

# **JFHQ NY ARNG**

## **Army Cleanup Program**

### **Installation Action Plan**

2023

# CONTENTS

<b>Acronyms</b> .....	<b>1</b>
<b>Phase Translation Table</b> .....	<b>3</b>
<b>Site Alias List</b> .....	<b>4</b>
<b>Military Munitions Response Program Sites</b> .....	<b>5</b>
NYHQ-005-R-01_NDNODS Amsterdam Range .....	6
<b>Compliance Cleanup Sites</b> .....	<b>7</b>
CC_NYHQ-004-R-01_NDNODS ROCHESTER RIFLE RANGE.....	8
CC_NYHQ-006-R-01_NDNODS BINGHAMTON RIFLE RANGE.....	9
CC_NYHQ-007-R-01_NDNODS CAMP BLAUVELT .....	11
CC_NYHQ-008-R-01_NDNODS CAMP ORYAN MRS1 .....	13
CC_NYHQ-008-R-02_NDNODS CAMP ORYAN MRS2.....	14
CC_NYHQ-008-R-03_CC_NDNODS CAMP ORYAN MRS3.....	16
CC_NYHQ-009-R-01_CC_NDNODS ELMIRA RIFLE RANGE.....	18
CC_NYHQ-011-R-01_CC_NDNODS GLENS FALLS RANGE .....	19
CC_NYHQ-016-R-01_CC_NDNODS MOHAWK RIFLE RANGE .....	20
CC_NYHQ-017-R-01_CC_NDNODS OLEAN TARGET RANGE .....	21
CC_NYHQ-018-R-01_CC_NDNODS ONEIDA RANGE .....	23
CC_NYHQ-019-R-01_NDNODS POUGHKEEPSIE RIFLE RANGE .....	24
CC_NYHQ-022-R-01_CC_NDNODS TICONDEROGA TRAINING RANGE .....	26
<b>Site Closeout Summary</b> .....	<b>28</b>
<b>Community Involvement</b> .....	<b>31</b>
<b>Five-Year / Periodic Review Summary</b> .....	<b>32</b>
Review Summary Table.....	32
ROD/DDs associated with the last Five-Year/Periodic Review .....	32
Results, Actions & Plans.....	32
<b>Land Use Controls (LUC) Summary</b> .....	<b>33</b>

## ACRONYMS

Acronym	Definition
AEDB-R	Army Environmental Database - Restoration
AG	Adjutant General
CC	Compliance-Related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
COC	Contaminant of Concern
DD	Decision Document
DERP	Defense Environmental Restoration Program
DU	Decision Unit
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
MC	Munitions Constituents
MD	Munitions Debris
MEC	Munitions and Explosives of Concern
mg/kg	Milligrams Per Kilogram
mm	Millimeter
MR	Munitions Response
MRS	Munitions Response Site
MRSPP	Munitions Response Site Prioritization Protocol
NDNODS	Non-Department of Defense Owned, Non-Operational Defense Sites
NYARNG	New York Army National Guard
NYC	New York City
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health

Acronym	Definition
NYSEG	New York State Electric and Gas
PA	Preliminary Assessment
PETN	Pentaerythritol Tetranitrate
PIPC	Palisades Interstate Park Commission
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
ROE	Right-of-Entry
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
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
6908A.1017	NYHQ-005-R-01_NDNODS Amsterdam Range	--
6908A.1020	NYHQ-012-R-01_NDNODS Hoosick Falls Range	--
6908A.1021	NYHQ-010-R-01_NDNODS Geneva Range	--
6908A.1038	CC_NYHQ-004-R-01_NDNODS ROCHESTER RIFLE RANGE	--
6908A.1039	CC_NYHQ-006-R-01_NDNODS BINGHAMTON RIFLE RANGE	--
6908A.1040	CC_NYHQ-007-R-01_NDNODS CAMP BLAVELT	--
6908A.1041	CC_NYHQ-008-R-01_NDNODS CAMP ORYAN MRS1	--
6908A.1042	CC_NYHQ-008-R-02_NDNODS CAMP ORYAN MRS2	--
6908A.1043	CC_NYHQ-008-R-03_CC_NDNODS CAMP ORYAN MRS3	--
6908A.1044	CC_NYHQ-009-R-01_CC_NDNODS ELMIRA RANGE	--
6908A.1045	CC_NYHQ-011-R-01_CC_NDNODS GLENS FALLS RANGE	--
6908A.1046	CC_NYHQ-016-R-01_CC_NDNODS MOHAWK RIFLE RANGE	--
6908A.1047	CC_NYHQ-017-R-01_CC_NDNODS OLEAN TARGET RANGE	--
6908A.1048	CC_NYHQ-018-R-01_CC_NDNODS ONEIDA RANGE	--
6908A.1049	CC_NYHQ-019-R-01_NDNODS POUGHKEEPSIE RIFLE RANGE	--
6908A.1050	CC_NYHQ-022-R-01_CC_NDNODS TICONDEROGA TRAINING RANGE	--

# JFHQ NY ARNG

## MILITARY MUNITIONS RESPONSE PROGRAM SITES

## NYHQ-005-R-01\_NDNODS Amsterdam Range

**HQAES ID:** 6908A.1017

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 10/15/2027

**RC Date:** 10/15/2027

**RC Reason:** Not assigned

**Program:** ENV Restoration, Army

**Subprogram:** MR

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	10/15/2027
<b>RI/FS</b>	--	--
<b>RD</b>	--	--
<b>IRA</b>	--	--
<b>RA(C)</b>	--	--
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

The former Amsterdam Range is located on private property in the City of Johnstown, New York. Johnstown is located in Montgomery County in the east-central portion of New York, approximately 50 miles northwest of Albany. The only Non-Department of Defense Non-Operational Defense Sites (NDNODS) eligible Munitions Response Site (MRS) identified at this site is a former small arms range. Currently, the area where the range was located is a large field surrounded by woods, and no evidence of a former range was found during the site field visit. Munitions likely used were .30-caliber M1 and .30-caliber M1906. All attempts at gaining right-of-entry (ROE) from the landowner of this site were refused in 2011/2012 and 2016/2017. ROE was obtained in September 2021. A Site Inspection (SI) contract was awarded in late Fiscal Year 2022 and is now underway. Site acreage will be determined during the SI.

**Cleanup Strategy:** A SI is underway. Further actions will not be able to be determined until results of the SI sampling are evaluated.



# JFHQ NY ARNG

## COMPLIANCE CLEANUP SITES

## CC\_NYHQ-004-R-01\_NDNODS ROCHESTER RIFLE RANGE

**HQAES ID:** 6908A.1038

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 2/15/2033

**RC Date:** 2/15/2033

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	1/15/2026	1/15/2031
<b>RD</b>	1/15/2031	2/15/2031
<b>IRA</b>	--	--
<b>RA(C)</b>	2/15/2031	2/15/2033
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

The Rochester Rifle Range was a former small arms range that had a pistol range and two rifle ranges. This MRS, which consists of approximately 7.5 acres in Penfield, New York, is located in a forested area of Ellis Park, a county-owned park. The MRS is bounded on all sides by Ellison Park. This range was used by the G Co. 108th Infantry of the New York Army National Guard (NYARNG) from at least 1942 to at least 1965; the exact dates of use are unknown.

