

Wilson Concepts of Florida, Inc.
1408 Southwest 8th Street
Pompano Beach, Florida
County: Broward
District: Southeast
Site Lead: EPA
Placed on National Priorities List: March 31, 1989
Delisted: April 4, 1995
HWC # 072
ERIC ID # 3844

Site Description and History

Wilson Concepts of Florida, Inc. is a 2-acre site located in an industrial area of Pompano Beach in Section 03, Township 49S, Range 42E at 26° 13' 06.9532" N, 80° 08' 35.5947" W. This site manufactured precision-machine parts from 1974 to 1987. Since 1988, the site has been leased, and an active metal machinery operation occupies the site. The facility was leased from 1967 until 1974 by Southeast Tool and Die, Inc. (STD). In 1974, STD was purchased by Wilson Concepts, Inc. The types of activities performed here include machining, drilling, and milling of metal parts, along with vibrating, deburring, degreasing, steam cleaning, and spray-coating of parts. On several occasions, Wilson has been cited for violations of County regulations pertaining to the discharge of industrial wastes onto the ground and the overflow of wastes from two 1,200-gallon underground tanks into a storm drain, which eventually also dripped onto the ground. In 1985, the EPA discovered contamination on the ground, in groundwater samples from monitoring wells, and in a water sample from the storm drain. An investigation in 1987 found that Wilson was in violation of operating a hazardous materials facility without a license.

Threat

The Wilson Concepts site is located adjacent to Chemform, Inc., another NPL site. The Biscayne Aquifer underlies the site. It is a sole source of drinking water for all the residents in Broward County. Numerous cavities in the quartz sand that overlies the limestone of the aquifer facilitate the movement of contaminants into the groundwater, as well as the movement of contaminated groundwater into drinking supplies. Approximately 93,000 people depend on drinking water from at least four municipal wellfields located within 3 miles of the site. Site investigation and sampling indicated no threat to the aquifer and the site was delisted in April 1995.

Response Strategy and Status

On-site groundwater and surface water located in the storm drain indicated low levels of heavy metals and volatile organic compounds (VOCs) from the site spills and overflows. On-site soils, located near the storm drain, also showed low levels of heavy metals and VOCs. Had the Biscayne Aquifer become contaminated, area residents using this resource would have been at risk. In addition, direct contact with or accidental ingestion of contaminated surface water or soil could have presented health risks.

The potentially responsible parties for site contamination initiated an investigation into the type and extent of contaminated soils and groundwater at the site. In mid-1991, due to numerous delays, EPA took over the investigation and completed it in 1992. Based on the investigation, EPA determined that the site does not pose a threat to the surrounding community or the environment and, therefore, no action was required except for one year of groundwater monitoring. The groundwater monitoring was completed in the summer of 1994. The site was deleted from the NPL on April 4, 1995. No five-Year Reviews are required for the Site.