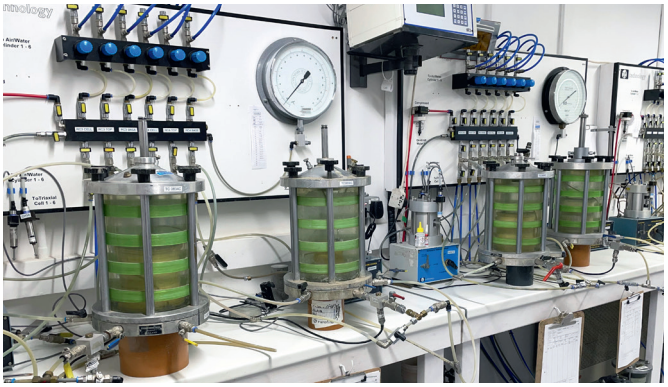
GEOLABS®

Permeability Testing

Independent Soil and Rock Geotechnical Laboratory Testing

The Facility

- A Temperature controlled laboratory (maintained to better than ± 2°C) using the latest electronic data acquisition for 24 hours-a-day, 365 days-a-year testing.
- Rapid processing of raw test data using our own in-house developed software to generate reports in printed PDF and AGS formats.



The Analysis

- **Triaxial Permeability** (BS EN ISO 17892 - 11: 2019 and WRc Accelerated Method). Particularly suited for landfill site clay liners, BES, bentonite enriched and other stabilised materials.
- **Oedometer Permeability** in a one-dimensional consolidation cell. BS EN ISO 17892 – 11: 2019
- **Constant Head Permeability** in a Permeameter for non-cohesive material up to 10mm particle size. BS EN ISO 17892 – 11: 2019
- **Horizontal Permeameter** (DoT: HA4190). Used for drainage layer material up to 37.5 mm particle size.
- **Hydraulic (Rowe) Cell** - from 76 mm tp 250mm sizes. Permeability can be measured in either vertical or horizontal directions - excellent for laminated soils.
- **Contaminated Materials** - Capability to determine permeability of soils using contaminated materials and other fluids
- **Falling Head Permeability**.

The Benefits

- Independent testing facility exclusively devoted to commercial and research geotechnical laboratory testing.
- An all-round service of the highest standard backed by fully documented quality management system.
- High quality testing and results presentation, both of which can be tailored to meet clients requirements.
- Geolabs are **UKAS Accredited** for the Triaxial Permeability and follow fully documented procedures for the other test methods.

Wind Farms | Construction | Dams & Embankments | Landslide | Infrastructure | Offshore Structures | Earthquake | Piling | Tunnelling

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