFHQ/Old Bulk Fuel Farm

HQAES ID: 6883A.1003

Alias: CLAY-CR1

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 10/1/2027

RC Date: 9/30/2042

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	1/31/1996	6/30/1996
SI	1/31/1997	5/31/1997
R/FS	7/31/2010	9/30/2024
RD	10/1/2024	9/30/2025
IRA	3/15/2014	3/15/2022
RA(C)	10/1/2025	9/30/2027
RA(O)	10/1/2027	9/30/2042
LTM	--	--

Site Narrative

Naval Air Station (NAS) Atlanta (Marietta) was constructed in 1959 and was jointly occupied by Dobbins Air Force Base (AFB) and the Lockheed Company. The Army accepted the property in an 'as is where is condition' in October 2009 and assumed liability for the environmental condition of the property.

A June 2009 Phase II Soil and Groundwater Investigation Report for the proposed Joint Force Headquarters (JFHQ) construction footprint identified benzene contamination in groundwater above the Georgia Environmental Protection Division (GAEPD) regulatory threshold (OCGA 12-5-170 ref 391-3-5.18). The highest concentration in groundwater was 42 parts per billion (ppb) (5 ppb Maximum Contaminant Level (MCL)).

An Interim Remedial Action (IRA) using the Vapor Energy Generator (VEG) for contaminated soils was completed in March 2022. Concentrations were reduced to levels allowing for unrestricted use/unlimited exposure (UU/UE). Significant light non-aqueous phase liquid (LNAPL) recovery volumes have been achieved during the IRA. A draft Feasibility Study (FS) was completed in February FY22 to address the residual contamination remaining at the former dispenser area.

Cleanup/Exit Strategy The remedial alternative most likely to be selected is Soil Option 3- Excavation and off-site Disposal and Groundwater Option 3 – LNAPL Recovery via Thermally Enhanced Fluid Recovery (EFR), Enhanced In-situ Bioremediation (ISB) and Monitored Natural Attenuation (MNA).

CC-CLAY-002-01_Eastern Boundary TCE Plume

HQAES ID: 6883A.1004

Alias: CLAY-CR2

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 10/1/2024

RC Date: 10/1/2028

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	9/30/2005	12/31/2005
SI	1/31/2007	1/31/2008
RI/FS	7/31/2010	12/31/2020
RD	9/1/2021	9/10/2022
IRA	--	--
RA(C)	9/1/2021	10/1/2024
RA(O)	10/1/2024	10/1/2028
LTM	--	--

Site Narrative

The Clay National Guard Center (CNGC) is located in Cobb County, Georgia, between the cities of Marietta and Smyrna, northwest of Atlanta. CNGC was formerly known as the NAS Atlanta prior to November 9, 2005 when the Base Realignment and Closure (BRAC) closed NAS Atlanta.

NAS Atlanta was constructed in 1959 and was jointly occupied by Dobbins AFB and Air Force Plant 6 (AFP6). The Army accepted the property in an 'as is where is condition' in October 2009 and assumed liability for the environmental condition of the property.

Two Installation Restoration Program (IRP) sites have been identified at CNGC, the Bulk Fuel Facility and the Eastern Boundary TCE Plume.

As part of a continuing Phase III Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at Lockheed Martin Aeronautics Company, AEM assessed groundwater at several locations on the AFP6 South Campus between May and September 2005 (AEM, 2005a). One of these areas, Solid Waste Management Unit (SWMU) 83, is located near the eastern property boundary of CNGC. AEM reported groundwater concentrations at SWMU 83 in excess of MCLs for benzene and chlorinated solvents (AEM, 2005b). A surface drainage feature, an unnamed tributary of Poor House Creek, runs parallel to the property boundary. Groundwater samples from two temporary monitoring wells west of the drainage feature contained the refrigerant 1,1,2-trichloro-1,2,2-trifluoroethane (Freon), which was not detected within the main SWMU 83 plume. AEM assumed this was a separate plume emanating from the former NAS Atlanta property. In a memorandum dated Oct. 28, 2005, the GAEPD identified groundwater impacts on Lockheed Martin Aeronautics Company property associated with potential contaminant migration from an alleged source on CNGC property (GA EPD, 2005).