SI field work was conducted in 2011. A visual survey was performed, and six biased surface soil samples were collected. The maximum detected concentration of antimony, copper, and lead in the biased surface soil samples exceeded the calculated background concentration. Based on the analytical results presented in this report, an impact to human health due to exposure to antimony in the surface soil is not expected and an impact to human health due to exposure to copper or lead in surface soil is possible at this MRS. The SI report recommended the MRS for a Remedial Investigation (RI)/Feasibility Study (FS).

Defense Environmental Restoration Program (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.

## CC\_NYHQ-006-R-01\_NDNODS BINGHAMTON RIFLE RANGE

**HQAES ID:** 6908A.1039

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 7/15/2032

**RC Date:** 7/15/2032

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	9/17/2023	9/16/2028
<b>RD</b>	7/15/2030	8/15/2030
<b>IRA</b>	--	--
<b>RA(C)</b>	7/15/2030	7/15/2032
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

Two NYARNG small arms ranges have existed in or near Binghamton. The original range, built in 1877, was used until 1924 when the lease was canceled. The original range is discussed on the Ineligible Table in Appendix D under Binghamton Rifle Range (old). After the lease was canceled, the Binghamton Rifle Range was moved to Port Dickinson, a village just north of Binghamton.

The former Binghamton Rifle Range (new) is located on private property in the Village of Port Dickinson, Broome County, New York and was in use from 1926 to 1955. Port Dickinson is located in the south-central portion of New York, on the Pennsylvania border. The only NDNODS eligible MRS identified at this site is a former small arms range. Munitions used are unknown but assumed to be .22, .30, and .45-caliber, the former range was safe for the firing of .30-caliber M1 ammunition. Currently, the area where the range was located is occupied by two businesses and a residential property. No evidence of a former range was found during the site field visit.

SI field work was conducted in 2011. The MRS boundary was revised based on historical aerial images, visible range features, and other data collected as a result of activities related to the SI. Boundary revision resulted in an increase in MRS acreage from 14.40 acres to 67 acres. A 2.0-mile visual survey was performed and five biased surface soil samples were collected. The maximum detected concentration of antimony, copper, and lead in the biased surface soil samples exceeded the calculated background concentration and human health screening values. Based on the analytical results presented in this report, an impact to human health due to exposure to antimony, copper, and lead in the surface soil is possible at this MRS. No munitions and explosives of concern (MEC) were found, but the presence of munitions debris (MD) and lead-contaminated soils resulted in a recommendation for RI/FS.

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.

A contract for RI/FS was awarded at the end of FY23, and includes RI/FS for Munitions Constituents (MC) at Binghamton Range.

**Cleanup Strategy:** A RI/FS will be completed at this site. Once the RI/FS is complete it is assumed a soil excavation will be required.

# CC\_NYHQ-007-R-01\_NDNODS CAMP BLAUVELT

**HQAES ID:** 6908A.1040

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 9/16/2028

**RC Date:** 9/16/2028

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	8/31/2023
<b>RI/FS</b>	9/17/2023	9/16/2028
<b>RD</b>	--	--
<b>IRA</b>	--	--
<b>RA(C)</b>	--	--
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

## Site Narrative

The former Camp Blauvelt (also known as Camp Bluefields) is located in a state park owned by the Palisades Interstate Park Commission (PIPC) in Orangetown, New York. Orangetown is located in the southeastern corner of Rockland County, approximately 20 miles north of New York City (NYC). The only NDNODS eligible MRS identified at this location is a former small arms range. During the site field visit, numerous structures and features associated with the former range were observed. According to historical documents, Camp Blauvelt was a 447-acre training camp used by the NYARNG from 1910 to 1913 and then again from an unknown date to 1925. The camp contained a small arms range that was used from 1910 to 1913. Although it is unknown if the range was used during training camps that occurred after 1913, it is unlikely. Therefore, 1910 to 1913 were used as the start and end use dates. When the range opened on Oct. 03, 1910, it had 200- and 300-yard ranges; by 1913 the range had 198 targets with firing lines from 200 to 1,000 yards. Underground tunnels were installed to connect the downrange targets to the firing lines and to connect one range to another. Due to numerous complaints from nearby residents about the safety of the range, it was closed in 1913. According to the residents, stray bullets from the range were landing on the Boulevard and Shady Side Avenue. Munitions used are unknown but assumed to be .22, .30, .38, and .45 caliber.

In 2012, eight biased surface soil samples were collected during the original SI. The maximum detected concentration of antimony, copper, and lead in the biased surface soil samples exceeded the calculated background concentration. The maximum detected concentration of antimony did not exceed the human health screening value. The maximum detected concentration of copper and lead exceeded the human health screening value. Based on the analytical results presented in the earlier SI report, an impact to human health due to exposure to antimony in the surface soil was not expected and an impact to human health due to exposure to copper or lead in surface soil was possible. DERP funding was used to complete work through the SI at this site. NDNODS moving forward with the RI/FS phase are reprogrammed into Compliance-related Cleanup.

In 2016, an RI/FS was awarded at this site after the original SI in 2012. During this RI, a potential MEC item was found, but subsequently determined to be MD. Also, additional MC source areas were found. Work was halted and the RI work was subsequently terminated. Based on the new MD and MC source area finds, a supplemental SI was awarded at this site in June 2021.

A new RI/FS contract was awarded in late FY23, and will include RI/FS activities for MEC and MC at Camp Blauvelt.

**Cleanup Strategy:** A supplemental SI is currently underway, and a RI/FS is now underway as well. At this time, there isn't sufficient documentation to plan further actions beyond RI/FS.

## CC\_NYHQ-008-R-01 NDNODS CAMP ORYAN MRS1

**HQAES ID:** 6908A.1041

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 2/15/2033

**RC Date:** 2/15/2033

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	1/15/2026	1/15/2031
<b>RD</b>	1/15/2031	2/15/2031
<b>IRA</b>	--	--
<b>RA(C)</b>	2/15/2031	2/15/2033
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

Camp O’Ryan is an approximately 6.9-acre small arms range located on private property in Wethersfield, New York. The Town of Wethersfield is approximately 45 miles east-southeast of Buffalo, New York, in Wyoming County. The approximate period of use was from 1949 to 1974 (the area was also used 1989-1994; however, it is unclear whether the rifle range and pistol range were reactivated). The only NDNODS eligible MRS identified at this site is a former small arms range. The area where the range was located is primarily wooded and no evidence of a former range was observed from the roadway during the site field visit. Munitions used are unknown but assumed to be .22, .30, .38 .45 caliber, 5.56 millimeter (mm) and 7.62mm.

A SI was conducted in 2011 and consisted of a visual survey and collection of four biased soil samples. No MEC were observed during the visual inspection. Copper and lead were detected in all of the biased surface soil samples collected. The maximum detected concentration of copper and lead was detected in the biased surface soil sample collected from the target berm. This sample exceeded the calculated background and the human health screening values for these two metals. Based on the analytical results presented in the SI report, an impact to human health due to exposure to copper and lead in the surface soil is possible at this MRS and the site was recommended for RI/FS.

