



# Hydrogeologic Assessments

## Capabilities

Soil and Groundwater Sampling

Monitoring Well Installation

Hydraulic Conductivity Testing

Geologic and Hydrogeologic Analysis

Contaminant Transport Analysis

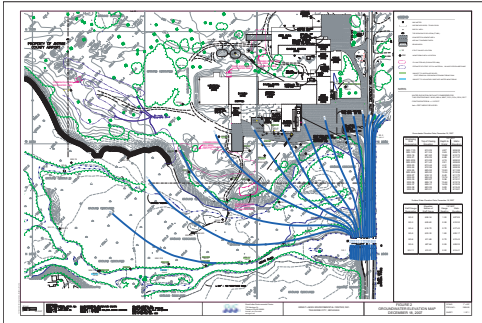
Analysis of Monitored Attenuation

Mixing Zone Evaluations

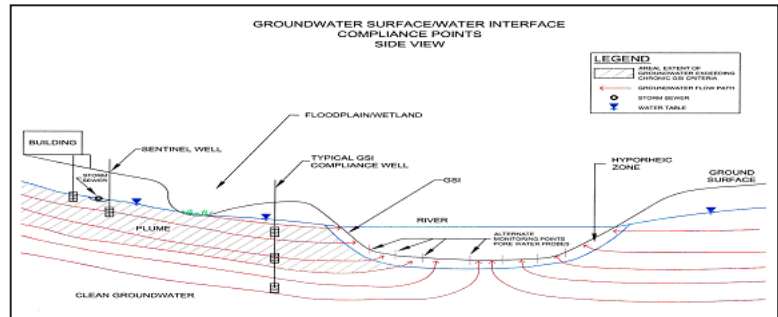
RCRA Groundwater Assessment Reports

RCRA Groundwater Statistical Analysis

RCRA Corrective Measures Study and Implementation Plans



GLEC has over 20 years of experience in evaluating soil and groundwater quality impacts from a wide variety of industrial operations, including automotive, aircraft, electronics, chemical manufacture, fuel storage and refining, power plants, metal coating operations and unregulated and permitted landfills. Evaluations conducted under state and federal regulatory jurisdictions including facilities subject to RCRA Corrective Actions and permit enforced groundwater monitoring programs. In addition to industrial operations, GLEC manages an ongoing groundwater monitoring and assessment program for a major U.S. Army munitions facility.



GLEC is experienced in the design and installation of monitoring well networks, aquifer testing, and compliance monitoring. Soil and groundwater quality assessments have been conducted to identify contamination sources, to delineate migration patterns of groundwater contamination and movement, and to develop remedial action alternatives for the removal of chemicals in soil and groundwater to compliance levels. In conjunction with these evaluations, we have prepared remedial alternatives analyses and cost comparisons, and directed cleanups to facilitate risk based closures of industrial and commercial sites.



## Clients

Metal Processing and Foundries

U.S. Department of the Army

Automotive Parts Manufacturers

Chemical Processors

Petroleum Storage and Refineries

Permitted and Pre-Permit Landfills

Contact: [John Barkach](mailto:John.Barkach@glec.com), Program Manager/Hydrogeologist  
[jbarkach@glec.com](mailto:jbarkach@glec.com)

[www.glec.com](http://www.glec.com)  
248-489-0900