



**Clean Globe  
Environmental**

## Sampling and Monitoring Field Services

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### SERVICES OVERVIEW

- Environmental Monitoring and Sampling
- Monitoring Well Maintenance
- Monitoring Well Development
- Well Location and Elevation Surveying
- Soil Boring and Monitoring Well Installation Oversight
- Short-Term Remedial Events
- UIC Sampling
- Wastewater Treatment Plant Sampling
- Emissions Compliance Testing
- Soil Vapor Intrusion Sample collection

### *CGE's Sampling and Monitoring Field Services Qualifications*

CGE was formed with the mission of providing cost effective field services to Remediation Contractors, and Engineering Firms. Using, dedication, value, and sustainability as a model, CGE is helping clients succeed in their respective markets in the Northeastern United States.

Our environmental monitoring and sampling teams have extensive experience using various techniques to obtain representative samples. These include purging with bailers, peristaltic pumps, bladder pumps, check valves, and submersible pumps. CGE is also well trained utilizing field monitoring equipment to measure water quality and record groundwater and soil characteristics.

CGE's Environmental Technicians also provide supporting services to maintain the condition of a groundwater monitoring system. This work includes services such as road-box replacement, manhole cover painting and labeling, well development, and location and elevation surveying.

CGE's monitoring and sampling experience goes beyond soil and groundwater collection. Specific experience also includes sediment sample collection from rivers and beaches, sampling from underground injection control points, effluent sampling from waste water treatment plants, vapor sampling for emissions compliance, soil gas sampling from subsurface and sub slabs, and various waste characterization sampling techniques.

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All CGE field personnel are trained to safely perform the work that they do. They are taught to recognize hazards and how to deal with them. CGE personnel have 40 hour OSHA HAZWOPER, 8 hour Supervisor's, American Petroleum Institute (API) Safe Work, American Red Cross First Aid / CPR, and Smith System Driver Certifications.

## Company Experience

**Groundwater Monitoring and Sampling** – CGE is currently providing groundwater monitoring and sampling services at over 50 retail petroleum service stations in the New York City and Westchester NY area. The work is being performed for a leading provider of engineering, construction and technical services for public agencies and private sector companies around the world. The work includes scheduling of routine work, groundwater purging and sampling, and preparation and shipment of samples to a laboratory. In addition, supporting services have included replacement of well road boxes, and parking lot repair work.



**Monitoring Well Maintenance** – CGE provides services to maintain the integrity of monitoring well networks. Poorly maintained monitoring wells can create a conduit for surface water runoff to contaminate an aquifer. The structural condition of the well casing, well seal, and the road box must be in good condition to stop contaminants from entering the well. CGE Technicians have maintained hundreds of monitoring wells which may consist of replacement of faulty well seals, replacing gaskets, washers and bolts, replacement of well covers, and complete reinstallation of road boxes.



**Monitoring Well Development** – CGE provides services to develop monitoring wells so that a representative sample can be collected. The goal of groundwater sampling is to obtain water samples that best represent natural undisturbed hydrogeological conditions. Development processes are necessary to obtain samples that are hydraulically connected between the well and the aquifer surrounding the well. CGE Technicians have employed development methods that have included surge block, hand bailing, over-pumping, air lifting, and jetting.