

NPL Site Narrative for Davis Park Road TCE

DAVIS PARK ROAD TCE Gastonia, North Carolina

Conditions at Proposal (July 28, 1998): The Davis Park Road TCE site (DPR) is located on Davis Park Road between Hudson Boulevard and Dogwood Avenue west of the City of Gastonia within the Gastonia Extra Territorial Jurisdiction (ETJ) area. The site is designated by contaminated wells at three private residences and a subdivision that have been impacted by a contaminated groundwater plume. The site can be found on the Gastonia South, North Carolina USGS 7.5' Quadrangle Map at latitude 35 degrees 13 minutes 56 seconds N and 81 degrees 13 minutes 08 seconds W.

In March of 1990 during routine sampling of the community well at the Cedar Oak Park Subdivision, and again in April 1990, high levels of trichloroethylene (TCE) and tetrachloroethylene (PCE) were detected in the ground water. During follow-up sampling by the Gaston County Health Department (GCH), three other private residential wells were also found to be contaminated. The North Carolina Division of Environmental Management performed extensive sampling of the private wells in the vicinity of the site from May 1990 to August 1992.

Most of the domestic water supplies, industrial supplies, and several municipal supplies in Gaston County are obtained from wells. Dug wells, usually found in older, rural areas, derive their water from the saprolite, which is the weathered and disintegrated zone between the soil and the unweathered bedrock. Drilled wells, used for higher yields for industry and municipal use, obtain their water from either granite or schist formations. According to the former hydrogeologist for the Gaston County Health Department, the saprolite and the fractured bedrock act as a single hydrologic unit.

During subsequent investigations by the North Carolina Superfund Section, efforts were made to locate the source of the contaminated ground water plume, however no conclusive evidence, neither historical documentation nor environmental sampling, has been able to determine the source.

Status (January 1999): EPA is considering various alternatives for the site.

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.