

Taylor GeoServices (TGS) provides professional services and project support in a variety of areas of municipal, industrial and hazardous waste landfill development and operation. We provide services in support of other firms or as a standalone company, offering a proven track record for site selection and design, permitting and daily operations. Our key strengths are in the hydrogeologic characterization, water quality monitoring, operational oversight, compliance assistance, and data management sectors, while specializing in many other facets including the following representative areas:

- Hydrogeologic characterization for landfill siting, design & expansion
- Preparation of permit applications
- Landfill operation audits
- Closure and post-closure planning and implementation
- Site selection and assessment
- Borrow source evaluations
- Field monitoring, data acquisition and reporting
- Environmental compliance audits
- Operations management for waste disposal and transfer facilities
- Monitoring of groundwater, surface water, leachate, soils and gas
- Coordinating permitting efforts through regulatory agencies
- Database management for waste coordinates and truck violations
- Oversight of landfill gas recovery systems

REPUBLIC SERVICES, INC. CONESTOGA LANDFILL
New Morgan Borough, Berks County, Pennsylvania

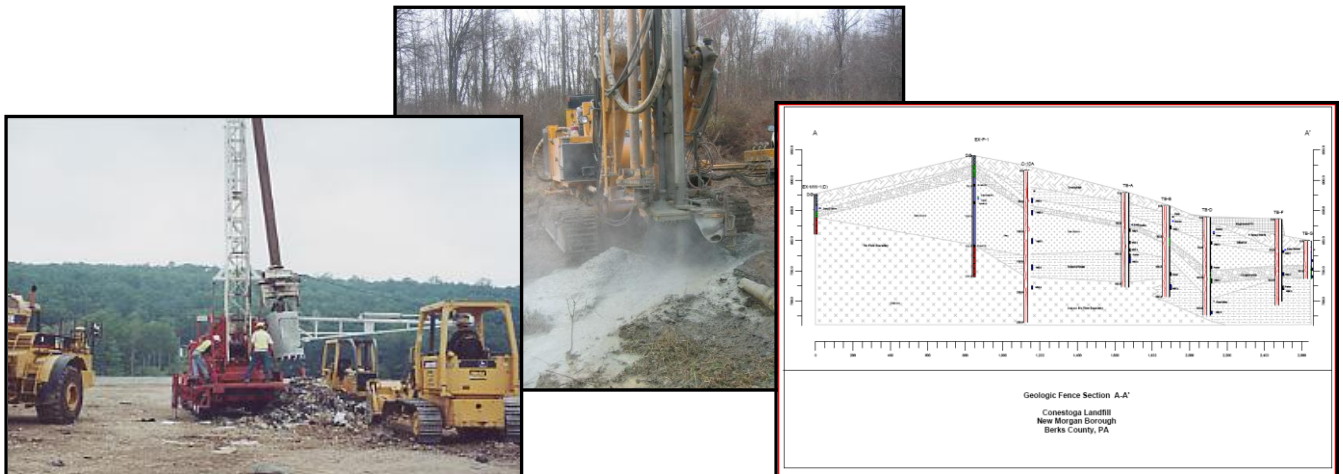
Taylor GeoServices (TGS) and staff have been providing technical geologic, hydrogeologic, compliance and operations support services to the Conestoga Landfill and have been responsible for developing all aspects of the geologic and hydrogeologic characterization work for the site since its inception in 1992.

Specifically these services have included initial characterization and suitability assessment of the site for development as a 150 acre municipal solid waste disposal facility. More recently TGS staff has also provided geologic and hydrogeologic services associated with gaining the recently approved 134 acre expansion permit for the facility.

The work associated with the permitting has included the drilling of more than 150 test borings, down-hole geophysical logging of most borings, installation of multiple background characterization and permanent facility monitoring wells, installation of over 100 multilevel nested piezometers, and the conduct of several long duration aquifer pumping tests including one that required 14 days of continuous pumping and the electronic monitoring of groundwater levels in 50 separate installations.

TGS also provides ongoing environmental compliance monitoring and data tracking for the facility along with waste acceptance tracking, water supply permitting and other daily operations assistance.

TGS worked with a multi-member team to implement an approved aquifer permeability enhancement project at Conestoga. The scope of this project required the drilling of additional test borings including angle core borings, followed by discrete hydraulic fracturing of bedrock at depth, and long term pumping tests.



WASTE MANAGEMENT. DRPI INDUSTRIAL WASTE LANDFILL
Minquadale Borough, New Castle County, Delaware

Taylor GeoServices (TGS) and staff have been providing technical geologic, hydrogeologic and compliance services to the Delaware Recyclable Products, Inc. (DRPI) Industrial Waste Landfill since 1996.

Services provided to DRPI initially included all groundwater and surface water compliance sampling and reporting along with preparation of the comprehensive annual facility environmental monitoring reports. TGS staff was later tasked with conducting the detailed geologic and hydrogeologic assessment for a 45 acre expansion to the landfill. This assessment included the drilling of additional test borings, installation of background characterization wells and piezometers and the utilization of cone penetrometer for geotechnical analysis of deep Cretaceous age sediments that blanket the surface of the site. TGS then compiled the geologic and hydrogeologic data obtained from this investigation plus previous studies conducted by others into a permit application document for submission to the Delaware Department of Natural Resources and Environmental Control (DNREC). Subsequently TGS also developed the comprehensive groundwater and surface water sampling and analysis plan for the landfill.

Development of the expansion area also included the abandonments of many background characterization wells, piezometers and landfill gas vents. TGS has also installed additional landfill gas monitoring probes and has conducted a landfill gas migration study and continues to provide all groundwater compliance monitoring and reporting services.

