

JFHQ WV 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
DERP	Defense Environmental Restoration Program
FS	Feasibility Study
HQAES	Headquarters Army Environmental System
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MC	Munitions Constituents
MEC	Munitions and Explosives of Concern
MRS	Munitions Response Site
MRSP	Munitions Response Site Prioritization Protocol
NDNODS	Non-Department of Defense Owned, Non-Operational Defense Sites
N/A	Not Applicable
PA	Preliminary Assessment
PP	Proposed Plan
RAB	Restoration Advisory Board
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
UST	Underground Storage Tank
TAPP	Technical Assistance for Public Participation
TBD	To Be Determined
TRC	Technical Review Committee
WBS	Work Breakdown Structure
WVARNG	West Virginia Army National Guard

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
6925A.1010	CC_WVHQ-006-R-01_NDNODS PARKERSBURG RANGE	--
6925A.1011	CC_WVHQ-002-R-01_NDNODS SWEENEYSBURG RANGE	--

JFHQ WV ARNG

COMPLIANCE CLEANUP SITES

CC_WVHQ-006-R-01_NDNODS PARKERSBURG RANGE

HQAES ID: 6925A.1010

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	4/15/2007	9/15/2009
SI	7/1/2010	9/30/2012
RI/FS	1/1/2019	3/31/2024
RD	1/1/2027	9/30/2030
IRA	--	--
RA(C)	1/1/2027	9/30/2032
RA(O)	--	--
LTM	--	--

Site Narrative

Parkersburg Range Munitions Response Site (MRS) is located at 1623 County Highway 28/2 (White Oak Run Road) Walker, West Virginia. Letters between West Virginia Army National Guard (WVARNG) and United States Army Corps of Engineers indicate the property was leased to WVARNG for usage as a small arms range between 1956 and 1962. The leased property was located 17 miles east of Parkersburg. The target berm is 55 yards long, and approximately four yards high, and located approximately 500 yards north of White Oak Run Road. The berm is oriented east to west. Based on the location of the remnants of the latrine structure at the site, it was estimated that the firing line was approximately 300 yards south of the target berm, and direction of fire was to the north. A historical aerial photo from 1962 was found that shows the presence of two structures at a distance of 100 yards and 200 yards from the target berm, but no evidence of use at a distance of 300 yards. As a result of this discovery, the conceptual site model for the Parkersburg Range MRS was re-evaluated. The new aerial photo show that the range likely consisted of two adjacent firing lanes, with firing lines at 100 yards and 200 yards, and that firing was not conducted at 300 yards distance.

A Preliminary Assessment (PA) report was prepared in 2009, and a Historical Records Review was performed in 2011. Site Inspection (SI) field work was conducted in 2011. The maximum detected concentrations of antimony, copper and lead in the biased surface soil samples exceeded the calculated background values (two times the mean concentration of the three ambient samples). The maximum detected concentrations of antimony and copper did not exceed the West Virginia risk based on concentrations for residential soil; however, lead did exceed the screening criterion.

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

The RI/FS was finalized in August 2022, and a Draft Final Proposed Plan (PP) is underway and will be finalized soon, followed by a Record of Decision. The preferred alternative is a modified *Alternative 3: Soil Excavation with Off-Site Disposal* for the target berm area only.

Cleanup Strategy: Once the RI/FS is completed, it is assumed a soil excavation with off-site disposal will be required.

CC_WVHQ-002-R-01_NDNODS SWEENEYSBURG RANGE

HQAES ID: 6925A.1011

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 3/31/2037

RC Date: 3/31/2037

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	7/15/2010	9/15/2012
RI/FS	1/1/2030	1/1/2035
RD	1/1/2035	2/28/2035
IRA	--	--
RA(C)	3/1/2035	3/31/2037
RA(O)	--	--
LTM	--	--

Site Narrative

The Sweeneysburg Range is a small-arms moving target range located on forested privately owned property in Beckley, West Virginia. The dates of usage are 1951 through 1963. The MRS is 1.45 acres.

