
Groundwater Sampling, Monitoring, and Reporting / Compliance Monitoring

Customer: Borough of Hanover
Location: Former Blackrock Landfill Site, York County, PA



Description:

Hydro-Terra Group (HTG) provides groundwater sampling, monitoring, and reporting services on a semi-annual basis which includes site-wide water level monitoring, purging and sampling of 11 monitoring wells, sampling and maintenance of 7 residential potable supplies, and 2 stream sampling locations. The data are collected, tabulated, and evaluated for compliance reporting to PADEP.

The former Blackrock Landfill site was operated as a municipal landfill until 1984. Portions of the site, including disposal areas, were later covered with additional fill material and re-graded to enhance the value as pasture and agricultural land. Groundwater has been monitored at the site since 1983 and historical analytical results indicate that elevated concentrations of Volatile Organic Compounds (VOCs) is the primary concern at the site. Per Pennsylvania Department of Environmental Protection (PADEP) directives, HTG completed additional groundwater characterization, including the installation of shallow and deep paired monitoring wells and long-term groundwater level monitoring. Pursuant to suggestions by PADEP and as a precautionary measure, HTG, on behalf of the Borough, also installed dual-element sediment and Granular Activated Carbon (GAC) treatment units for 7 residences that are in close proximity to the site and that use wells as their potable source of drinking water.

Project Highlights:

- ✓ Ground and surface water monitoring in support of PADEP compliance monitoring (Pennsylvania Code Chapter 273 – Municipal Waste Landfills).
- ✓ Maintenance of GAC treatment units on residential water supplies.
- ✓ Provide client focused interpretation of laboratory analysis as it pertains to the site.



Monitoring Well



Typical Residential Filter Installation



Stream Location