A Supplemental Site Investigation (SSI) was performed in March 2012. Chlorinated volatile organic compounds (VOCs) exceeding MCLs were detected in monitoring wells that extended to the eastern CNGC boundary. Based on the results of the SSI, a Remedial Investigation/Feasibility Study (RI/FS) was initiated in FY12 to determine the nature and extent of VOCs at the eastern CNGC boundary.

The RI/FS phase is completed and the Record of Decision (ROD) was signed on 31 December, 2020. The selected remedial alternative is 8a from the ROD: In-situ Steam-Enhanced Extraction (SEE), monitoring and land use controls (LUCs). The remedial action was funded and a contract was awarded in September 2021 to design and implement the remedy.

Cleanup/Exit Strategy The strategy is to perform In-situ SEE, groundwater monitoring and LUCs until remedial action objectives (RAOs) are achieved, which is stated in the ROD as a duration of five years.

JFHQ GA ARNG

COMPLIANCE CLEANUP SITES

CC_GAC95-001-R-01_NDNODS Rome National Guard Armory – Small Arms / Practice Munitions Range

HQAES ID: 6883A.1007

Alias: RRGAC95001

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 1/15/2035

RC Date: 1/15/2035

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	4/30/2007	9/30/2009
SI	7/31/2010	9/30/2012
RI/FS	1/15/2028	10/15/2033
RD	11/15/2033	12/15/2034
IRA	--	--
RA(C)	1/15/2034	1/15/2035
RA(O)	--	--
LTM	--	--

Site Narrative

The Rome National Guard Armory - Small Arms / Practice Munitions Range Complex - Closed is comprised of the closed portions of the 1,000-Inch Rifle and Practice Munitions Range and the .50-Caliber Demonstration Area. The 1,000-Inch Rifle and Practice Munitions Range is located in an undeveloped clearing on property owned and operated by the Georgia Army National Guard (GAARNG). The former range was used for Annual Weapons Qualifications and was also used for training with practice grenade launchers. The impact area is located just east of what is now State Route #1 Loop/Rome Bypass. The estimated period of usage was from 1980 to 1995. The .50-Caliber Demonstration Area firing was the site of a fire power demonstration that occurred in 1955, prior to the construction of the armory building. During the demonstration, .50-caliber ammunition was fired from the current armory location and was directed southeast into the face of an embankment. The impact area is located just east of the Rome Bypass and southeast of the 1,000-Inch Rifle and Practice Munitions Range impact area. Munitions usage for the Small Arms / Practice Munitions Range Complex included 5.56-millimeter M16, 7.62-millimeter M14, and .45-caliber, and .50-caliber ammunition as well as M781 practice grenades. M781 practice grenades contain orange dye powder. The 46-acre complex includes the closed portions of the overlapping boundaries of both ranges.

Defense Environmental Restoration Program (DERP) funding was used to complete work through the Site Inspection (SI) phase at this site. Non-DoD Owned, Non-Operational Defense Sites (NDNODS) moving forward with the Remedial Investigation/Feasibility Study (RI/FS) phase are reprogrammed into Compliance-related Cleanup (CC).

Cleanup/Exit Strategy An RI/FS will be completed at this site. Once the RI/FS is completed it is assumed a soil excavation will be required.

