

FORT JOHNSON

Army Cleanup Program

Installation Action Plan Final

June 2024

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STATEMENT OF PURPOSE

The Installation Action Plan (IAP) provides evidence that the Army is firmly committed to expeditious identification and cleanup of environmental contamination, and that the installation has a credible, organized program to carry out that commitment. The IAP provides an outline of the total multi-year environmental cleanup program for each site with ongoing or future planned restoration activity and includes the (1) environmental restoration requirements, (2) the rationale for the selected technical approach, and (3) foundation to develop corresponding financial needs for each cleanup site.

INSTALLATION OVERVIEW

Installation Name: FORT JOHNSON

Installation City: FORT JOHNSON

Installation County: VERNON

Installation State: LA

Regulatory Participation - Federal: US Environmental Protection Agency (USEPA), Region 6

Regulatory Participation - State: Louisiana Department of Environmental Quality (LDEQ), Remediation Division, Baton Rouge, LA

ACRONYMS

Acronym	Definition
AAFES	Army Air Force Exchange Service
AFFF	Aqueous Film Forming Foam
AOC	Area of Concern
AOI	Area of Interest
AOPI	Areas Of Potential Interest
ASP	Ammunition Supply Point
AST	Aboveground Storage Tank
BETX	Benzene Toluene Ethylbenzene and Xylene
CC	Compliance-related Cleanup
CDL	Construction Material Disposal
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CMI(C)	Corrective Measures Implementation-Construction
CMS	Corrective Measures Study
CRL	Cleanup Restoration & Liabilities
DCA	Dichloroethane
DD	Decision Document
DRO	Diesel Range Organics
EIB	Enhanced In Situ Bioremediation
ENV	Environmental
FS	Feasibility Study
ft	Feet
FY	Fiscal Year
FYR	Five-Year Review
HSWA	Hazardous and Solid Waste Amendment
IAP	Installation Action Plan
ID	Identification
IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
LUC	Land Use Control
LDEQ	Louisiana Department of Environmental Quality
LNAPL	Light Non-Aqueous Phase Liquids
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
MFU	Motor Fuel Unit

Acronym	Definition
MCL	Millcreek Landfill
NFA	No Further Action
NFFD	North Fort Fire Department
NPL	National Priorities List
PA	Preliminary Assessment
PAH	Polycyclic Aromatic Hydrocarbons
PFAS	Per- and Polyfluoroalkyl Substances
POL	Petroleum Oil and Lubricant
PR	Periodic Review
RA	Remedial Action
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RAB	Restoration Advisory Board
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RECAP	Risk Evaluation/Corrective Action Program
RFI	Resource Conservation and Recovery Act Facility Investigation
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy-In-Place
RRSE	Relative Risk Site Evaluation
SC	Site Closeout
SI	Site Inspection
SVOC	Semi-Volatile Organic Compounds
TAPP	Technical Assistance for Public Participation
TPH	Total Petroleum Hydrocarbons
UE	Unrestricted Exposure
UST	Underground Storage Tank
USEPA	US Environmental Protection Agency
UU	Unlimited Use
VOC	Volatile Organic Compound

PHASE TRANSLATION TABLE

CERCLA Phase	RCRA Phase	RCRA UST Phase
Preliminary Assessment (PA)	RCRA Facility Assessment (RFA)	Initial Site Characterization (ISC)
Site Inspection (SI)	Confirmation Sampling (CS)	Investigation (INV)
Remedial Investigation/ Feasibility Study (RI/FS)	RCRA Facility Investigation/Corrective Measures Study (RFI/CMS)	Corrective Action Plan (CAP)
Remedial Design (RD)	Design (DES)	Design (DES)
Interim Remedial Action (IRA)	Interim Measure (IM)	Interim Remedial Action (IRA)
Remedial Action (Construction) (RA(C))	Corrective Measures Implementation (Construction) (CMI(C))	Implementation (Construction) (IMP(C))
Remedial Action (Operations) (RA(O))	Corrective Measures Implementation (Operations) (CMI(O))	Implementation (Operations) (IMP(O))
Long-Term Management (LTM)	Long-Term Management (LTM)	Long-Term Management (LTM)

