

NPL Site Narrative for Tinker Air Force Base (Soldier Creek Area/Building 3001)

TINKER AIR FORCE BASE (SOLDIER CREEK AREA/BUILDING 3001) Oklahoma City, Oklahoma

Conditions at proposal (April 10, 1985): Tinker Air Force Base covers 4,277 acres adjacent to Oklahoma City, Oklahoma County, Oklahoma. The base is within the North Canadian River drainage basin and drains into Crutch and Soldier Creeks. It overlies the Garber-Wellington Formation.

This NPL site is bounded by 59th Street, Douglas Boulevard, Building 3001, and the base boundary to the north. Building 3001 is used for aircraft maintenance and jet engine rebuilding. Organic solvents, including trichloroethylene (TCE), tetrachloroethylene, and 1,2-dichloroethylene, were used for degreasing and aircraft maintenance. In the past, waste oils, solvents, paint sludges, and plating waste generated from maintenance activities were disposed in Industrial Waste Pits Numbers 1 and 2, located about 1 mile south of Soldier Creek and Building 3001.

Current waste is disposed off-site at landfills permitted under the Resource Conservation and Recovery Act (RCRA) or the State. The base acquired Interim Status under RCRA Subtitle C when it filed an application for a permit to store hazardous wastes.

Tests conducted by a contractor to the Air Force detected TCE in a water supply well located within Building 3001. The Air Force has taken this well out of service. The municipal water system serving 55,400 customers in Midwest City draws water from the contaminated aquifer within 3 miles of the base. The Air Force has detected heavy metals (chromium, nickel, cadmium) in Soldier Creek at Douglas Boulevard.

The Air Force 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 Air Force has completed Phase I (records search) and is currently involved in Phase II (problem confirmation).

Status (July 22, 1987): Phase IV (Operations Phase) is underway, and work on Phase II continues. Phase IV includes installation of additional cover at a landfill thought to be contributing contamination to a private well.

Within the boundaries of this Federal facility, there are areas subject to the Subtitle C corrective action authorities of RCRA. However, no such areas were included in scoring this specific site. Therefore, this Federal facility site is being placed on the Federal section of the NPL under the NPL/RCRA policy announced on September 8, 1983 (48 FR 40662).

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.