SI field work was conducted in 2011. Lead was detected in the surface soil at concentrations exceeding human health screening criterion, and the site was recommended for RI/FS for munitions constituents (MC). No munitions and explosives of concern (MEC) were found on the site. The Final West Virginia Site Inspection Report, Army National Guard Military Munitions Response Program, July 2012, lists WVHQ-002-R-02 as the site number for the portion of the site requiring further investigation. For consistency purposes, the site number was changed to WVHQ-002-R-01.

DERP funding was used to complete work through the SI at this site. NDNODS sites moving forward with the RI/FS phase are reprogrammed into Compliance-related Cleanup.

Cleanup Strategy: A 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	Program Code
6925A.1001	WVHQ-001-R-01_NDNODS Beckley Armory Range	9/30/2012	ENV Restoration, Army
6925A.1002	WVHQ-003-R-01_NDNODS Buckhannon Range	9/30/2012	ENV Restoration, Army
6925A.1003	WVHQ-004-R-01_NDNODS Camp Kanawha Range	9/30/2012	ENV Restoration, Army
6925A.1004	WVHQ-005-R-01_NDNODS Keyser-Fort Hill	9/30/2012	ENV Restoration, Army
6925A.1005	WVHQ-006-R-01_NDNODS Parkersburg Range	9/30/2012	ENV Restoration, Army
6925A.1006	WVHQ-002-R-01_NDNODS Sweeneysburg Range	9/30/2012	ENV Restoration, Army
6925A.1012	WVHQ-006-R-02_NDNODS Parkersburg Range	10/15/2012	ENV Restoration, Army
6925A.1013	WVHQ-002-R-02_NDNODS Sweeneysburg Range2	9/15/2012	ENV Restoration, Army

COMMUNITY INVOLVEMENT

Technical Review Committee (TRC) Establishment Date:	N/A
Community Involvement Plan (Date Published):	4/2021
Restoration Advisory Board (RAB) Establishment Date:	N/A
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Additional Community Involvement:	RAB solicitation sent 9/2020. At this time, there is no interest in establishing a RAB.
Administrative Record is located at:	HQ, WVARNG NGWV-CFMO-ENV 1707 Coonskin Drive Charleston, WV 25311-1085
Information Repository is located at:	HQ, WVARNG NGWV-CFMO-ENV 1707 Coonskin Drive Charleston, WV 25311-1085
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

FWAATS-BRIDGEPORT

Army Cleanup Program

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ACRONYMS

Acronym	Definition
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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
FS	Feasibility Study
FWAATS	Fixed Wing Army Aviation Training Site
HQAES	Headquarters Army Environmental System
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MRSPP	Munitions Response Site Prioritization Protocol
N/A	Not Applicable
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
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

Acronym	Definition
SL	Screening Level
TAPP	Technical Assistance for Public Participation
TBD	To Be Determined
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
6132A.1001	CCWV2020-02-P_FWAATS PFAS CONTAMINATION	- -
6132A.1002	WV2020-02-P_FWAATS PFAS CONTAMINATION	- -

FWAATS-BRIDGEPORT

INSTALLATION RESTORATION PROGRAM SITES

WV2020-02-P_FWAATS PFAS CONTAMINATION

HQAES ID: 6132A.1002

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 9/15/2033

RC Date: 9/15/2033

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

Phases	Start	End
PA	8/11/2017	8/6/2020
SI	8/17/2020	8/16/2025
RI/FS	9/15/2026	9/15/2033
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A Preliminary Assessment (PA) was completed at the Fixed Wing Army Aviation Training Site (FWAATS) to assess potential per- and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. Two areas of interest (AOIs) related to potential PFAS releases were identified at FWAATS during the PA through interviews with facility personnel. Based on potential PFAS releases at the AOIs, there is a potential for exposure to PFAS contamination in media at or near the facility.

