



ACS Geo-Environmental Consultancy offers a wide range of services to the construction industry. All works have the support of laboratories and resources within the ACS Group of Companies, which allows for seamless project progression and completion.

GEOTECHNICAL INVESTIGATIONS

We can carry out a range of investigation types in the assessment of ground conditions for potential foundation solutions including windowless boreholes, trial pits and dynamic probing. We also offer cable percussion, rotary and sonic drilling through our sub contractors. Borehole logs can be provided in AGS format.



ENVIRONMENTAL AND CONTAMINATION INVESTIGATIONS

We can provide contaminated land investigations to discharge planning conditions or satisfy NHBC. Our reports are prepared in compliance with CLR 11 and BS 10175.

Phase I – Desk Based Research

- Walkover Survey
- Historical map review
- Geological, hydrological and hydrogeological appraisal
- Local Authority and Environment Agency information
- Preliminary risk assessment
- Assessment of constraints to development
- UXO Assessment



Phase II – Contamination Investigations

- Site investigation strategies
- Intrusive investigations
- In situ soil sampling
- Groundwater and surface water sampling
- Generic & detailed human health risk assessment
- Liaison with Local Authority and Environment Agency
- Preparation of factual and interpretative reports
- Validation testing and Contamination Remediation Validation reporting for final discharge of contaminated land planning conditions.

ENVIRONMENTAL MONITORING

We carry out routine monitoring on numerous sites and can provide:

- Landfill gas monitoring (CH₄, CO₂, O₂, CO, H₂S and balance gases)
- Barometric pressure, relative pressure and flow rate.
- Continuous landfill gas monitoring using GasClams®
- Water monitoring using MCERTS accredited equipment to measure pH, temperature, dissolved oxygen, electrical conductivity, salinity and redox potential.
- Continuous groundwater level monitoring using level loggers
- VOCs using a Photo Ionization Detector (PID)
- Forensic vapour analysis using SilcoCan®
- Groundwater, surface water and leachate sample collection for laboratory testing
- Low-flow groundwater sampling
- Results in tabulated PDF or CSV format for submission to the Environment Agency where required
- Graphical representation of data trends
- Environment Agency notification of permit monitoring failures (Schedule 6).



ENVIRONMENTAL PERMITTING

We can provide consultancy services to obtain or vary Environment Agency bespoke or standard rules permits for waste operations including:

- Waste recovery projects
- Inert landfills
- Waste transfer stations
- Construction and demolition waste recycling centres
- Waste exemptions

We can also assist with the production of WRAP protocol documentation.



IN-HOUSE WASTE QUALIFIED PERSON

In accordance with the CL:AIRE Definition of Waste: Development Industry Code of Practice, our in-house Waste Qualified Person can:

- Produce material management plans
- Complete verification reports
- Allow the re-use of site material
- Allow the direct transfer of material between sites

We can also provide classification of waste materials for disposal using CAT-WASTE^{SOIL} software, which can be used to evaluate waste disposal options.