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date
6883A.1001	GAHQ-001-R-01_NDNODS Avondale Rifle Rang	9/30/2012
6883A.1002	GAC95-002-R-01_NDNODS Rome NG Armory Ran	9/30/2012
6883A.1005	GAHQ-002-R-01_NDNODS Camp Northen Target	9/30/2016
6883A.1006	GAC95-001-R-01_NDNODS Rome NG Arm. Range	9/15/2012

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:	Clay National Guard Center CFMO-ENV-C, Bldg 70 1000 Halsey Avenue Marietta, GA 30060
Information Repository is located at:	Clay National Guard Center CFMO-ENV-C, Bldg 70 1000 Halsey Avenue Marietta, GA 30060
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

GENERAL LUCIUS D CLAY NGC

Army Cleanup Program

Installation Action Plan

2023

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ACRONYMS

Acronym	Definition
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
DoD	Department of Defense
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
MRSPP	Munitions Response Site Prioritization Protocol
NGC	National Guard Center
PA	Preliminary Assessment
PFAS	Per- and Polyfluoroalkyl Substances
PFBS	Perfluorobutanesulfonic acid
PFHxS	Perfluorohexanesulfonic acid
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

Acronym	Definition
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
SL	Screening Level
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

WBS Element	AEDB-R Reference	Site Alias
6932A.1002	GA2020-01-P_GEN LUC D CLAY NGC PFAS CONT	--

GENERAL LUCIUS D CLAY NGC

INSTALLATION RESTORATION PROGRAM SITES

GA2020-01-P_GEN LUC D CLAY NGC PFAS CONT

HQAES ID: 6932A.1002

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/30/2031

RC Date: 9/30/2031

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	2/14/2020
SI	12/6/2019	9/15/2023
RI/FS	10/1/2024	9/30/2031
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A Preliminary Assessment (PA) was completed at General Lucius D. Clay National Guard Center (NGC) to assess potential per- and poly- fluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. Four Areas of Interest (AOIs) related to potential PFAS releases were identified at Clay NGC during the PA. Based on potential historical aqueous film forming foam (AFFF) 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 inhalation; surface water and sediment to site workers, construction workers, trespassers, and off-facility residents via ingestion; subsurface soil to construction workers via ingestion; and groundwater to construction workers via ingestion. Potential off-facility PFAS release areas exist adjacent to the Clay NGC. Because these areas include property upgradient of the facility, it is unknown whether or not the off-facility sources affect the Clay NGC.

A Site Inspection (SI) was performed and the final SI report was issued in April 2023. The final SI report concludes that further investigations are warranted at four AOIs and site-wide locations with a remedial investigation and feasibility study (RI/FS), based on the following analytical results:

- AOI 1 – Perfluorooctanoic acid (PFOA) and perfluorohexane sulfonate (PFHxS) were detected in groundwater samples at concentrations in excess of their respective screening levels (SLs).
- AOI 2 – PFOA, perfluorooctane sulfonate (PFOS), perfluorobutanesulfonic acid (PFBS), and PFHxS were detected in groundwater samples in excess of their respective SLs. PFOS was detected in surface soil at two locations and at the shallow subsurface at one location at concentrations above SLs.
- AOI 3 – PFOA, PFOS, PFHxS, and perfluorononanoic acid (PFNA) in groundwater exceeded their respective SLs. PFOS in surface soil exceeded the SL at this location.
- AOI 4 – PFOA, PFOS, and PFHxS in groundwater exceeded their respective SLs.

The subject site was tracked as 6932A.1001 under the Compliance-related Cleanup (CC) program through the SI phase. In June 2022, this site was determined to be eligible for the Defense Environmental Restoration Program (DERP). The RI/FS will proceed under the DERP.

Cleanup/Exit Strategy An RI/FS will be completed at this site. Once the RI/FS is completed, future actions will be evaluated.

SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date
6932A.1001	CCGA2020-01-P_Gen Luc D Clay NGC PFAS CO	6/16/2022

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

WINDER BRW ARPT

Army Cleanup Program

Installation Action Plan

2023

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ACRONYMS

Acronym	Definition
AEDB-R	Army Environmental Database - Restoration
AASF	Army Aviation Support Facility
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
DoD	Department of Defense
ENV	Environmental
FS	Feasibility Study
GAARNG	Georgia Army National Guard
HQAES	Headquarters Army Environmental System
IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MRSPP	Munitions Response Site Prioritization Protocol
NGC	National Guard Center
ng/L	Nanograms per liter
PA	Preliminary Assessment
PFAS	Per- and Polyfluoroalkyl Substances
PFBS	Perfluorobutanesulfonic acid
PFHxS	Perfluorohexanesulfonic acid
PFNA	Perfluorononanoic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
RAB	Restoration Advisory Board

Acronym	Definition
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
RSL	Regional Screening Level
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
SL	Screening Level
TAPP	Technical Assistance for Public Participation
TRC	Technical Review Committee
USEPA	U. S. 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

WBS Element	AEDB-R Reference	Site Alias
13D85.1002	GA2020-03-P_WINDER BARROW AASF PFAS CONT	- -

WINDER BRW ARPT

INSTALLATION RESTORATION PROGRAM SITES

GA2020-03-P_WINDER BARROW AASF PFAS CONT

HQAES ID: 13D85.1002

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/30/2029

RC Date: 9/30/2029

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	2/14/2020
SI	5/10/2020	6/21/2022
RI/FS	9/30/2022	9/30/2029
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

The Winder Barrow Army Aviation Support Facility (AASF) is in Barrow County near Winder, Georgia, at the Barrow County Airport. The AASF is north of Atlanta Highway, west of Bowman Mill Road, south of Highway 82, and east of Picklesimon Road. The communities of Bethlehem, Winder, Statham, Bogart, Auburn, and Dacula, Georgia lie within 15 miles of the AASF. The AASF is constructed on a 32.9-acre parcel of land owned by the Georgia Army National Guard (GAARNG) since 1967. The AASF includes several buildings, two hangars, and three ramp areas. There are no deluge fire suppression systems in the Winder Barrow AASF hangar spaces.

A Preliminary Assessment (PA) was completed at Winder Barrow AASF to assess potential per- and poly-fluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. There are a total of five Areas of Interest (AOIs) that are now identified at the site. Two Areas of Interest (AOIs) related to potential PFAS releases were identified at Winder Barrow AASF during the PA. An additional three AOIs were identified since the PA based on historic aqueous film forming foam (AFFF) storage. Based on potential PFAS releases at these AOIs, there is potential for exposure to PFAS contamination in surface soil to site workers, construction workers, and trespassers via ingestion and inhalation of dust; surface water and sediment to site workers, construction workers, trespassers, and off-facility recreational users via ingestion; and subsurface soil to construction workers via ingestion.

A Site Inspection (SI) was performed in July 2021. Field activities included collection of soil and groundwater samples. The final SI report was issued in June 2022. Results in groundwater at all AOIs exceeded the updated U.S. Environmental Protection Agency (USEPA) PFAS regional screening levels (RSLs) issued 18 May 2022. Perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS), perfluorobutanesulfonic acid (PFBS), perfluorohexanesulphonic acid (PFHxS), and perfluorononanoic acid (PFNA) in groundwater exceeded their respective individual SLs at AOIs 1 with maximum concentrations of 62,700 nanograms per liter (ng/L) PFOS, 1,740 ng/L PFOA, 1,220 ng/L PFBS, 2,250 ng/L PFHxS, and 1,020 ng/L PFNA. PFOS, PFOA, PFHxS, and PFNA in groundwater exceeded their respective individual SLs at AOIs 2,4, and AOI 3, PFOA and PFHxS concentrations exceeded

groundwater SLs. Based on the results of the SI, all AOIs warrant further evaluation in the Remedial Investigation (RI).

The subject site was tracked as 13D85.1001 under the Compliance-related Cleanup (CC) program. In June 2022, the site became Defense Environmental Restoration Program (DERP)-eligible. The contract for the RI was awarded at the end of FY22.

Cleanup/Exit Strategy A RI/Feasibility Study (FS) is needed at this site. The RI was awarded at the end of FY22 and is underway. 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
13D85.1001	CCGA2020-03-P_Winder Barrow AASF PFAS CO	6/16/2022

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