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.

## CC\_NYHQ-008-R-02\_NDNODS CAMP ORYAN MRS2

**HQAES ID:** 6908A.1042

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 12/15/2026

**RC Date:** 12/15/2056

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	6/15/2017	7/06/2022
<b>RD</b>	11/15/2024	12/15/2024
<b>IRA</b>	--	--
<b>RA(C)</b>	12/15/2024	12/15/2026
<b>RA(O)</b>	--	--
<b>LTM</b>	12/15/2026	12/15/2056

### Site Narrative

Camp O'Ryan MRS 2 Rifle Range is a former small arms range. The former range, originally approximately 17.5 acres, was expanded to 42.41 acres as the result of the more recent RI. Located in Wethersfield, Wyoming County, New York, Camp O'Ryan MRS 2 Rifle Range was operational between 1949 and 1974 and possibly again from 1989 through 1994. Currently, the MRS is undeveloped forested land that is privately owned. Based on the historical documents, Camp O'Ryan was divided into three MRSs: Camp O'Ryan MRS 1 Pistol Range, Camp O'Ryan MRS 2 Rifle Range and Camp O'Ryan MRS 3 Maneuvering Area. The firing direction was to the southeast. Small arms, .30 caliber M1, were approved for use at Camp O'Ryan MRS 2 Rifle Range. Additional potential munitions used were small arms (.22, .30, .38, and .45 caliber, 5.56mm and 7.62mm).

Thirty biased surface soil samples were collected during the SI. The samples were analyzed for the small arms indicator metals (antimony, copper, and lead). The maximum detected concentration of antimony, copper, and lead in the biased surface soil samples exceeded the calculated background concentration and the human health screening value. An unacceptable human health risk via exposure to antimony, copper or lead in surface soil is possible, and additional investigation was warranted in the form of a RI and FS. 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.

The RI, conducted between 2019 and 2020, compiled and evaluated information and data relating to the potential contamination associated with historical small arms training activities conducted at the Camp O'Ryan Rifle Range MRS 2. For the purpose of the RI, the Camp O'Ryan MRS 2 was originally divided into three decision units (DUs) (100-Yard Firing Berm, Target Area, and Target Berm-Hillside), with two additional DUs added during the investigation to assess potential MC in sediment at a temporarily inundated area that collects surface water runoff at the base of the Target Berm (Target Berm-Ponded DU) and a seasonally flooded wetland on the east side of the Target Berm-Hillside (Wet Meadow DU). The primary contaminant of concern (COC) was determined to be lead in soil.



The Final Record of Decision (ROD) was signed in July 2022. Alternative 3: *Target Berm DUs: Soil Stabilization, Excavation, and Off-site Disposal as Non-Hazardous Waste with MRS-wide Land Use Controls (LUCs)* was selected by ARNG as the chosen remedial alternative.

**Cleanup Strategy:** The preferred remedy is Alternative 3: Target Berm DUs: Soil Stabilization, Excavation, and Off-site Disposal as Non-Hazardous Waste with MRS-wide Land Use Controls (LUCs), and will include soil stabilization, excavation, and off-site disposal of lead-contaminated soils. This site is anticipated to have LUCs and five year review requirements.

## CC\_NYHQ-008-R-03\_CC\_NDNODS CAMP ORYAN MRS3

**HQAES ID:** 6908A.1043

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 4/15/2036

**RC Date:** 4/15/2036

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	09/15/2029	4/15/2036
<b>RD</b>	--	--
<b>IRA</b>	--	--
<b>RA(C)</b>	--	--
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

Camp O'Ryan MRS 3 Maneuvering Area is a former maneuvering area. The former area is approximately 370 acres and is located in Wethersfield, Wyoming County, New York. Camp O'Ryan MRS 3 Maneuvering Area was operational between 1949 and 1974 and again from 1989 through 1994. Currently, the MRS is undeveloped, forested land that is privately-owned.

Based on the historical documents, Camp O'Ryan was divided into three MRSs: Camp O'Ryan MRS 1 Pistol Range, Camp O'Ryan MRS 2 Rifle Range and Camp O'Ryan MRS 3 Maneuvering Area. Small arms, .30 caliber M1, were approved for use at the Camp O'Ryan MRS 3 Maneuvering Area. Additional potential munitions used were Rockets, 2.36-inch, Practice, M7; Rockets, 3.5-inch, Practice, M29; signal Illumination, ground, cluster, Green Star, M125A1; Illumination, ground, parachute, Red Star, M126; Illumination, ground, Parachute, White Star, M127; Signal, Smoke, Ground Parachute, Green, M128; Signal, Smoke, Ground Parachute, Red, M129; and Grenade, Hand, Riot, M7.

During the September 2011 SI site visit, four biased surface soil samples were collected. The maximum detected concentration of aluminum, barium, copper, and zinc in the biased surface soil samples exceeded the calculated background concentration. The maximum detected concentration of aluminum, barium, copper, and zinc did not exceed the human health screening value. The explosive pentaerythritol tetranitrate (PETN) was detected at a low concentration, which did not exceed its associated screening value. Based on the analytical results presented in this report, an impact to human health due to exposure to PETN, aluminum, barium, copper, and zinc in surface soil is not expected. MD from a 30-caliber bullet belt, remnants of a 3.5-inch practice rocket and an M159 pop flare were found during the SI. The Final New York SI Report, Army National Guard Military Munitions Response Program, July 2012 recommended further investigation for MEC and MC.

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:** An RI/FS is assumed at the site. Once the RI/FS is completed, future actions will be evaluated. At this time, there isn't sufficient documentation to plan for future actions.

## CC\_NYHQ-009-R-01\_CC\_NDNODS ELMIRA RIFLE RANGE

**HQAES ID:** 6908A.1044

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSPP:** Not assigned

**RIP Date:** 2/15/2036

**RC Date:** 2/15/2036

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	1/15/2029	1/15/2034
<b>RD</b>	1/15/2034	2/15/2034
<b>IRA</b>	--	--
<b>RA(C)</b>	2/15/2034	2/15/2036
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

The former Elmira Rifle Range is a 15.3-acre MRS located in the Town of Horseheads, Chemung County, New York, on privately-owned property and property owned by New York State Electric and Gas (NYSEG). Horseheads, which is bordered by the City of Elmira to the south, is located in the southwest portion of New York State. The only NDNODS eligible MRS identified at this site is a former rifle range. During the site field visit no evidence of the former range was observed. Currently, the property is a corn farm.

SI field work was conducted in 2011 and consisted of a visual survey and collection of eight biased soil samples at the target berm and natural backstop. No MEC were observed. Antimony, copper and lead were detected in all eight of the biased soil samples. The maximum detected concentration of antimony, copper and lead were detected in the biased surface soil sample collected at the backstop. This sample exceeded the respective calculated background and the human health screening value. Based on the analytical results presented in this report, an impact to human health due to exposure to antimony, copper, and lead in the surface soil is possible at this MRS. Based on these results, the MRS was recommended for RI/FS.

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.