PROGRAM SUMMARY

Number of Open Sites with Response Complete/Total Open IR Sites: 2/9

Number of Open Sites with Response Complete/Total Open MR Sites: 0/0

Number of Open Sites with Response Complete/Total Open CC Sites: 1/1

SITE-LEVEL INFORMATION

22725.1008_POLK-08_MILL CREEK LANDFILL

Env Site ID: POLK-08

Cleanup Site: MILL CREEK LANDFILL

Alias: POLK-08

Regulatory Driver: CERCLA

RIP Date: 9/30/2004

RC Date: 9/30/2004

RC Reason: Other

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	9/30/1987	5/31/1990
SI:	9/30/1987	5/31/1990
RI/FS:	1/31/1995	11/30/1998
RD:	1/31/1999	5/17/2001
IRA:	--	--
RA(C):	5/18/2001	9/30/2004
RA(O):	--	--
LTM:	10/31/2004	9/30/2054

Site Narrative: POLK-08 [aka Mill Creek Landfill (MCL) or SWMU17] is a closed landfill that is located in the intensive use area of Fort Johnson on Mill Creek Road covering over 40-acres. A large portion of the landfill is now located within the boundaries of the ammunition supply point (ASP) for Fort Johnson. The landfill was operated from 1947 until 1986 and was used for the disposal of hazardous and nonhazardous wastes, which included industrial, municipal, medical, wastes, and construction debris. A preliminary assessment (PA) and site inspection (SI) concluded that groundwater, surface water, soil, and sediment were contaminated with organics pesticides nitroaromatics and metals. The Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) results concluded that solvents and pesticides above the Risk Evaluation/Corrective Action Program (RECAP) levels were present at many scattered areas on the site. In FY2000, all exposed debris was consolidated from areas of concern (AOC) and moved to a central location to be capped. The remedy was to construct an engineered cover system which involved capping the 32-acre. The engineered cap consists of a drainage system covered by impermeable synthetic fabric. The synthetic fabric was covered with a clay cap topsoil and a thick grass cover. 12 groundwater monitoring wells were installed to monitor metals, volatile organic compounds (VOC), semi-volatile organic compounds (SVOC), pesticides, and herbicides. The primary constituents of concern are arsenic, 1,2-dichloroethane (1,2-DCA), benzene, chloroethane, vinyl, chloride, and 2-methylnaphthalene. In accordance with Louisiana Department of Environmental Quality (LDEQ) guidance two groundwater monitoring wells shall be sampled semiannually and 10 wells shall be sampled annually. The landfill is surveyed every five to eight years (in accordance with LDEQ letter dated July 27, 2016) to determine if settling of the contents has occurred. Groundwater monitoring will continue in the 12 wells. Maintenance and upkeep at the site include grass mowing, seeding, fertilizing, erosion control, repairs to fences, and access roads. A work plan was approved by LDEQ on Nov. 25, 2019, for a one-time study in the vicinity of monitoring well's 6 & 11 to determine if specific contaminants are migrating through a sand trench and then off the site. LDEQ approved the final Mill Creek Landfill official summary report in September 2021. Based on the results of the report, no further

studies were required. Cleanup/Exit Strategy - Continue long-term management (LTM). Also included are five-year reviews.

22725.1011_POLK-11_CONSTRUCTION MATERIAL DISPOSAL A

Env Site ID: POLK-11

Cleanup Site: CONSTRUCTION MATERIAL DISPOSAL A

Alias: POLK-11

Regulatory Driver: CERCLA

RIP Date: 1/31/2003

RC Date: 10/15/2004

RC Reason: All Required Cleanup(s) Completed

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	9/30/1987	5/31/1990
SI:	9/30/1987	5/31/1990
RI/FS:	2/28/1995	12/31/1999
RD:	8/31/2000	9/30/2001
IRA:	--	--
RA(C):	1/31/2001	11/30/2002
RA(O):	1/31/2003	10/15/2004
LTM:	10/15/2004	9/30/2054

