MATERIALS TESTING & EVALUATION

Against a background of progressive planning restrictions, tightening material specifications and pressure to reduce our reliance on virgin materials, it is becoming increasingly important that sources of construction materials are used and re- used responsibly and appropriately.

Our team has the proven experience to provide for materials selection, sampling and testing, and can also provide subsequent interpretive reporting, for a wide range of source materials, including:

ROCK AND RECYCLED AGGREGATE: for use as bulk fill, for construction aggregates, for concrete manufacture and for use as a drainage media, particularly in landfill containment construction.

SOFT ENGINEERING MATERIALS: such as clay or shale, for brick and ceramics manufacture, or use as low permeability materials for landfill or other containment lining.

SOILS: prior to green-field site stripping or for assessment prior to their use following site decontamination or long-term stocking.

RECYCLED MATERIALS: for use as a substitute for any of the above or in their own right as sources of process feed-stock. Geomembranes and Geosynthetic materials: for use in a wide variety of engineering applications, particularly in landfill containment construction.

OUR SKILL-BASE INCLUDES THE PRACTICAL KNOWLEDGE OF:

- Reserve identification, using specific land-use and geological map-sieving techniques.
- Source identification, within known resource locations using geophysical and intrusive investigative techniques.
- In-situ analysis and sample collection, through site investigation.
- Collection and collation of laboratory test data.
- Test data interpretation.
- Making recommendations for material extraction and processing.
- Provision of validation reports.

Using certified, nationally recognised laboratories, we can also provide water and gas analysis, including the provision of interpretive reporting covering a wide range of chemical and bio-chemical assays.