



FACT SHEET

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INSTALLATION RESTORATION PROGRAM - WRIGHT-PATTERSON AIR FORCE BASE

The information below will provide you with a summary of the clean-up efforts that have been accomplished at Wright-Patterson Air Force Base (WPAFB) and illustrate our continued effort to maintain a high standard of performance on the Installation Restoration Program (IRP). The Restoration Team from the Air Force Civil Engineer Center manages the cleanup of environmental contamination caused by past Air Force activities at WPAFB.

Cleanup sites at WPAFB include former landfills, burial sites, chemical disposal areas, central heating plants, underground and above ground storage tanks, spill sites, and former fire training areas. Sites are restored through an intensive, and often lengthy, program of identification, investigation and cleanup. Cleanup often includes a series of interim actions applying a variety of technologies best suited to address specific contaminant concerns.

The community plays an important role in site cleanup through Air Force-sponsored public involvement activities, including opportunities to comment on proposed site activity and advisory board participation. Various advisory boards established throughout the Department of Defense, improve the cleanup decision-making process by ensuring cleanup decisions reflect the priorities and concerns of all stakeholders. As our restoration program has matured, WPAFB participates via a Restoration Advisory Board (RAB) that includes a review of restoration activities. The RAB meets twice a year and is open to residents of Montgomery and Greene counties and those people stationed or working at WPAFB.

The mission of the environmental restoration program at WPAFB is to take timely, appropriate action to cost effectively remediate environmental contamination to reduce or eliminate the potential risks to human health and the environment.

The goals of the restoration program are to:

- Protect human health and the environment
- Comply with existing applicable statutes and regulations
- Conduct all IRP activities in a manner consistent with Section 120 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA). (See the EPA Superfund page)
- Meet all requirements and deadlines of Federal Facility Agreement (FFA) also known as Interagency Agreement (IAG) with U.S. EPA Region 5 and the Consent Order with the Ohio EPA (OEPA)
- Establish priorities for environmental restoration and restoration-related compliance activities so Air Force property disposal and reuse goals are met
- Initiate selected removal actions to control, eliminate, or reduce risks to manageable levels
- Identify and map the environmental condition of installation property including areas of suspected contamination, and characterize risks associated with releases of hazardous substances, pollutants, contaminants, or hazardous wastes
- Complete remedial investigations (RIs) as soon as practicable
- Conduct Feasibility Studies (FS) using RI data to develop, screen, and select removal actions or Remedial Actions (RAs) that reduce or eliminate risks in a manner consistent with statutory requirements
- Conduct removal actions or RAs for priority areas as soon as practicable

PROGRAM SUMMARY NARRATIVE

The IRP at WPAFB has made significant progress to address environmental contamination at numerous sites at the installation. A 30-year effort has documented 104 sites, with most of them grouped by their proximity into 11 operable units (OUs). Numerous studies and Remedial Investigations leading to site clean-up have been accomplished on all 11 OUs. Only a few isolated or newly discovered sites are presently undergoing investigation. In addition to the 71 legacy sites, 26 aqueous film-forming foam (AFFF) sites are currently being investigated as part of a multi-year effort to address releases of per- and polyfluoroalkyl substances (PFAS) to the environment at the installation. Non-time critical removal actions (NTCRA) are currently underway at 5 AFFF sites. These NTCRAs will address PFAS impacts to surface water and groundwater and eliminate the imminent and substantial danger to human health.

WPAFB utilizes a number of environmental contractors as well as the U.S. Geological Survey in order to provide maximum understanding of the surface and subsurface hydrology. This information is utilized extensively to better understand the fate and transport of contamination and provide comparison to natural background conditions. These investigations have and continue to include extensive groundwater, soils, surface water, and sediment monitoring. Many sites are also explored by limited intrusive excavation in order to better determine what was in them.

At sites where it was deemed necessary, various remedial actions have been taken in order to reduce or eliminate risk to human health and the environment and comply with state and federal environmental laws. The WPAFB Restoration Program presently operates and maintains two active remediation systems. These are the Groundwater Treatment Systems associated with Landfill 5 (OU5) to prevent migration of contaminated water toward the City of Dayton's Huffman Dam Wellfield, and a Leachate and Methane Collection System at Landfills 8 and 10 (OU1). WPAFB is well ahead of the Defense Planning Goals (DPG) for relative risk reduction.

While much of the program work at WPAFB has reached the Operations & Maintenance (O&M) and Long-Term Monitoring (LTM) phases of the cleanup process, 6 other sites continue to be investigated. To date, 65 sites have had Records of Decision (RODs) approved by the regulatory agencies. The LTM, also known as the Basewide Monitoring Program (BMP) ensures continued oversight of groundwater conditions at the base and compliance with ROD criteria. In addition, the BMP provides for various associated remediation activities such as site-related groundwater, leachate and methane gas monitoring near landfills. Land Use Controls are also in place at 65 sites. A Five-Year Review is conducted on each of the ROD sites to determine whether the remedy implemented at each site is protective of human health and the environment. The Five-Year Review Report identifies any issues found during the review and makes recommendations to address them. WPAFB continues to involve our RAB in all aspects of the restoration program.

Our Administrative Record of pertinent documentation is available on-line at <https://ar.afcec-cloud.af.mil/>. Questions concerning the WPAFB IRP can be directed to Mr. John Crocker, (937) 257-2312, or e-mail at john.crocker.5@us.af.mil.

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