Site Inspection (SI) was initiated in 2020. Preliminary results of the SI have determined that both AOIs (AOI 1 and AOI 2) warrant further evaluation in a remedial investigation (RI). Although groundwater samples were not collected from AOI 1, detections of Perfluorooctanoic acid (PFOA), a PFAS-related chemical, approximately 200 ft downgradient of the AOI exceeded groundwater screening levels (SLs). Therefore, further evaluation at AOI 1 was warranted. PFOA was detected in groundwater at concentrations above SL at AOI 2 as well, warranting further investigation at that location too.

The subject site was tracked as 6132A.1001 under the Compliance-related Cleanup (CC) program. In March 2023, the site became Defense Environmental Restoration Program (DERP)-eligible. Future actions, after SI phase, will be tracked under DERP program.

Cleanup Strategy: A SI is underway at the site and SI costs are being tracked with 6132A.1001 (CCWV2020-02-P). Early results of the SI indicate that a RI/Feasibility Study (FS) will be required at the site, and these RI/FS actions will be tracked under DERP program.

FWAATS-BRIDGEPORT

COMPLIANCE CLEANUP SITES

CCWV2020-02-P_FWAATS PFAS CONTAMINATION

HQAES ID: 6132A.1001

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 8/16/2025

RC Date: 8/16/2025

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

Phases	Start	End
PA	8/11/2017	8/6/2020
SI	8/17/2020	8/16/2025
RI/FS	--	--
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A PA was completed at the FWAATS to assess potential PFAS release areas and exposure pathways to receptors. Two AOIs related to potential PFAS releases were identified at FWAATS during the PA through interviews with facility personnel. Based on potential PFAS releases at the AOIs, there is a potential for exposure to PFAS contamination in media at or near the facility.

SI was initiated in 2020. Preliminary results of the SI have determined that both AOIs (AOI 1 and AOI 2) warrant further evaluation in a RI. Although groundwater samples were not collected from AOI 1, detections of PFOA, a PFAS-related chemical, approximately 200 ft downgradient of the AOI exceeded groundwater SLs. Therefore, further evaluation at AOI 1 was warranted. PFOA was detected in groundwater at concentrations above SL at AOI 2 as well, warranting further investigation at that location too.

The subject site was tracked as 6132A.1001 under the CC program. In March 2023, the site became DERP-eligible. Future actions, after SI phase, will be tracked under DERP program.

Cleanup Strategy: A SI is underway at the site and SI costs are being tracked with 6132A.1001 (CCWV2020-02-P). Early results of the SI indicate that a RI/FS will be required at the site, and these RI/FS actions will be tracked under DERP program.

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 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

KINGWOOD

Army Cleanup Program

Installation Action Plan

2023

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Land Use Controls (LUC) Summary.....	12

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
DERP	Defense Environmental Restoration Program
DPT	Direct Push Technology
FS	Feasibility Study
HQAES	Headquarters Army Environmental System
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MRSPP	Munitions Response Site Prioritization Protocol
N/A	Not Applicable
PA	Preliminary Assessment
PFAS	Per-and Polyfluoroalkyl Substances
PFHxS	Perfluorohexane Sulfonate
PFNA	Perfluorononanoic 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
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
TAPP	Technical Assistance for Public Participation
TBD	To Be Determined
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
5835A.1001	CCWV2020-01-P_KINGWOOD PFAS CONTAMINATION	- -
5835A.1002	WV2020-01-P_KINGWOOD PFAS CONTAMINATION	- -

KINGWOOD

COMPLIANCE CLEANUP SITES

CCWV2020-01-P_KINGWOOD PFAS CONTAMINATION

HQAES ID: 5835A.1001

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 8/16/2025

RC Date: 8/16/2025

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

Phases	Start	End
PA	8/11/2017	5/5/2020
SI	8/17/2020	8/16/2025
RI/FS	--	--
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A Preliminary Assessment (PA) was completed at the Camp Dawson Training Site in Kingwood, West Virginia, to assess per-and potential polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. During the PA, seven areas of interest (AOIs) related to potential PFAS releases were identified at the Camp Dawson Training Site. Based on documented and potential PFAS releases at these AOIs, there is potential for exposure to PFAS contamination in media at or near the facility.

