

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



Closed Sites



Long Term Management

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)



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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

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Figure 4 – PFAS RI Site Map



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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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