TRC operates a Geotechnical Lab dedicated to standardized tests and to specialized physical testing and analysis of soil, contaminated soil or sediment, industrial solid waste, and other soil-like materials. Lab testing services support initial site investigations, feasibility studies, spill responses, remedial action plans, treatability studies, identification of soil borrow sites, stability studies, and construction documentation.

The Geotechnical Lab provides support for engineering, design, and construction activities, including:

- Performs testing on materials related to solid waste, hazardous waste, and beneficial re-use of industrial waste by-products
- Performs QA/QC testing to support construction projects to verify construction materials are compliant with specifications
- Provides technical support related to in-field sampling

The Geotechnical Lab also assists TRC’s Applied Chemistry Laboratory in developing new treatment technologies and process improvements.
Why TRC?
• We excel in providing creative options and comprehensive solutions.
• We are dedicated to helping our clients reach their goals.
• We have a long history solving difficult environmental problems.

Unique Services
The Geotechnical Lab utilizes highly versatile flexible-wall permeability test equipment (ASTM D5044) to perform sample evaluations and testing. The equipment can be used to perform liner compatibility studies, treatability studies, or leaching studies with effluent collection. These studies simulate model field processes within the lab environment.

Services Include:
• Provide mixing, compositing, remolding, compacting, coring, or curing of samples prior to testing
• Determine design mixes or additives for stability or treatability studies
• Determine applicable moisture content additions or curing times
• Perform third-party QA/QC review for existing lab data
• Test difficult to handle samples, while helping to solve client problems or project issues

Typical Industrial Waste By-Products Tested
• Cement or lime kiln dusts
• Paper mill sludge, lime mud, and bark waste
• Fly ash and bottom ash
• Wastewater sludges
• Foundry sand, dust, and slag
• Bag house dust
• Contaminated sediment
• Treated waste

For more information, please contact:
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