Site Narrative: POLK-11 (aka Construction Material Disposal Area or CDL) is a closed landfill. This former construction debris disposal site is approximately 20 acres. The landfill was used to dispose of debris from construction and demolition activities at the installation during the 1970s. A facility wide RFI was started in 1995. Analytical results indicated surface water and soil contamination were present above regulatory limits. The RFI report identified two surface seeps along the northwestern edge of the landfill. The seep water was flowing into an intermittent tributary of the Whiskey Chitto Creek which is located approximately 200-feet (ft) north of the seeps. A RECAP assessment for the CDL determined that the constituents of the seeps (arsenic iron lead and manganese) presented an environmental risk at the site due to metals impact to surface water. A decision document (DD) was prepared that identified drainage controls construction of a collection/cut-off trench a retention pond to control erosion and two leach fields to distribute the runoff over a larger area as the selected remedial action (RA). Quarterly sampling and analysis of the seep system began in 2003. Construction of seep controls was completed in 2004. A five-year review conducted in 2009 concluded that the seep management system is working as designed, and the remedy selected remains protective of human health and the environment. Samples are collected semiannually based on an approval letter from LDEQ dated Mar. 6, 2017. In the same approval letter, LDEQ requested the establishment of a third compliance point to monitor the seep exit point. The third compliance point was established and LTM continues. Cleanup/Exit Strategy - Continue LTM. Also included are five-year reviews.

22725.1038_CCBLdg7199_North Fort Fire Department

Env Site ID: CCBLdg7199

Cleanup Site: North Fort Fire Department

Alias: CCBLDG7199

Regulatory Driver: RCRA-I

RIP Date: 12/31/2024

RC Date: 12/31/2024

RC Reason: Not assigned

SC Date: 1/1/2025

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE: Not Evaluated

MRSPP: N/A

Phase	Start	End
ISC:	12/31/2007	12/31/2007
INV:	8/31/2009	8/15/2013
CAP:	8/15/2013	6/18/2015
DES:	9/15/2016	12/20/2016
IRA:	12/21/2016	7/9/2020
IMP(C):	7/10/2020	12/31/2024
IMP(O):	--	--
LTM:	--	--

Site Narrative: CCBLdg7199 (North Fort Fire Department aka NFFD) is located in the north Fort Johnson cantonment area. The site was formerly a convenience store/service station operated by the Army Air Force Exchange Service (AAFES) between 1950 and 1993. Three 10,000-gallon underground storage tanks (UST) were removed in 1994. The USTs were used to store gasoline. A fuel distribution network of USTs underground pipes and fuel dispensers were present at the site. Fueling operations were halted in 1993 and the USTs were removed. Soil from the excavation was analyzed and found to be contaminated with benzene toluene ethylbenzene and xylene (BETX). The soil was stockpiled at the site. A bioremediation treatment was performed which entailed placing three six-inch layers of soil on plastic. Each six-inch lift was treated with LFS-1 nutrient. The 18-inch piles were bioremediated for one month. Post-treatment samples were collected, and lab results indicated that contamination was below LDEQ limits. The soil was used as backfill material and returned to its origin. Subsequently the tank pit was covered with concrete. The UST removal report indicated that residual hydrocarbons were present within the pit above LDEQ limits. A PA/SI was initiated in 2007 because of an unrelated project where a contractor digging in the area discovered petroleum aromatics within the soil. The SI found petroleum impacts above LDEQ RECAP standards in surface soil. The site required semiannual monitoring of four monitoring wells for BETX contamination in the groundwater until concentrations fell below RECAP limits. In order to achieve unlimited use (UU)/unrestricted exposure (UE), as a result of the current and future Fore Station, the corrective measures study (CMS) dated February 2015 selected site excavation and backfill as the appropriate remedy. LDEQ concurred later that year. Corrective measures implementation construction (CMI(C)) is currently underway. In 2020, a portion of the remedial action was completed through excavation ending the interim action phase. However, remaining contamination was discovered in the distribution network which required a new contract effort to achieve the remedial objective of unlimited use/unrestricted exposure (UU/UE). Cleanup/Exit Strategy - The work plan has been submitted and approved by LDEQ in December 2020 and was updated due to site conditions changes in late 2021. CMI(C) is scheduled to be completed in 2024 to UU/UE.