## CC\_NYHQ-011-R-01\_CC\_NDNODS GLENS FALLS RANGE

HQAES ID: 6908A.1045

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 4/15/2035

RC Date: 4/15/2035

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	9/15/2029	4/15/2035
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

### Site Narrative

The former Glens Falls Range MRS is 215 acres and is located in Glens Falls, New York on city-owned property, northwest of Halfway Reservoir. Glens Falls is located in east central New York, approximately eight miles south of Lake George, New York. The only NDNODS eligible MRS identified at this site is a former rifle range. During the site field visit, the target butts associated with the former range were observed.

SI field work was conducted in 2011. Lead was detected in all five of the biased samples collected. The maximum detected concentration of lead was detected in the biased surface soil sample collected south of the berm. The sample exceeded the calculated background and the human health screening value. Based on the analytical results presented in this report, an impact to human health due to exposure to lead in the surface soil at the MRS was possible and the site was recommended for RI/FS.

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. At this time there isn't sufficient documentation to plan for future actions.

## CC\_NYHQ-016-R-01\_CC\_NDNODS MOHAWK RIFLE RANGE

**HQAES ID:** 6908A.1046

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 2/15/2035

**RC Date:** 2/15/2035

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	1/15/2028	1/15/2033
<b>RD</b>	1/15/2033	2/15/2033
<b>IRA</b>	--	--
<b>RA(C)</b>	2/15/2033	2/15/2035
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

The former Mohawk Rifle Range (aka the Kast Bridge Range) is located in the Town of Herkimer, Herkimer County, New York, on privately-owned property. Herkimer is located in central New York State in the Mohawk Valley region. The NDNODS eligible MRS identified at this site is a former rifle range. During the site field visit, structures/features associated with the range, including the target berm and backstop, were observed. Currently, this site contains several residences and farmland.

SI field work was conducted in 2011, and a visual survey of the target area was performed along with the collection of a total of four biased soil samples and two sediment samples. No MEC were discovered within the MRS. As a result of field observations and analytical results, the MRS boundary was revised. The revised MRS was drawn along a natural bench in the topography to include the observed berm (target location), firing point, and an additional area behind the target that acted as a natural backstop. As a result, the Mohawk Rifle Range MRS was truncated from 17 to 4 acres.

Copper and lead were detected in all of the biased surface soil samples collected during the SI. The maximum detected concentration of copper and lead was detected in the biased surface soil samples collected from the target berm. These samples exceeded the calculated background and the human health screening values. Based on the analytical results presented in this report, an impact to human health due to exposure to copper and lead in the surface soil is possible. Based on the SI field activities, the MRS was recommended for RI/FS.

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.

## CC\_NYHQ-017-R-01\_CC\_NDNODS OLEAN TARGET RANGE

**HQAES ID:** 6908A.1047

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 2/15/2035

**RC Date:** 2/15/2035

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>R/FS</b>	1/15/2028	1/15/2033
<b>RD</b>	1/15/2033	2/15/2033
<b>IRA</b>	--	--
<b>RA(C)</b>	2/15/2033	2/15/2035
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

Two NYARNG small arms ranges have existed in Olean. The original range was used until 1891 when the property owner requested that the range be moved. The former Olean Target Range (new) is located on privately-owned property in the City of Olean, Cattaraugus County, New York. Olean is located in the southwestern portion of New York State, at the confluence of Olean Creek and the Allegheny River, approximately five miles from the Pennsylvania border. The only NDNODS eligible MRS identified at this site is a former small arms range.

The Olean Target Range (new) MRS was located on approximately 55 acres of active farmland, adjacent to the former Olean Airport. The site is bounded by mountains to the south, East River Road to the north, and farmland to the west and east. According to a historian with the City of Olean, the range was located off East River Road on the Torrey farm. This location was confirmed during interviews with two local residents. The Torrey Farm is shown on two 2001 Title Search maps (NY0240) provided by the city historian.

The former range had four targets with raised firing points at 200, 300, 500, 600, 800, and 1,000 yards. The property was generally level with a steep hill, which served as the backstop, immediately behind the targets. Firing occurred from north to south. This range was used by NYARNG Company I 174th Infantry, the Eaton Rifle Club, and local Army Reserve officers. When one of the local residents was a child, she noted the Company I would march down East River Road on Sunday mornings to have gun practice. She said there was a cement wall and target racks on the range. The other local resident knew of bunkers that had been on the property.

This range was used from 1904 to 1955. The start use date is based on a 1904 Annual Adjutant General (AG) Report, which indicates the range was constructed in 1904. The most recent Annual AG Report available, from 1955, lists this range as active. A web search was conducted for the Eaton Rifle Club; however, it does not appear that a gun club by that name is still present in Olean.

In 1946, the Olean City Engineer requested permission from the NYARNG to extend the airport's runway; the proposed extension would have intersected the rifle range at a point past the 300-yard firing line. It is unknown if the runway extension was completed; the airport was moved to a new location in 1959.

No evidence of the former range was observed during the 3 December 2008 site visit. A grass airstrip, approximately ½ mile long was observed north of the former range location. Currently, the property is used as farmland.

SI field work was conducted in 2011. A visual survey was conducted and several surface soil samples were collected. No MEC or MD were observed. Copper and lead were detected in one of the biased surface soil samples which was collected east of the suspected line of fire. This sample exceeded the calculated background and the human health screening values. Based on the analytical results presented in this report, an impact to human health due to exposure to copper or lead in the surface soil is possible and a RI/FS was recommended.

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.



## CC\_NYHQ-018-R-01\_CC\_NDNODS ONEIDA RANGE

**HQAES ID:** 6908A.1048

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSP:** Not assigned

**RIP Date:** 2/15/2037

**RC Date:** 2/15/2037

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	1/15/2030	1/15/2035
<b>RD</b>	1/15/2035	2/15/2035
<b>IRA</b>	--	--
<b>RA(C)</b>	2/15/2035	2/15/2037
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

The former Oneida Range is approximately 16.5 acres and is located in the City of Oneida, Madison County, New York, on city-owned and privately-owned property. Oneida is located in central New York State between Syracuse and Utica. The only NDNODS eligible MRS identified at this site is a former small arms range. Currently the former range location is occupied by several residences as well as a reservoir, and no evidence of a former range was found during the site field visit.

SI field work was conducted in 2011 and a visual survey was performed along with collection of four biased soil samples at the target berm and natural backstop. MD was observed at the backstop, but no MEC were observed. The maximum detected concentration of copper, collected at the backstop, exceeded the calculated background and the human health screening values. Consequently, an impact to human health due to exposure to copper in the surface soil is possible and a RI/FS was recommended.

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.

# CC\_NYHQ-019-R-01 NDNODS POUGHKEEPSIE RIFLE RANGE

**HQAES ID:** 6908A.1049

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSPP:** Not assigned

**RIP Date:** 2/15/2037

**RC Date:** 2/15/2037

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	1/15/2030	1/15/2035
<b>RD</b>	1/15/2035	2/15/2035
<b>IRA</b>	--	--
<b>RA(C)</b>	2/15/2035	2/15/2037
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

## Site Narrative

The former Poughkeepsie Rifle Range is located on privately owned property, at Titusville Road in the Town of LaGrange, Dutchess County, New York. LaGrange is located adjacent to the City of Poughkeepsie in the Hudson River Valley, midway between Peekskill and Albany. The only NDNODS eligible MRS identified at this site is a former small arms range. Currently, the former range is a mix of forest and farmland, and no evidence of the former range was found during the site field visit.

