

NPL Site Narrative for Wright-Patterson Air Force Base

WRIGHT-PATTERSON AIR FORCE BASE Dayton, Ohio

Conditions at proposal (June 24, 1988): Wright-Patterson Air Force Base (WPAFB) is in southwestern Ohio northeast of Dayton in Greene and Montgomery Counties. The installation is composed of two air fields, Wright Field and Patterson Field, covering 8,174 acres. The base employs approximately 33,000 people, of whom about 8,000 presently live on the base.

Past Air Force activities in support of operational missions have resulted in creation of several unlined waste disposal areas throughout the base, including landfills, fire training areas, and coal storage piles. From 1941 to at least 1973, the Industrial Shops and the Research and Development Laboratories disposed of more than 791 tons of waste on the base, including solvents, contaminated thinners, degreasing sludges, tetraethyllead sludge, and miscellaneous hazardous chemicals.

In 1985, the base, with the assistance of the Ohio Environmental Protection Agency (OEPA), found 1,1,1-trichloroethane, tetrachloroethylene, trichloroethylene, 1,2-dichloroethane, and manganese in on-base wells. The Miami River Valley Aquifer System, which is the predominant water source in the Dayton and WPAFB area, provides water to three municipal well fields within 3 miles that serve more than 375,000 people. The people working and living on the base are served by 16 base wells. Local surface waters are also potentially threatened by inactive waste sites on the base.

Under OEPA Consent Orders, issued on February 9, 1988 under CERCLA and the Resource Conservation and Recovery Act (RCRA), the Air Force will conduct a remedial investigation/feasibility study to determine the type and extent of contamination at the site and identify alternatives for remedial action.

WPAFB is participating in the Installation Restoration Program, established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. The base has completed the equivalent of a preliminary assessment and site inspection. WPAFB will recommend that all contaminated areas either be further evaluated via a remedial investigation/feasibility study, be addressed via an immediate remedial action, or be designated as requiring no further action. The landfills identified as primary sources of contamination have been proposed for immediate remedial action.

Status (October 4, 1989): OEPA, EPA, and the Air Force are negotiating a CERCLA Section 120 Interagency Agreement covering all activities at WPAFB.

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at [ATSDR - ToxFAQs](http://www.atsdr.cdc.gov/toxfaqs/index.asp) (<http://www.atsdr.cdc.gov/toxfaqs/index.asp>) or by telephone at 1-888-42-ATSDR or 1-888-422-8737.