22725.1040_CCBLDG3401_BLDG 3401 Former AST and Pump

Env Site ID: CCBLDG3401

Cleanup Site: BLDG 3401 Former AST and Pump

Alias: BLDG 3401

Regulatory Driver: RCRA-C

RIP Date: 12/31/2025

RC Date: 12/31/2025

RC Reason: Not assigned

SC Date: 9/30/2054

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE: Not Evaluated

MRSPP: N/A

Phase	Start	End
RFA:	6/30/1993	8/31/1993
CS:	4/30/1994	10/31/1999
RFI/CMS:	9/30/2007	6/30/2015
DES:	10/15/2015	6/3/2016
IRA:	--	--
CMI(C):	10/15/2015	12/31/2025
CMI(O):	--	--
LTM:	1/1/2026	9/30/2054

Site Narrative: CCBLDG3401 is located in the 3400 block of south Fort Johnson. The site is identified on historic maps (as built drawings) as Motor Fuel Unit No. 5. This site was identified for corrective action measures under the Hazardous and Solid Waste Amendment (HSWA) of RCRA Subpart X Operating Permit. The motor fuel unit consisted of three fill boxes, a pump house, six 12,000-gallon aboveground storage tanks (AST), four-inch underground fuel lines, and two areas with fuel dispensing nozzles. At the north fueling site was a pump island with nine fueling nozzles. At the south fueling site was a pump island with four fueling nozzles. During the RFI significant petroleum oil and lubricant (POL) impacts were found. The primary media of concern identified was soil contamination. The secondary media of concern was groundwater contamination. The primary constituents of concern identified were fuel components such as total petroleum hydrocarbons (TPH) BTEX diesel range organics (DRO) and polycyclic aromatic hydrocarbons (PAH). Secondary contaminants of concern identified were metals. The 2015 completed Feasibility Study identified three areas of interest (AOI); AOI A B and C. The approved alternative for AOI C was excavation and backfill which has been completed. On Oct. 11, 2017, LDEQ approved closure of AOI C to a residential UU/UE setting. AOI A and B will be remediated to an industrial land use setting. Cleanup/Exit Strategy - The selected remedy at AOI A includes excavation to an industrial level and AOI B includes LNAPL removal and enhanced in situ bioremediation (EIB). EIB will take place once all light non-aqueous phase liquids (LNAPL) has been removed. LDEQ approved the work plans in December 2021. Cleanup for AOI A and B will not achieve UU/UE status. The Corrective Measures Implementation Completion (CMI-C) Report for AOI A was approved by LDEQ on Sept. 28, 2023. Following well abandonment, it is anticipated that LDEQ will issue a no further action - at this time (NFA-ATT) letter. The Supplemental Site Characterization Report for AOI B was submitted to LDEQ on Aug. 17, 2023. It is anticipated cleanup will continue in the form of LNAPL removal at AOI B before resubmitting to LDEQ. If

the NFA letter has land use controls (LUC) identified, LTM may be required in the future in the form of periodic reviews.

22725.1042_CC2600-2700_Motor Fuel Units 1 & 2

Env Site ID: CC2600-2700

Cleanup Site: Motor Fuel Units 1 & 2

Alias: 26-2700BLK

Regulatory Driver: CERCLA

RIP Date: 12/16/2026

RC Date: 12/16/2026

RC Reason: Not assigned

SC Date: 9/30/2056

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE: Not Evaluated

MRSPP: N/A

Phase	Start	End
PA:	10/31/2008	1/31/2010
SI:	9/5/2013	6/10/2015
RI/FS:	11/24/2015	12/15/2026
RD:	--	--
IRA:	6/26/2013	12/15/2014
RA(C):	12/16/2026	12/16/2026
RA(O):	--	--
LTM:	12/17/2026	9/30/2056