The Poughkeepsie Rifle Range was located on a 21-acre strip of land, 25 yards wide by 950 yards long, in LaGrange, New York. This MRS was located east of Wappinger's Creek, approximately five miles east of the City of Poughkeepsie, midway between the Villages of Manchester Bridge and Titusville. The range, which had four targets with 200- to 800-yard firing lines, was used by the NYARNG Battery C, 156th Artillery and artillery units in Newburg. Structures on the range included a range house, target pit with sliding frames, and earthen backstop. Reportedly, the NYARNG also camped at this site, especially during revolver season.

It is estimated that this range was used from 1875 to 1935. According to a 1925 NYARNG memorandum, the range had been in use for approximately 10 years. This is contradicted by an 1876 Annual AG Report which indicated that the range was built in 1875. It is unknown if the discrepancy in the range construction date is due to the presence of more than one range in the Poughkeepsie area, or if the memorandum information is incorrect. This range is listed as active in a 1935 Annual AG Report but is not in the next available AG Report from 1940.

The exact boundary of the range is unknown and a site layout map is not available. No evidence of the former range was observed during the 11 December 2008 site visit. However, due to the vegetation, visibility from the road was limited for that portion of the property near the intersection of Philips and Titusville Roads. Visibility was good for the rest of the property, which was farmland.

SI field work was conducted in 2011, and a visual survey was performed at the target area along with collection of soil samples. The maximum detected concentrations of copper and lead were detected in a soil sample collected at the target pit and exceeded their respective calculated background and the human health screening values. Based on the analytical results presented in this report, an impact to human health due to exposure to copper and lead in the surface soil is possible and the site was recommended for RI/FS.

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.

# CC\_NYHQ-022-R-01\_CC\_NDNODS TICONDEROGA TRAINING RANGE

**HQAES ID:** 6908A.1050

**Alias:** None

**Regulatory Driver:** CERCLA

**RRSE:** Not assigned

**MRSPP:** Not assigned

**RIP Date:** 2/15/2037

**RC Date:** 2/15/2037

**RC Reason:** Not assigned

**Program:** Compliance Cleanup

**Subprogram:** CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	4/15/2007	9/15/2009
<b>SI</b>	7/15/2010	9/15/2012
<b>RI/FS</b>	1/15/2030	1/15/2035
<b>RD</b>	1/15/2035	2/15/2035
<b>IRA</b>	--	--
<b>RA(C)</b>	2/15/2035	2/15/2037
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

## Site Narrative

Two NYARNG small arms ranges have been known as the Ticonderoga Range in NYARNG documents. The original range, used until 1975, is called the Ticonderoga Range (old). A subsequent range, built in 1986, is known as the Ticonderoga Training Range (new), and is discussed here.

The former Ticonderoga Training Range (new) is located on privately-owned property in the Town of Ticonderoga, Essex County, New York. Ticonderoga is located in the Adirondack Park Preserve, on the border of Vermont. The only NDNODS eligible MRS identified at this site is a former small arms range. Currently, the area where the range was located is pasture land used as a cattle farm and no evidence of the former range was found during the site field visit.

SI field work was conducted in 2011, and consisted of a visual survey and collection of surface soils to be analyzed for munitions indicator metals (antimony, copper and lead). No MEC were observed. MD was observed at the backstop. The maximum detected concentration of MC in the biased soil samples exceeded background concentrations. New York State Department of Environmental Conservation (NYSDEC)/New York State Department of Health (NYSDOH) indicated that the lead level in soil at the reported target area was found to be up to 250 milligrams per kilogram (mg/kg) but since no range features were found there is no assurance that the area sampled contained the most highly contaminated soils. In addition, because this former range is located on agricultural lands, the unrestricted Soil Cleanup Objective of 63 mg/kg for lead was determined to be the most appropriate screening criterion (rather than 400 mg/kg). Further investigation was warranted to determine potential impacts to potential receptors. Therefore, the site was recommended for RI/FS for MC. An MRS boundary revision was supported by historical documents, field observations, and analytical results. The truncated MRS was drawn to include the target area that includes the soil berm and concrete wall with a shelter. The Ticonderoga Training Range (new) MRS is 14.4 acres.

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
6908A.1001	NYHQ-001-R-01_NDNODS Creedmoor Rifle Ran	10/15/2012	ENV Restoration, Army
6908A.1002	NYHQ-002-R-01_NDNODS Geneseo Range (old)	9/30/2012	ENV Restoration, Army
6908A.1003	NYHQ-003-R-01_NDNODS Rensselaer Wyck Target Range	9/30/2012	ENV Restoration, Army
6908A.1004	NYHQ-004-R-01_NDNODS Rochester Rifle Range	9/15/2012	ENV Restoration, Army
6908A.1005	NYHQ-023-R-01_Walton Range (new)	9/15/2012	ENV Restoration, Army
6908A.1006	NYHQ-022-R-01_Ticonderoga Training Range	9/15/2012	ENV Restoration, Army
6908A.1007	NYHQ-021-R-01_Ticonderoga Range (old)	3/29/2018	ENV Restoration, Army
6908A.1008	NYHQ-020-R-01_NDNODS Saratoga Springs Rifle Range	12/17/2017	ENV Restoration, Army
6908A.1009	NYHQ-019-R-01_Poughkeepsie Rifle Range	9/15/2012	ENV Restoration, Army
6908A.1010	NYHQ-017-R-01_Olean Target Range (new)	9/15/2012	ENV Restoration, Army
6908A.1011	NYHQ-014-R-01_Jamestown Rifle Range	9/15/2012	ENV Restoration, Army
6908A.1012	NYHQ-013-R-01_Hornell Rifle Range	12/17/2019	ENV Restoration, Army
6908A.1013	NYHQ-011-R-01_Glen Falls Range	9/15/2012	ENV Restoration, Army
6908A.1014	NYHQ-009-R-01_Elmira Range	9/15/2012	ENV Restoration, Army
6908A.1015	NYHQ-008-R-01_Camp O'Ryan	9/15/2012	ENV Restoration, Army
6908A.1016	NYHQ-006-R-01_Binghamton Rifle Range (new)	9/15/2012	ENV Restoration, Army
6908A.1018	NYHQ-018-R-01_Oneida Range	9/30/2012	ENV Restoration, Army

