

## **IBM Corporation – Dayton Facility**

EPA ID Number: NJD002177210

### **Other (Former) Names of Site**

Princeton Technology Center

### **Site Facts**

The IBM facility is located at 431 Ridge Road on a 66-acre parcel in a mixed residential and industrial section of Dayton, South Brunswick Township, Middlesex County, New Jersey. IBM's manufacturing plant was constructed in 1956 and used until 1985 for manufacturing of computer tabulation cards, printer ribbons, and other information handling machine products. Although the facility was purchased in the mid-1990s by Hamlin/Shidler Investment Corporation, IBM is still committed to complete remediation efforts.

### **Contamination**

Chlorinated solvents—including 1,1,1-trichloroethane (TCA), tetrachloroethylene (PCE), 1,1-dichloroethylene (1,1-DCE), and trichloroethylene (TCE)—were used at the facility, especially for punch card and ink operations. Elevated levels of site-related chlorinated volatile organic compounds (VOCs) were detected in South Brunswick Township (SBT) supply well SB-11 in 1977. Investigation of the former IBM property and off-site areas indicated the presence of DNAPL and dissolved-phase contamination in shallow and deep groundwater. This contamination is believed to be associated with leakage from underground storage tanks (USTs) and transfer lines formerly present at the manufacturing building.

### **What Is Being Done**

IBM has done the following;

- To mitigate further leakage, the USTs and transfer lines were removed in the late 1970s, and no VOCs were found in soil during later investigation efforts.
- To treat impacted groundwater, a Phase I groundwater treatment system was operational from 1978 to 1984 and resulted in decreasing contaminant concentrations levels in both the shallow and the deep aquifers. A second phase of on-site groundwater treatment was initiated in 1989 after groundwater quality in the shallow aquifer began to show rebounding contaminant concentrations. The Phase II system consists of four on-site extraction wells, treatment in an air stripping unit, and disposal via an on-site spray irrigation field. In addition, IBM installed a pump and treat system for two off-site municipal wells (SB-11, SB-13).

## **What Remains To Be Done**

Groundwater quality has improved with the operation of the groundwater extraction and treatment systems, specifically at well SB-11. IBM will continue to operate the groundwater treatment system and a long-term groundwater monitoring to keep contaminants from migrating further. IBM also submitted a Classification Exception Area (CEA) proposal to restrict the use of groundwater as long as it remains contaminated.

## **Site Repository**

Copies of supporting technical documents and correspondence are available for public review at the following location:

New Jersey Department of Environmental Protection  
Office of the Records Custodian  
P.O. Box 442  
401 East State Street  
Trenton, NJ 08625-0442  
Phone: 609-341-3121  
E-mail: [records.custodian@dep.state.nj.us](mailto:records.custodian@dep.state.nj.us)  
<http://www.nj.gov/dep/opra/>