Site Narrative: CC2600-2700 (aka Motor Fuel Units 1 and 2) is located in both the 2600 and 2700 blocks of the south Fort Johnson cantonment area. It was originally constructed as a fueling area in the early 1940s. A fuel distribution network of USTs underground pipes and fuel dispensers were present at the site which were previously removed at an unknown time. Discovery of contamination occurred later surrounding the left-in-place fuel lines. The RI/FS phase is currently underway. The media of concern are soil and groundwater. Possible sources of contamination at this motor fuel unit (MFU) site include leakage from the distribution lines and operational fuel spills. Because the two sites are located in close proximity and their construction was very similar, both blocks have been combined into a single site. The 2600 block area is identified as built drawings dated 1941 as MFU No. 1. The 2700 block area was identified as MFU No. 2. Each site had a tank farm consisting of four 12,000-gallon aboveground storage tanks (AST). An interim removal of the steel fuel piping took place between 2012 and 2014. Any lines that could not be removed were purged and left in place. The RI phase started in 2015. LDEQ approved the RI for MFU 1 on April 23, 2018, with NFA required UU/UE status. However, the RI for the 2700 block portion (MFU No. 2) may still require further remedial actions, and hence, the site's phase is still open in the RI/FS phase. MFU No. 2 preliminary RI results demonstrated exceedances of contaminants in soil and/or groundwater, requiring the site remedial action alternatives to be evaluated in a feasibility study. However, the work was incomplete in 2019 because of draft RIs. A new RI work effort began in 2020 and will continue through the DD phase ending in 2026. Cleanup/Exit Strategy - Regulatory draft RI was submitted to LDEQ in August 2021 indicating no risk and no required cleanup action at the industrial level. The Draft Final Remedial Investigation Report was resubmitted on Nov. 14, 2022. Complete the RI, PP, and DD.

22725.1043_CC3700_Motor Fuel Unit No. 7

Env Site ID: CC3700

Cleanup Site: Motor Fuel Unit No. 7

Alias: 3700BLK

Regulatory Driver: CERCLA

RIP Date: 12/16/2026

RC Date: 12/16/2026

RC Reason: Not assigned

SC Date: 9/30/2056

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE: Not Evaluated

MRSPP: N/A

Phase	Start	End
PA:	10/31/2008	1/31/2010
SI:	9/5/2013	6/10/2015
RI/FS:	11/24/2015	12/15/2026
RD:	--	--
IRA:	6/26/2013	12/15/2014
RA(C):	12/16/2026	12/16/2026
RA(O):	--	--
LTM:	12/17/2026	9/30/2056

Site Narrative: CC3700 (aka Motor Fuel Unit No. 7) is located in the 3700 block of the south Fort Johnson cantonment area. It was originally constructed as a fueling area in the early 1940s. Based on historical narratives fueling operations continued until approximately 1975. The site is identified on historic maps as MFU No. 7. The media of concern are soil and groundwater contamination. Contaminants of concern are fuels and metals. Sources of contamination at this site include leakage fuel spills and petroleum products released via underground piping. An interim removal of the steel fuel piping took place between 2012 and 2014. Any lines that could not be removed were purged and left in place. The RI phase started in 2015. MFU No. 7 preliminary RI results demonstrate exceedances of contaminants in soil and/or groundwater, requiring the site remedial action alternatives to be evaluated in a FS. However, the work was incomplete in 2019 because of draft RIs. A new RI work effort began in 2020 and will continue through the DD phase ending in 2026. Cleanup/Exit Strategy - Regulatory draft RI was submitted to LDEQ in August 2021 indicating no risk and no required cleanup action at the industrial level. The Draft Final Remedial Investigation Report was resubmitted on Nov. 14, 2022. Complete the RI, PP, and DD.