HQAES ID	Site Name	Site Closeout Date	Program Code
6908A.1019	NYHQ-016-R-01_Mohawk Rifle Range	9/15/2012	ENV Restoration, Army
6908A.1020	NYHQ-012-R-01_NDNODS Hoosick Falls Range	8/17/2021	ENV Restoration, Army
6908A.1021	NYHQ-010-R-01_NDNODS Geneva Range	3/25/2021	ENV Restoration, Army
6908A.1022	NYHQ-007-R-01_Camp Blauvelt	9/15/2012	ENV Restoration, Army
6908A.1023	NYHQ-015-R-01_Malone LTA	9/15/2012	ENV Restoration, Army
6908A.1024	NYHQ-003-R-02_NDNODS RENSSELAER WYCK TARGET RANGE	9/15/2012	ENV Restoration, Army
6908A.1025	NYHQ-006-R-02_BINGHAMTON RIFLE RANGE NEW	9/15/2012	ENV Restoration, Army
6908A.1026	NYHQ-006-R-03_BINGHAMTON RIFLE RANGE NEW	9/15/2012	ENV Restoration, Army
6908A.1027	NYHQ-008-R-02_NDNODS CAMP O'RYAN MRS2 RIFLE RANGE	9/15/2012	ENV Restoration, Army
6908A.1028	NYHQ-008-R-03_NDNODS CAMP O'RYAN MRS3	9/15/2012	ENV Restoration, Army
6908A.1029	NYHQ-009-R-02_ELMIRA RANGE	9/15/2012	ENV Restoration, Army
6908A.1030	NYHQ-010-R-02_GENEVA RANGE	9/15/2012	ENV Restoration, Army
6908A.1031	NYNQ-011-R-02_GLEN FALLS RANGE	9/15/2012	ENV Restoration, Army
6908A.1032	NYHQ-016-R-02_MOHAWK RIFLE RANGE	9/15/2012	ENV Restoration, Army
6908A.1033	NYHQ-017-R-02_OLEAN TARGET RANGE (NEW)	9/15/2012	ENV Restoration, Army
6908A.1034	NYHQ-018-R-02_ONEIDA RANGE	9/15/2012	ENV Restoration, Army
6908A.1035	NYHQ-019-R-02_POUGHKEEPSIE RIFLE RANGE	9/15/2012	ENV Restoration, Army

HQAES ID	Site Name	Site Closeout Date	Program Code
6908A.1036	NYHQ-021-R-02_TICONDEROGA RANGE (OLD)	9/15/2012	ENV Restoration, Army
6908A.1037	NYHQ-022-R-02_TICONDEROGA TRAINING RANGE	9/15/2012	ENV Restoration, Army



## COMMUNITY INVOLVEMENT

<b>Technical Review Committee (TRC) Establishment Date:</b>	N/A
<b>Community Involvement Plan (Date Published):</b>	TBD
<b>Restoration Advisory Board (RAB) Establishment Date:</b>	N/A
<b>RAB Adjournment Date:</b>	N/A
<b>RAB Adjournment Reason:</b>	N/A
<b>Additional Community Involvement:</b>	N/A
<b>Administrative Record is located at:</b>	MNFE-EC 330 Old Niskayuna Road Latham, NY 121103514
<b>Information Repository is located at:</b>	MNFE-EC 330 Old Niskayuna Road Latham, NY 121103514
<b>Current Technical Assistance for Public Participation (TAPP):</b>	N/A
<b>TAPP Title:</b>	N/A
<b>Potential TAPP:</b>	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 SMITH COMBINED SUPPORT MAINTENANCE SHOP (CSMS) A**

**Army Cleanup Program**

**Installation Action Plan**

2023

# CONTENTS

Acronyms.....	1
Phase Translation Table.....	3
Site Alias List.....	4
Compliance Cleanup Sites.....	5
CCNY2019-01-P_CAMP SMITH/CSMA A PFAS CONTAMINATION .....	6
INSTALLATION RESTORATION PROGRAM Sites.....	8
NY2019-01-P_CAMP SMITH/CSMA A PFAS CONTAMINATION.....	9
Site Closeout Summary.....	10
Community Involvement .....	11
Five-Year / Periodic Review Summary.....	12
Review Summary Table .....	12
ROD/DDs associated with the last Five-Year/Periodic Review .....	12
Results, Actions & Plans.....	12
Land Use Controls (LUC) Summary.....	13

## 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
CSMS	Combined Support Maintenance Shop
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
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
NYARNG	New York Army National Guard
OSD	Office of the Secretary of Defense
PA	Preliminary Assessment
PFAS	Per- and Polyfluoroalkyl Substances
PFHxS	Perfluorohexanesulfonic Acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonate
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
USEPA	US 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
4363A.1004	CCNY2019-01-P_CAMP SMITH/CSMA A PFAS CONTAMINATION	- -
4363A.1005	NY2019-01-P_CAMP SMITH/CSMA A PFAS CONTAMINATION	- -

# CAMP SMITH CSMS A

## COMPLIANCE CLEANUP SITES

## CCNY2019-01-P\_CAMP SMITH/CSMA A PFAS CONTAMINATION

HQAES ID: 4363A.1004

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 9/30/2027

RC Date: 9/30/2027

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	8/11/2017	5/31/2019
<b>SI</b>	9/7/2018	6/17/2022
<b>RI/FS</b>	9/15/2019	9/30/2027
<b>RD</b>	--	--
<b>IRA</b>	--	--
<b>RA(C)</b>	--	--
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

A Preliminary Assessment (PA) for per- and polyfluoroalkyl substances (PFAS) was completed in 2019 at the New York Army National Guard (NYARNG) Camp Smith Training Facility (Camp Smith) in Cortlandt, New York to assess potential PFAS release areas and exposure pathways to receptors. The Camp Smith facility was established in 1882 and is a 1,585-acre training property, 94 percent of which is rugged mountainous terrain ideal for light infantry tactical maneuvers and paramilitary training. The remaining 95-acre cantonment area consists of outdoor ranges, training simulation facilities, administrative buildings, and a maintenance shop. The PA identified four potential PFAS release areas at the facility and grouped these into three Areas of Interest (AOIs) 1, 2 and 3.

Historical groundwater results at Camp Smith indicate that PFAS was detected in two facility potable wells during quarterly sampling rounds completed in 2017 to present. Groundwater concentrations were detected but below the US Environmental Protection Agency (USEPA) Health Advisories combined screening level (SL) for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) (70 parts per trillion) with one exception. The USEPA Health Advisory level was exceeded once during the March 2020 sampling round. PFOA and PFOS are PFAS-related constituents.

The 2022 Site Inspection (SI) findings determined the presence of PFOA, PFOS, and perfluorohexanesulfonic acid (PFHxS) in exceedance of the 6 July 2022 Office of the Secretary of Defense (OSD) SLs in groundwater at all three AOIs and PFOS in exceedance in soil at AOI 2. Two additional potential release areas were identified during the SI; a sludge drying bed and the northern gravel pit. Based on the conceptual site models developed and revised in light of the SI findings, there is potential for exposure to drinking water receptors caused by Department of Defense (DoD) activities at the facility. No off-facility drinking water receptors are known. The SI concluded further investigation in a Remedial Investigation (RI) was warranted.

The RI was funded in FY21 and is underway and will assess soil, groundwater, surface water, and sediment associated with the three AOIs and two additional areas identified from the SI findings.

The subject site is tracked as 4363A.1004 under the Compliance-related Cleanup (CC) Program through the RI portion of the RI/Feasibility Study (FS) phase. In March 2023, the site became Defense Environmental Restoration Program (DERP)-eligible. The future FS and Decision Document (DD) are tracked under DERP as 4363A.1005.

