

CARLISLE BARRACKS

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: CARLISLE BARRACKS

Installation City: CARLISLE

Installation County: Cumberland County

Installation State: Pennsylvania

Regulatory Participation - Federal: N/A

Regulatory Participation - State: N/A

ACRONYMS

Acronym	Definition
AFFF	Aqueous Film-Forming Foam
AOPI	Area of Potential Interest
CC	Compliance-related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CRL	Cleanup Restoration & Liabilities
ENV	Environmental
FS	Feasibility Study
FY	Fiscal Year
IAP	Installation Action Plan
ID	Identification
IR	Installation Restoration
IRA	Interim Remedial Action
LTM	Long-Term Management
MR	Munitions Response
MRSPP	Munitions Response Site Prioritization Protocol
NPL	National Priorities List
OSD	Office of the Secretary of Defense
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
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy-in-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SC	Site Closeout
SI	Site Inspection
TAPP	Technical Assistance for Public Participation

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: 0/1

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

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

SITE-LEVEL INFORMATION

42155.1006_CRLB-05_PFAS

Env Site ID: CRLB-05

Cleanup Site: PFAS

Alias: #

Regulatory Driver: CERCLA

RIP Date: 9/20/2030

RC Date: 9/20/2030

RC Reason: Not assigned

SC Date: 9/20/2030

Program: ENV Restoration, Army

Subprogram: IR

NPL Status: No

Hazardous Ranking Score: 0

RRSE:

MRSPP: N/A

Phase	Start	End
PA:	9/30/2017	9/15/2019
SI:	9/20/2019	12/28/2022
RI/FS:	10/01/2022	9/20/2030
RD:	--	--
IRA:	--	--
RA(C):	--	--
RA(O):	--	--
LTM:	--	--

Site Narrative: An investigation of the presence of per- and polyfluoroalkyl substances (PFAS) is underway. The PFAS Areas of Potential Interest (AOPIs) at this time are the Current Fire Station (Bldg. 400), Fire Station Support Facility (Bldg. 400B), Helipad and aqueous film-forming foam (AFFF) Equipment Testing Area, AFFF Storage Area (Bldg. 325), and Temporary AFFF Storage (Bldg. 310A). The current and reasonably anticipated land is to remain the same. There is a potential for groundwater originating at the AOPIs may also flow off-post. The findings of the investigation will be presented in a combined preliminary assessment (PA) /site inspection (SI) report. The preliminary assessment (PA) phase concluded with the identification of five areas of potential interest (AOPI). Sampling of these sites for the SI phase was conducted June 29-30, 2020. The groundwater and shallow soil (0.5 to 2.0 feet) sample results indicated levels below the 2019 Office of the Secretary of Defense (OSD) industrial/commercial or residential risk screening levels. Data from the SI showed PFAS at all AOPIs below 2021 OSD screening levels (below 40 parts per trillion). No further action was to take place and the site was expected to be closed in fiscal year (FY)23. However, upon subsequent update to the OSD screening levels for PFAS in July 2022, and comparison to the SI levels, the Army determined that this site would remain open, and the investigation will move into the remedial investigation (RI) phase for Current Fire Station, Fire Station Support Storage Facility, Helipad-AFFF Equipment Testing Area, and AFFF Storage Area. Cleanup and exit strategy-Preliminary results of the SI indicate the potential for four areas of potential interest (AOPI). The Remedial/Feasibility Study (RI/FS) is underway.

SITE SUMMARY

SITE CLOSEOUT SUMMARY

CRL ID	Site Name	Site Closeout Date
42155.1001	CRLB-01_BLDG 325 DEH ENTOMOLOGY SECTION	10/31/1983
42155.1002	CRLB-02_DPCA GLF COURSE BLDG 879	10/31/1983
42155.1003	CRLB-03_SANITARY SEWERSYSTEM CONN TO REG	10/31/1983
42155.1004	CRLB-04_BLDG 323- USTS	6/30/1993
42155.1005	CARL-001-R-01_TRAINING AND MANEUVER AREA	5/31/2003

COMMUNITY INVOLVEMENT

Community Involvement Plan (Date Last Reviewed):	Pending
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:	Installation is looking into options to execute RAB solicitation.
RAB Date of Solicitation from Community:	Pending
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:	Environmental Office at Carlisle Barracks, 330 Engineer Avenue, Carlisle, PA 17013
Information Repository Location:	Environmental Office at Carlisle Barracks, 330 Engineer Avenue, Carlisle, PA 17013

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Status	Review Type	Start Date	End Date	Plans Narrative	Actions Narrative	Results Narrative
N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A