22725.1044_CC3500-3600_Motor Fuel Unit No. 6

Env Site ID: CC3500-3600

Cleanup Site: Motor Fuel Unit No. 6

Alias: 35-3600BLK

Regulatory Driver: CERCLA

RIP Date: 12/15/2026

RC Date: 12/15/2026

RC Reason: Not assigned

SC Date: 12/16/2026

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE: Not Evaluated

MRSPP: N/A

Phase	Start	End
PA:	10/31/2008	1/31/2010
SI:	9/5/2013	6/10/2015
RI/FS:	11/24/2015	12/15/2026
RD:	--	--
IRA:	6/26/2013	12/15/2014
RA(C):	--	--
RA(O):	--	--
LTM:	--	--

Site Narrative: CC3500-3600 (aka MFU No. 6) is located in the 3500 and 3600 blocks of the south Fort Johnson cantonment area. It was originally constructed as a fueling area in the early-1940s. Based on historical narratives fueling operations continued until approximately 1975. The site is identified on historic maps as MFU No. 6. The media of concern is surface / subsurface soil and groundwater contamination. The primary contaminant is fuel. Sources of contamination at this site include leakage fuel spills and petroleum products released from underground piping. An interim removal of the steel fuel piping took place between 2012 and 2014. Any lines that could not be removed were purged and left in place. The RI phase started in 2015. MFU No. 6 preliminary RI results demonstrate exceedances of contaminants in soil and/or groundwater requiring the site remedial action alternatives to be evaluated in a feasibility study. However, the work was incomplete in 2019 because of draft RIs. A new RI work effort began in 2020 and will continue through the DD phase ending in 2026. Cleanup/Exit Strategy - Regulatory draft RI was submitted to LDEQ in August 2021 indicating no risk and no required cleanup action at the residential level. The Final Remedial Investigation Report was approved by LDEQ on Aug. 16, 2023. LDEQ will issue a NFA letter following an inspection to confirm no monitoring wells exit on the site. Complete the PP and DD.

22725.1045_CC3100-3200_Motor Fuel Unit No 4

Env Site ID: CC3100-3200

Cleanup Site: Motor Fuel Unit No 4

Alias: 31-3200BLK

Regulatory Driver: CERCLA

RIP Date: 12/15/2026

RC Date: 12/15/2026

RC Reason: Not assigned

SC Date: 12/16/2026

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE: Not Evaluated

MRSPP: N/A

Phase	Start	End
PA:	10/31/2008	1/31/2010
SI:	2/28/2011	12/15/2014
RI/FS:	9/15/2014	12/15/2026
RD:	--	--
IRA:	1/15/2012	12/15/2014
RA(C):	--	--
RA(O):	--	--
LTM:	--	--

Site Narrative: CC3100-3200 (aka MFU No. 4) straddles the 3100 and 3200 blocks of the south Fort Johnson cantonment area. It was originally constructed as a fueling area in the early 1940s. Based on historical narratives fueling operations continued until approximately 1975. The site is identified on as built drawings and maps as MFU No. 4. In 2005 a bulldozer unearthed and cut one of the fuel lines in the 3100 block. The line contained gasoline. The media of concern is groundwater and soil contamination. The primary contaminant is fuel. The secondary contaminant is metals. Sources of contamination at this site include leakage fuel spills and petroleum products released from underground piping. An interim removal of the steel fuel piping took place between 2012 and 2014. Any lines that could not be removed were purged and left in place. The RI phase started in 2015. MFU No. 4 preliminary RI results demonstrate exceedances of contaminants in soil and/or groundwater requiring the site remedial action alternatives to be evaluated in a feasibility study. However, the work was incomplete in 2019 because of draft RIs. A new RI work effort began in 2020 and will continue through the DD phase ending in 2026. Cleanup/Exit Strategy - Regulatory draft RI was submitted to LDEQ in August 2021 indicating no risk and no required cleanup action at the residential level The Final Remedial Investigation Report was approved by LDEQ on Aug. 16, 2023. LDEQ will issue a NFA letter following an inspection to confirm no monitoring wells exist on the site. Complete the PP and DD.