Preliminary results of the Site Inspection (SI) indicate that further investigation in the form of a Remedial Investigation (RI) is warranted.

The subject site was tracked as 5835A.1001 under the Compliance-related Cleanup (CC) program through the SI phase. In March 2023, the site became Defense Environmental Restoration Program (DERP)-eligible and future RI/Feasibility (FS) costs will be tracked under DERP.

Cleanup Strategy: A SI is underway at the site. Early results of the SI indicate that a RI/FS will be required at the site. Further actions will be determined after results of the RI/FS are evaluated.

KINGWOOD

INSTALLATION RESTORATION PROGRAM SITES

WV2020-01-P_KINGWOOD PFAS CONTAMINATION

HQAES ID: 5835A.1002

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 1/15/2038

RC Date: 1/15/2038

RC Reason: Not assigned

Program: ENV Army Restoration

Subprogram: IR

Phases	Start	End
PA	8/11/2017	5/5/2020
SI	8/17/2020	8/16/2025
RI/FS	1/15/2031	1/15/2038
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

A PA was completed at the Camp Dawson Training Site in Kingwood, West Virginia, to assess PFAS release areas and exposure pathways to receptors. During the PA, seven AOIs related to potential PFAS releases were identified at the Camp Dawson Training Site. Based on documented and potential PFAS releases at these AOIs, there is potential for exposure to PFAS contamination in media at or near the facility.

SI field activities were conducted from 31 August to 16 September 2022 and consisted of direct push technology (DPT) and hand auger borings and soil sample collection, temporary monitoring well installation and grab groundwater sample collection. Preliminary results of the SI indicate that further investigation in the form of a RI is warranted for six of the seven AOIs. Perfluorooctane sulfonic acid (PFOS) exceeded soil screening levels (SLs) and Perfluorohexane sulfonate (PFHxS), PFOS, and Perfluorooctanoic acid (PFOA) exceeded groundwater SLs at AOI 1. PFOA exceeded soil SLs and PFHxS, Perfluorononanoic acid (PFNA) and PFOS exceeded groundwater SLs at AOI 2. PFOS and PFOA exceeded groundwater SLs at AOI 3, AOI 4 and AOI 5. PFOA was detected above groundwater SLs at AOI 7.

The subject site was tracked as 5835A.1001 under the CC program through the SI phase. In March 2023, the site became DERP-eligible and future RI/FS costs will be tracked under DERP.

Cleanup Strategy: A SI is underway at the site. Early results of the SI indicate that a RI/FS will be required at the site. Further actions will be determined after results of the RI/FS are 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 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

PARKERSBURG ARMY AVIATION SUPPORT FACILITY (AASF) #1

Army Cleanup Program

Installation Action Plan

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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
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RAB	Restoration Advisory Board
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
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Acronym	Definition
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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
5498A.1001	CCWV2020-03-P_PARKERSBURG PFAS CONTAMINATION	- -

PARKERSBURG AASF #1

COMPLIANCE CLEANUP SITES

CCWV2020-03-P_PARKERSBURG PFAS CONTAMINATION

HQAES ID: 5498A.1001

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 1/15/2038

RC Date: 1/15/2038

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

Phases	Start	End
PA	6/18/2018	7/29/2020
SI	8/17/2020	08/16/2025
RI/FS	1/15/2031	1/15/2038
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

Parkersburg AASF #1 [also known as Williamstown AASF #1] occupies 102.8 acres in Williamstown, West Virginia. The facility is located adjacent to the Mid-Ohio Valley Regional Airport, west of Runway 21. Land to the south and east of the facility is a combination of residential and forested, while land to the north and west is primarily forested and agricultural. The nearest suburban area is Parkersburg, West Virginia, and is located 7.8 miles southwest of the facility.

