

Tyco Electronics (AMP Inc.)

**Rural Delivery 2, Box 248B
Glen Rock, PA 17327-9550
Congressional District 19
EPA ID #: PAD041421223
Last Updated: 04/12/2010**

Status

AMP has undertaken remedial measures to remove groundwater and soil contamination at the site. The primary constituents of concerns have been volatile organic compounds (VOCs). AMP has excavated and removed contaminated soil. Since 1985, AMP has been monitoring and pumping and treating the groundwater.

At present, AMP continues to operate the pump and treat system to remediate the groundwater. Since the implementation of the groundwater extraction/treatment system, groundwater migration has been controlled and does not pose health and environmental risks to the surrounding communities. As a result of the groundwater remediation, the former 24-acre groundwater plume has been reduced to less than 0.75 acres.

In early 2000, Tyco Electronics acquired the site and is now the responsible party for the on-going groundwater monitoring and remediation. In 2003, Tyco Electronics sold the property to Penn-Mar Organization who will use the facility as office space and warehouse distribution only. Under the sale of agreement, Tyco Electronics will retain full responsibility of the environment cleanup/monitoring as stated under the Consent Order of Agreement with EPA.

The facility is currently using a new method for acquiring groundwater samples called diffusion sampling. This method replaces the conventional purge and bail method for future groundwater monitoring. Diffusion sampling is a relatively new technology designed to use passive sampling techniques that eliminate the need for well purging. A diffusive-membrane capsule is filled with deionized distilled water, sealed, mounted in a suspension device, and lowered to a specified depth in a monitoring well. Over time the VOCs in the groundwater diffuse across the capsule membrane, and contaminant concentrations in the water inside the sampler attain equilibrium with the ambient groundwater. The diffusion bag sampler is subsequently removed from the well, and the water within the sampler is transferred to a sample container and submitted for analysis. Below are pictures taken during the deployment and retrieval of the diffusion bags.



Figure 1: A stainless steel wire is attached to the diffusion bag and lowered into the well.



Figure 2: A weight is attached to the bottom of the bag to stabilize the deployment of the bag.



Figure 3: Retrieving the diffusion bag from the well.



Figure 4: The bag is cut open and the contents transferred into a sampling vial.

Facility Description

The former AMP Inc. site is located in Glen Rock, York County, Pennsylvania and was in operation between 1950s -1990s. The facility consists of two buildings, the Material Development Laboratory (MDL) Building and the Plastics Building and occupies approximately 33 acres. In the past, AMP Inc. conducted research on contact adhesives and lubricants and manufactured injection-molded plastic and polyester parts used in connector systems and applications.

In mid-1984, AMP initiated an investigation surface soil and groundwater. Results of the groundwater investigation from November 1984 through September 1988 indicated the presence of VOCs in the groundwater beneath the site. The investigation also concluded that migration of the contaminated groundwater had occurred from the MDL Building. AMP excavated the contaminated soil and will continue to monitor and remediate the groundwater.

Government Contact

Mr. Khai M. Dao
EPA Project Manager
U.S. Environmental Protection Agency - Region III
1650 Arch Street
Mailcode: 3LC30
Philadelphia, PA 19103-2029
Phone: (215) 814-5467
Email: dao.khai@epa.gov

For more information about EPA's corrective action webpage, including Environmental Indicators, please visit our site at: www.epa.gov/reg3wcmd/correctiveaction.htm