

# NPL Site Narrative for Wilson Concepts of Florida, Inc.

## WILSON CONCEPTS OF FLORIDA, INC. Pompano Beach, Florida

**Conditions at proposal (June 24, 1988):** The Wilson Concepts of Florida, Inc., Site is at 1408 S.W. 8th Street in an industrial area of Pompano Beach in northeastern Broward County, Florida. The company has manufactured precision-machined parts on the 4-acre site since at least 1976. Operations include machining, drilling, and milling of metal parts, along with vibrating, deburring, degreasing, steam cleaning, and spray coating of parts.

Wilson Concepts is adjacent to Chemform, Inc., which is also being proposed for the NPL at this time.

Wilson Concepts has operated since at least 1985 under a hazardous material facility license from the Broward County Environmental Quality Control Board. On several occasions, the county cited the company for violations of county regulations in connection with the discharge of industrial wastes (soap cleaners, degreasers, lubricants, and a product containing mercury and lead) onto the ground and the overflow of wastes from two 1,200-gallon underground tanks (used to store coolants, cleaners, and sludges) into a storm drain. The discharges subsequently percolated into the ground.

In 1986, EPA detected 1,1,1-trichloroethane, 1,1-dichloroethane, chloroethane, vinyl chloride, and 1,1-dichloroethylene in on-site ground water. Two of the compounds were also found in a water sample from the storm drain mentioned above.

The Biscayne Aquifer, the primary aquifer underlying the site, supplies all municipal water in Broward County. EPA has designated it a sole source aquifer under the Safe Drinking Water Act. At the site, a layer of quartz sand overlies the limestone of the aquifer. Numerous cavities in the limestone result in high horizontal and vertical permeabilities, which facilitate movement of contaminants into ground water as well as movement of contaminated ground water. At least four municipal well fields are located at least partially within 3 miles of the site: the City of Pompano Beach's Palm-Aire and Eastern Pompano Beach Well Fields, serving approximately 80,000 people; and the Broward County District 1B and District 1C Well Fields (used only during dry periods of the year), serving approximately 13,000 people.

**Status (March 31, 1989):** In December 1988, EPA sent a notice letter to parties potentially responsible for wastes associated with the site informing them of their potential liability.

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.