A Preliminary Assessment (PA) was completed at the Parkersburg AASF #1 to assess potential per-and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. Three areas of interest (AOIs) related to potential PFAS releases were identified at the site during the PA. Based on potential PFAS releases at the AOIs, there is a potential for exposure to PFAS contamination in media at or near the facility.

Site Inspection (SI) field activities were conducted in January and February 2023 and consisted of sonic drilling and hand auger borings and soil sample collection. Based on early results of the SI, further evaluation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) is warranted in a remedial investigation (RI) at AOI 2 due to an exceedance of the perfluorooctanesulfonic acid (PFOS) screening level (SL) in soil.

Cleanup Strategy: A SI is underway at the site. A RI/Feasibility Study (FS) will be required. 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 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

WHEELING

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
ARNG	Army National Guard
AOI	Area of Interest
CC	Compliance-Related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
DD	Decision Document
FS	Feasibility Study
HQAES	Headquarters Army Environmental System
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
MRSPP	Munitions Response Site Prioritization Protocol
N/A	Not Applicable
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
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

Acronym	Definition
SL	Screening Level
TAPP	Technical Assistance for Public Participation
TBD	To Be Determined
TRC	Technical Review Committee
UST	Underground Storage Tank
WBS	Work Breakdown Structure
WVARNG	West Virginia Army National Guard
µg/kg	Microgram/Kilogram

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)
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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
5507A.1001	CCWV2020-04-P_WHEELING PFAS CONTAMINATION	--

WHEELING

COMPLIANCE CLEANUP SITES

CCWV2020-04-P_WHEELING PFAS CONTAMINATION

HQAES ID: 5507A.1001

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 1/15/2038

RC Date: 1/15/2038

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

Phases	Start	End
PA	8/28/2019	8/2/2020
SI	8/17/2020	8/16/2025
RI/FS	1/15/2031	1/15/2038
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

Site Narrative

The Wheeling Army Aviation Support Facility (AASF) #2, operated by West Virginia Army National Guard (WVARNG), encompasses approximately 38.14 acres in Wheeling, West Virginia, within Ohio County, directly south of the Brooke County border. The Facility is located adjacent to the Wheeling Ohio County Airport, east of Runway 34. AASF #2 has been an operational military facility for an active Army National Guard Unit (ARNG) unit since the completion of construction in 1996 and the facility provides support for helicopter operation and maintenance. The facility is situated within the Allegheny Plateau, characterized by steep hillslopes and ravines.

A Preliminary Assessment (PA) was completed at the Wheeling AASF #2 to assess potential per-and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. Two areas of interest (AOIs) related to potential PFAS releases were identified at the site during the PA. Based on potential PFAS releases at the AOIs, there is a potential for exposure to PFAS contamination in media at or near the facility.

Site Inspection (SI) field activities were conducted in November 2022 and consisted of sonic drilling and hand auger borings, and soil sample collection, temporary monitoring well installation, and grab groundwater sample collection. Based on the early results of the SI, one location, AOI01-02, had a single exceedance in surface soil for perfluorooctanoic acid (PFOA) above the 13 microgram/kilogram ($\mu\text{g}/\text{kg}$) screening level (SL), with a concentration of 14 $\mu\text{g}/\text{kg}$. Groundwater samples were not collected from AOI 1 due to the shallow bedrock. No further evaluation at AOI 2 is warranted. Based on the results of this SI, further evaluation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) is warranted in a remedial investigation (RI) for AOI 1.

Cleanup Strategy: A SI is underway at the site. A RI/Feasibility Study (FS) will be required. Further actions cannot be determined until completion of the RI/FS.

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 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