Air Force Installation & Mission Support Center



Joint Base Langley-Eustis Langley Environmental Restoration Program

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Purpose



Provide information on the Joint Base Langley-Eustis (JBLE) Langley Air Force Base Environmental Restoration Program (ERP) to include:

- ERP Program Overview
- Installation Restoration Program (IRP) Activities
- Military Munitions Response Program (MMRP) Activities
- Per- and Polyfluoroalkyl Substances (PFAS) Activities
- Community Involvement Plan Activities



Langley ERP Overview



What led to the development of the Langley ERP?

- The potential risk to human health and the environment was significant enough for the U.S. Environmental Protection Agency to place Langley on the National Priorities List in 1994 due to:
 - Analysis of samples indicated presence of polychlorinated biphenyls (PCBs), pesticides, polyaromatic hydrocarbons, lead, and silver in surface water and sediment
 - Migration of contaminants to creeks and estuaries and the upper water table at some sites; potential for impact to the Back River
- On October 1, 2010, Joint Base Langley-Eustis was formed, and the U.S. Air Force assumed the U.S. Army's obligations under the 2009 Federal Facility Agreement which outlined how to proceed with cleanup



Langley ERP Overview (cont.)



- IRP Sites: 66
 - 55 Remedial actions completed (sites closed)
 - 11 Long-Term Monitoring
- MMRP Sites: 16
 - 11 Removed from program (no risks identified)
 - 5 Require on-going actions
- PFAS Sites: 5
 - Remedial Investigation (RI) underway
 - Due Diligence project in progress
- No Native American artifacts discovered to date



Contaminated soil removal at ERP Site OT-25



Langley IRP Activities



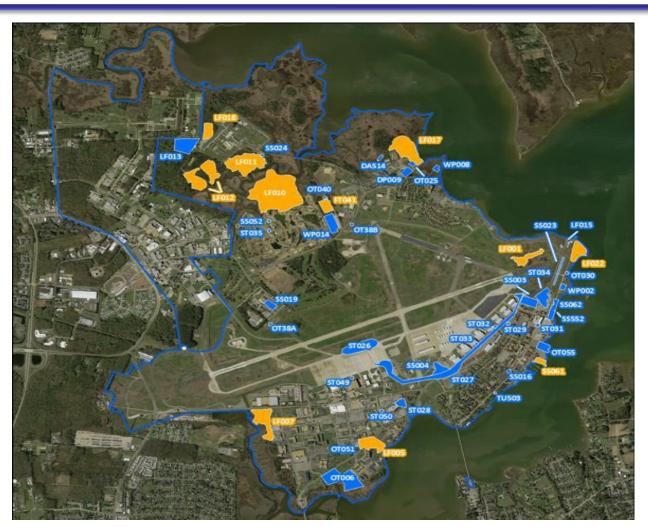
- Conducted Long Term Management (LTM)
 - Land Use Controls/Site Inspections at LF-01, 05, 07, 10, 11, 12, 17, 18, 22, FT-41, and SS-61 (Figure 1)
 - Final 2022 Annual LTM Report Aug 2023; no issues identified
 - Final 2023 Annual LTM Report ECD: Mar 2024
- Conducting 5th Five Year Review for LF-01, 05, 07, 10, 11, 12, 17, 18, 22, OT-25, FT-41, and SS-61
 - ECD: Dec 2024

LF - Landfill
FT - Fire Training Area
SS - Spill Site
ECD - estimated completion date



Figure 1 – Langley IRP Site Map





SITE STATUS





NOT SHOWN

- OT-56 Storm Sewers (closed)
- •SS-62 West End Mile Long Building (closed)
- •SS-63 Surface Water/Sediment (closed)
- •OT-64 Groundwater (All parcels closed)
- •Off-base sites:
 - WP-42 Former Bethel Manor WWTP (closed)
 - ST-48 Bethel Manor Service Station (closed)

WWTP – Wastewater Treatment Plant



Langley MMRP Activities



- MU157 (Historic Bombing Range): installing UXO warning signs ECD: TBD (Figure 2)
- TS158: (Skeet Range [soil]): excavate soil with offsite disposal ECD: 2026 (Figure 3)
- TS158a: (water) deployed 1st round of sediment traps Sep 2023; analyze sediment for contaminants
 - Monitor sedimentation rates and contaminant concentrations to model natural recovery
 - Monitoring/sampling will be conducted over next 5 years

MU – Munitions Unit UXO – unexploded ordnance TBD – to be determined TS – Trap and Skeet Range



Figure 2 – MU157 (Historic Bombing Range)







Figure 3 - TS158/TS158a (Former Skeet Range)







Langley PFAS Activities



Note: All Langley drinking water is provided by Newport News Water Works

- Phase 1 PFAS RI contract awarded Jun 2022
 - Will determine nature/extent in soil and groundwater at 5 sites (Figure 4)
 - Final Report ECD: 2025
- Phase 2 PFAS RI ESD: 2025
 - Will conduct human health and ecological risk assessments
- Due Diligence project for Non-AFFF Areas at Langley
 - Kickoff meeting 27 Jan 2023
 - Reviewed historical records and conducted interviews on activities that may have contributed to PFAS contamination from non-AFFF sources
 - e.g., wastewater treatment plants, paint booths, motor pools, radar domes
 - Due Diligence project report ECD: Mar 2024

ESD – estimated start date
AFFF – aqueous film-forming foam



Figure 4 – PFAS RI Site Map







Langley Community Involvement Plan



- Langley Community Involvement Plan
 - Previous plan updated 2022
 - Update planned for 2024
- Langley Restoration Advisory Board (RAB)
 - No public meetings; annual updates provided to Board members via email
 - RAB members contacted annually by email to determine need for public meeting
 - Public notice to solicit input published in Daily Press every other year (next notice 2024)



Contact/website Information



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