22725.1049_POLK-25_PFAS

Env Site ID: POLK-25

Cleanup Site: PFAS

Alias: #

Regulatory Driver: CERCLA

RIP Date: 10/1/2030

RC Date: 10/1/2030

RC Reason: Not assigned

SC Date: 10/2/2030

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	5/21/2018	6/24/2019
SI:	6/25/2019	6/1/2022
RI/FS:	6/2/2022	10/1/2030
RD:	--	--
IRA:	--	--
RA(C):	--	--
RA(O):	--	--
LTM:	--	--

Site Narrative: Per- and Polyfluoroalkyl Substances (PFAS) are widely used chemicals found in aqueous film forming foam (AFFF) for testing training firefighting and other life-saving emergency responses. At the direction of the Assistant Chief of Staff for Installation Management, a PFAS site was created to track PFAS specific costs. A Preliminary Assessment (PA) was completed in 2019 and identified nine Areas of Potential Interest (AOPI) for further study during the Site Investigation (SI) phase. Metals are the contaminant of concern for Fort Johnson, while groundwater and soils are the media of concern.

The SI completed on June 1, 2022, found PFOS, PFOA, PFBA, PFNA, PFHxA, and/or PFHxS detected in soil and/or groundwater at nine AOPIs. Eight of the nine AOPIs had PFAS compounds present at concentrations greater than the risk-based screening levels. The Fort Johnson PA/SI report identified the need for further study and recommends the sites move to the Remedial Investigation (RI) phase. The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) process will be used for the PFAS sites.

22725.1048_CCPOLK-09_LANDFILL-CHAFFEE ROAD

Env Site ID: CCPOLK-09

Cleanup Site: LANDFILL-CHAFFEE ROAD

Alias: POLK-09

Regulatory Driver: RCRA-D

RIP Date: 10/11/1995

RC Date: 10/11/1995

RC Reason: Study Completed, No Cleanup Required

SC Date: 9/30/2054

Program: Compliance-related Cleanup

Subprogram: CC

NPL Status: No

Hazardous Ranking Score: 0

RRSE: N/A

MRSPP:

Phase	Start	End
RFA:	9/15/1987	5/15/1990
CS:	9/15/1987	5/15/1990
RFI/CMS:	10/1/1993	10/11/1995
DES:	--	--
IRA:	--	--
CMI(C):	--	--
CMI(O):	--	--
LTM:	8/15/2011	9/30/2054

Site Narrative: CCPOLK-09 is located west of Chaffee Road and is a closed state-permitted landfill of municipal waste generated from housing and post activities. The site is designated as SWMU 18. Elevated concentrations of barium chloride iron and manganese were detected in the groundwater. Operations at this site ceased on Sept. 30, 1993. This site is currently under an RCRA Closure Plan approved by the LDEQ on March 11, 1999. On Nov. 21, 2001, the LDEQ sent Fort Johnson a letter to discontinue groundwater monitoring and to plug and abandon the monitoring wells. However, the closure plan still includes 30 years of maintenance of the final cover system to include cap maintenance, mowing, annual inspection, and reporting storm water management erosion repair maintenance of the gas collection system and LUCs (e.g. fencing). Multiple landfill slope failures have occurred from 2015-2019. As a result, a supplemental investigation was completed in 2020, identifying the cause of the failures due to unregulated hydrologic pressure. A second investigation in 2023 identified issues with the stormwater drainage system as being a potential source of the failures. Cleanup/Exit Strategy - In FY22, a leachate collection system was designed and installed to repair erosion damage and is ongoing. The stormwater drainage systems will be repaired in FY24. LTM will continue, as well as periodic reviews.