**Cleanup Strategy:** A RI/FS is needed at this site, and RI portion is already funded and underway. FS and DD preparation will require future funding under the DERP program. Further actions cannot be determined until after the RI/FS is complete.

# CAMP SMITH CSMS A

## INSTALLATION RESTORATION PROGRAM SITES

# NY2019-01-P\_CAMP SMITH/CSMA A PFAS CONTAMINATION

HQAES ID: 4363A.1005

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/30/2027

RC Date: 9/30/2027

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	5/31/2019
SI	9/7/2018	6/17/2022
RI/FS	9/15/2019	9/30/2027
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

## Site Narrative

A PA for PFAS was completed in 2019 at the NYARNG Camp Smith Training Facility (Camp Smith) in Cortlandt, New York to assess potential PFAS release areas and exposure pathways to receptors. The Camp Smith facility was established in 1882 and is a 1,585-acre training property, 94 percent of which is rugged mountainous terrain ideal for light infantry tactical maneuvers and paramilitary training. The remaining 95-acre cantonment area consists of outdoor ranges, training simulation facilities, administrative buildings, and a maintenance shop. The PA identified four potential PFAS release areas at the facility and grouped these into three AOIs (AOIs 1, 2 and 3).

Historical groundwater results at Camp Smith indicate that PFAS was detected in two facility potable wells during quarterly sampling rounds completed in 2017 to present. Groundwater concentrations were detected but below the USEPA Health Advisories combined SL for PFOA and PFOS (70 parts per trillion) with one exception. The USEPA Health Advisory level was exceeded once during the March 2020 sampling round. PFOA and PFOS are PFAS-related constituents.

The 2022 SI findings determined the presence of PFOA, PFOS, and PFHxS in exceedance of the 6 July 2022 OSD SLs in groundwater at all three AOIs and PFOS in exceedance in soil at AOI 2. Two additional potential release areas were identified during the SI; a sludge drying bed and the northern gravel pit. Based on the conceptual site models developed and revised in light of the SI findings, there is potential for exposure to drinking water receptors caused by DoD activities at the facility. No off-facility drinking water receptors are known. The SI concluded further investigation in a RI was warranted.

The RI was funded in FY21 and is underway and will assess soil, groundwater, surface water, and sediment associated with the three AOIs and two additional areas identified from the SI findings.

The subject site is tracked as 4363A.1004 under the CC Program through the RI portion of the RI/FS phase. In March 2023, the site became DERP-eligible. The future FS and DD are tracked under DERP as 4363A.1005.

**Cleanup Strategy:** A RI/FS is needed at this site, and RI portion is already funded/tracked under the CC program. FS and DD preparation will require future funding under the DERP program. Further actions cannot be determined until after the RI/FS is complete.

## SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date	Program Code
4363A.1001	CCNYD35051_Leaking UST Monitoring	9/30/2006	Compliance Cleanup
4363A.1002	CCNYD07056_Camp Smith Contaminated Soil	4/30/2009	Compliance Cleanup
4363A.1003	CCNY150416_Tidal Marsh Area	5/17/2022	Compliance Cleanup

## COMMUNITY INVOLVEMENT

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

# **LATHAM/ARMY AVIATION SUPPORT FACILITY (AASF) 3**

**Army Cleanup Program**

**Installation Action Plan**

2023

# CONTENTS

Acronyms.....	1
Phase Translation Table.....	3
Site Alias List.....	4
INSTALLATION RESTORATION PROGRAM Sites.....	5
NY2020-01-P_ALBANY LATHAM AASF3 PFAS CONTAMINATION .....	6
Site Closeout Summary.....	7
Community Involvement .....	8
Five-Year / Periodic Review Summary.....	9
Review Summary Table.....	9
ROD/DDs associated with the last Five-Year/Periodic Review .....	9
Results, Actions & Plans.....	9
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
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
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
ng/L	Nanogram/Liter
NYARNG	New York Army National Guard
OSD	Office of Secretary of Defense
PA	Preliminary Assessment
PFAS	Per- and Polyfluoroalkyl Substances
PFHxS	Perfluorohexanesulfonic Acid
PFNA	Perfluorononanoic Acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
RAB	Restoration Advisory Board
RA(C)	Remedial Action (Construction)

Acronym	Definition
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
SL	Screening Level
TAPP	Technical Assistance for Public Participation
TRC	Technical Review Committee
UST	Underground Storage Tank
WBS	Work Breakdown Structure
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)
.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
4315A.1002	NY2020-01-P_ALBANY LATHAM AASF3 PFAS CONTAMINATION	- -



# LATHAM/AASF 3

## INSTALLATION RESTORATION PROGRAM SITES

# NY2020-01-P\_ALBANY LATHAM AASF3 PFAS CONTAMINATION

HQAES ID: 4315A.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>
<b>PA</b>	8/11/2017	9/15/2020
<b>SI</b>	12/6/2019	7/30/2023
<b>RI/FS</b>	9/15/2023	9/15/2030
<b>RD</b>	--	--
<b>IRA</b>	--	--
<b>RA(C)</b>	--	--
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

## Site Narrative

A Preliminary Assessment (PA) was completed at the Albany AASF #3 to assess potential per- and poly-fluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. Albany AASF #3 is in Latham, Albany County, in eastern New York. AASF #3 is on Albany International Airport property and leased to the New York Army National Guard (NYARNG). NYARNG occupancy of the AASF began in approximately 1983. Since then, NYARNG operations have expanded to include approximately 50 acres. Two areas of interest (AOI) related to potential PFAS releases were identified at the site during the PA. During Site Inspection (SI) planning, an additional AOI was identified as a secondary release area due to soil movement from an identified AOI to a separate location on-facility.

The SI findings determined the presence of five PFAS compounds listed in the 6 July 2022 Office of the Secretary of Defense (OSD) memorandum: perfluorooctanesulfonic acid (PFOS), perfluorooctanoic acid (PFOA), perfluorononanoic acid (PFNA), and perfluorohexanesulfonic acid (PFHxS). At AOI 1, PFOS, PFOA, and PFHxS exceeded their respective screening levels (SLs) in groundwater (maximum detection was 15,000 nanograms per liter [ng/L] PFOS); PFOS exceeded its SL in surface soil (maximum detection of 60.1 micrograms per kilogram [ $\mu\text{g}/\text{kg}$ ]). Groundwater at AOI 2 exceeded SLs for PFOS and PFOA (maximum concentration of 21.8 ng/L PFOS; no SL exceedances observed in soil. At AOI 3, PFOS and PFOA exceeded respective SLs with a maximum concentration of 24.6 ng/L PFOS observed; soil did not exceed SLs. Based on the conceptual site models developed and revised in light of the SI findings, there is potential for exposure to receptors at or adjacent to the facility caused by Department of Defense (DoD) activities. A Remedial Investigation (RI) is recommended for AOIs 1, 2 and 3.

The subject site was tracked as 4315A.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) will be required at this site. The RI was funded in late Fiscal Year 2023. Further actions cannot be determined until after the RI/FS is complete.

