



PHASE 2 GEOENVIRONMENTAL ASSESSMENTS

The risks associated with contaminated land will need to be quantified by a Geoenvironmental Assessment, undertaken by suitably qualified Geoenvironmental Engineers.

Geotechnical Engineering Limited (GEL) offer a comprehensive range of resources, in terms of equipment, experience and expertise to evaluate such risks, to support the acquisition, divestiture and pre-development of brownfield and greenfield sites. Our services range from preliminary assessment through to design, costing and undertaking intrusive investigation and sampling, supervision of fieldwork with CSCS trained engineers, monitoring and preparation of factual and interpretative reports. Our work is complimented by our Specialist in Land Condition (SiLC) accreditation.



The following range of services is offered:

- Design and execution of investigations using the most appropriate technique based on site conditions, following guidance defined in BS5930:1999 - Amendment 1 (2007) and BS10175:2001, with soil description, in-situ testing and sampling,
- Installation of groundwater monitoring wells, with monitoring and sampling of soil gas and groundwater,
- Execution of appropriate chemical testing, determined from previous land-use and reference to CLR11 and DoE Industry Profiles, at an UKAS and MCERTS Accredited Laboratory,
- Mapping of contaminant plumes,
- Identification of environmental risks and appropriate mitigation measures,
- Preparation of factual and interpretative reports, addressing the risks to human health and groundwater,
- Human health risk assessment undertaken as a two-tiered assessment, initially comparing contaminant concentrations with generic assessment criteria (GACs), which if exceeded is followed by a site-specific quantitative risk assessment,
- Groundwater risk assessment following the Environment Agency Remedial Targets Methodology,
- Gas Risk Assessment following CIRIA C665.
- Liaison with Regulatory Authorities to facilitate development proposals.

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Or visit our website www.geoeng.co.uk