SITE SUMMARY

SITE CLOSEOUT SUMMARY

CRL ID	Site Name	Site Closeout Date
22725.1001	POLK-01_HAZ WASTE CONTAINER STORAGE (BLD	3/31/1988
22725.1002	POLK-02_DOL SOLVENT WASTE STORAGE AREA	8/31/2001
22725.1003	POLK-03_SOUTH FORT POLK WASTEWATER LAGOO	2/28/1999
22725.1004	POLK-04_NORTH TANK PREWASH FAC LAGOONS	5/31/1990
22725.1005	POLK-05_SOUTH TANK PREWASH FAC LAGOONS	5/31/1990
22725.1006	POLK-06_RANGE 23A CHEMICAL AGENT BURIAL	9/30/2001
22725.1007	POLK-07_BAYOU ZOURIE LANDFILL	9/30/2015
22725.1009	POLK-09_LANDFILL-CHAFFEE ROAD	10/11/1995
22725.1010	POLK-10_SLUDGE LANDFARM Chaffee Road	5/31/1990
22725.1012	POLK-12_S FORT STP	5/31/1990
22725.1013	POLK-13_N FORT STP	5/31/1990
22725.1014	POLK-16_DEMO AREA, EOD (45TH)	5/31/1990
22725.1015	POLK-17_ORIGINAL FIREFIGHTER TRAINING AR	9/30/2015
22725.1016	POLK-18_FORMER FIRE TRAINING PIT	9/30/2015
22725.1017	POLK-19_DOL STEAM CLEAN WASHRACK DISCHAR	5/31/1990
22725.1018	POLK-20_BATTERY SHOP DISCHARGE	5/31/1990
22725.1019	POLK-21_FORMER BURNING GROUND	9/30/2012
22725.1020	POLK-22_K AVENUE MOGAS SITE	9/30/2012
22725.1021	POLK-23_DEH, PAINT BOOTH AND PAINT WASTE	9/30/2015
22725.1022	POLK-24_FORMER AMMO SUPPLY POINT	9/30/2003
22725.1032	Bldg 7602_Chemical Agent Area	4/30/2009
22725.1035	CCBldg7016_CUBIC AST	10/31/2012
22725.1036	CCBldg8716_NFWWTP Digester	11/30/2016
22725.1037	CCBldg1725_Former AAFES Car Care Center	4/23/2021
22725.1039	CCSWMU23_2600 Block VMU -SWMU 23A	1/26/2017
22725.1041	CCSWMU26_Motor Fuel Unit at 2900-3100 bl	12/13/2022
22725.1023	POLK-001-R-01_CASTOR 5 TRAINING AREA A	4/6/2020
22725.1024	POLK-002-R-01_BIVOUAC AND MANEUVER AREA	7/31/2009
22725.1025	POLK-003-R-01_Mill Creek 1,2 & 3 Trainin	11/15/2017
22725.1026	POLK-004-R-01_BLUE HOLE REC AREA	4/6/2020
22725.1027	POLK-005-R-01_LUA CYPRESS AND LONGLEAF	7/31/2009
22725.1028	POLK-006-R-01_LUA COOTERS BOG	5/1/2003
22725.1029	POLK-007-R-01_NATIONAL CEMETERY	7/31/2009
22725.1030	POLK-008-R-01_NORTHWESTERN STATE UNIVERS	5/1/2003
22725.1031	POLK-009-R-01_FORMER ASP	7/31/2009
22725.1033	POLK-001-R-02_Castor 5 Training Area B	7/31/2009
22725.1034	POLK-003-R-02_Mill Creek 1,2, & 3 Traini	4/30/2009

COMMUNITY INVOLVEMENT

Community Involvement Plan (Date Last Reviewed):	9/19/2019
Technical Review Committee Establishment Date:	N/A
Restoration Advisory Board (RAB) Establishment Date:	N/A
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	N/A
Reasons for Not Establishing RAB:	No sufficient, sustained community interest in a RAB has been expressed by the community
RAB Date of Solicitation from Community:	03/04/2022
RAB Results of Solicitation:	N/A
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A
Administrative Record Location:	1647 23rd Street, Bldg. 2516, Fort Johnson, LA 71459
Information Repository Location:	Vernon Parish Library, 1401 Nolan Trace, Leesville, LA 71446

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Status	Review Type	Start Date	End Date	Plans Narrative	Actions Narrative	Results Narrative
Completed	FYR	3/1/2019	3/1/2020	N/A	N/A	The landfill closure remedies at two landfills remain protective.
Planned	FYR	11/23/2023	11/23/2024	N/A	N/A	N/A
Planned	PR	11/23/2023	11/23/2024	N/A	N/A	N/A