# SITE CLOSEOUT SUMMARY

HQAES ID	Site Name	Site Closeout Date	Program Code
4315A.1001	CCNY2020-01-P_ALBANY LATHAM AASF3 PFAS	4/29/2023	Compliance Cleanup

## COMMUNITY INVOLVEMENT

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

# **ROCHESTER/ARMY AVIATION SUPPORT FACILITY (AASF) 2**

**Army Cleanup Program**

**Installation Action Plan**

2023

# CONTENTS

Acronyms.....	1
Phase Translation Table.....	3
Site Alias List.....	4
INSTALLATION RESTORATION PROGRAM Sites.....	5
NY2020-02-P_ROCHESTER AASF2 PFAS CONTAMINATION .....	6
Site Closeout Summary.....	7
Community Involvement .....	8
Five-Year / Periodic Review Summary.....	9
Review Summary Table.....	9
ROD/DDs associated with the last Five-Year/Periodic Review .....	9
Results, Actions & Plans.....	9
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
PA	Preliminary Assessment
PFAS	Per- and Polyfluoroalkyl Substances
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
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
4368A.1002	NY2020-02-P_ROCHESTER AASF2 PFAS CONTAMINATION	- -

# ROCHESTER/AASF 2

## INSTALLATION RESTORATION PROGRAM SITES

## NY2020-02-P\_ROCHESTER AASF2 PFAS CONTAMINATION

HQAES ID: 4368A.1002

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 9/15/2038

RC Date: 9/15/2038

RC Reason: Not assigned

Program: ENV Restoration, Army

Subprogram: IR

<i>Phases</i>	<i>Start</i>	<i>End</i>
<b>PA</b>	8/11/2017	7/28/2020
<b>SI</b>	8/17/2020	9/30/2023
<b>RI/FS</b>	9/15/2031	9/15/2038
<b>RD</b>	--	--
<b>IRA</b>	--	--
<b>RA(C)</b>	--	--
<b>RA(O)</b>	--	--
<b>LTM</b>	--	--

### Site Narrative

A Preliminary Assessment (PA) was completed at the Rochester AASF #2 to assess potential per- and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. The Facility, operated by the New York Army National Guard (NYARNG), is located within the Greater Rochester International Airport in Monroe County, western New York, in the City of Rochester. The Facility was established in 1991, when a small airplane hangar was built, and is utilized as a NYARNG installation that is used for training, maintenance, and unit administration. Prior to 1991, the property was undeveloped. Approximately 500 ft to the east of the Facility is the Genesee River. During the PA, three potential PFAS release areas were identified and grouped into one area of interest (AOI) at the facility.

The SI findings determined the presence of five PFAS compounds listed in the 6 July 2022 Office of the Secretary of Defense (OSD) memorandum: perfluorooctanesulfonic acid (PFOS), perfluorooctanoic acid (PFOA), perfluorononanoic acid (PFNA), and perfluorohexanesulfonic acid (PFHxS). Groundwater at AOI 1 and at a downgradient facility boundary location that receives run-off from the AASF exceeded the screening levels (SLs) for PFOA and PFOS with maximum concentrations of 5.2 nanograms per liter (ng/L) and 8.1 ng/L, respectively. Soil did not exceed any SLs, although PFOA, PFOS, PFHxS, and PFNA were detected in surface soil at AOI 1 [perfluorobutanesulfonic acid (PFBS) was not detected]. Based on the conceptual site model developed and revised in light of the SI findings, there is potential for exposure to receptors at or adjacent to the facility caused by Department of Defense (DoD) activities. A Remedial Investigation (RI) is recommended for AOI 1 at the Rochester AASF #2 based on the groundwater exceedances.

The subject site was tracked as 4368A.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) will be required 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
4368A.1001	CCNY2020-02-P_ROCHESTER AASF2 PFAS CONTAMINATION	4/29/2023	Compliance Cleanup

## COMMUNITY INVOLVEMENT

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

# **RONKONKOMA/ARMY AVIATION SUPPORT FACILITY (AASF) 1**

**Army Cleanup Program**

**Installation Action Plan**

2023

# CONTENTS

Acronyms.....	1
Phase Translation Table.....	3
Site Alias List.....	4
Compliance Cleanup Sites.....	5
CCNY2020-03-P_RONKONKOMA RC AASF1 PFAS CONTAMINATION .....	6
Site Closeout Summary.....	7
Community Involvement .....	8
Five-Year / Periodic Review Summary.....	9
Review Summary Table.....	9
ROD/DDs associated with the last Five-Year/Periodic Review .....	9
Results, Actions & Plans.....	9
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
PA	Preliminary Assessment
PFAS	Per- and Polyfluoroalkyl Substances
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
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
4370A.1001	CCNY2020-03-P_RONKONKOMA RC AASF1 PFAS CONTAMINATION	--



# RONKONKOMA/AASF 1

## COMPLIANCE CLEANUP SITES

## CCNY2020-03-P\_RONKONKOMA RC AASF1 PFAS CONTAMINATION

HQAES ID: 4370A.1001

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSPP: Not assigned

RIP Date: 12/31/2023

RC Date: 12/31/2023

RC Reason: Not assigned

Program: Compliance Cleanup

Subprogram: CC

<i>Phases</i>	<i>Start</i>	<i>End</i>
PA	8/11/2017	8/6/2020
SI	8/17/2020	12/31/2023
RI/FS	--	--
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	--	--

### Site Narrative

A Preliminary Assessment (PA) was completed at Ronkonkoma AASF #1 to assess potential per- and polyfluoroalkyl substances (PFAS) release areas and exposure pathways to receptors. The Facility, which is operated by New York Army National Guard (NYARNG), encompasses approximately 1.5 acres and is located adjacent to the Long Island MacArthur Airport and is owned by the Town of Islip in Ronkonkoma, New York, on Long Island. The Ronkonkoma AASF #1 has one hangar that the NYARNG began operating in 1977, located in the southwest, downgradient, portion of the Long Island MacArthur Airport. One area of interest (AOI) related to potential PFAS releases were identified at the site during the PA.

A Site Inspection (SI) is currently underway. SI field activities were conducted in November 2021 and included the collection of soil and groundwater samples. SI sampling results from the AOI and facility boundary were compared to the 6 July 2022 Office of the Secretary of Defense (OSD) screening levels (SLs). Exceedances of the SLs in groundwater onsite appear to be migrating from upgradient, offsite sources not under the control of Army National Guard (ARNG). These off-site, up/cross-gradient concentrations demonstrate a plume with substantial concentrations of PFAS is present within the Long Island MacArthur Airport complex in the vicinity of the Facility and is entering the Ronkonkoma AASF #1 on its northeastern side. Based on the results of the SI, no further evaluation by the ARNG is warranted for the AOI identified.

**Cleanup Strategy:** Exceedances of the screening levels in groundwater onsite appear to be migrating from upgradient, offsite sources not under control of ARNG. No further evaluation by the ARNG under CERCLA is warranted. Once regulatory approval is received, site will be closed.

## SITE CLOSEOUT SUMMARY

None

## COMMUNITY INVOLVEMENT

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