

## Background

You will be responsible for field monitoring, production of desk study reports for simple sites, supervision of ground investigation activities and general support to more senior engineers based in the Wetherby office. You will routinely report to Project Managers and a Director and your performance will be reviewed by an Associate Director/Director.

## Core duties

Ref	Description
1	Production of drawings for reports & search requests.
2	Preparation of search requests (incl. covering letter, location plans & purchase order) in accordance with Desk Study Brief issued by PM. Review of historical OS plans, geological maps/memoirs, BGS radon report, Coal Authority report etc for greenfield and simple brownfield sites. Draft Desk Study (Sections 1 to 4 of template for SI report) for greenfield and simple brownfield sites.
3	Site walkovers in accordance with guidance provided by BRE 348, and site-specific instructions issued by PM. Write-up of site description section for greenfield and simple brownfield sites.
4	Prepare RAMS and proposed exploratory hole location plans (Drawing X) for simple sites.
5	Organisation and supervision of ground investigation activities (trial pitting, drilling etc) on greenfield and simple brownfield sites.
6	Description of natural soils & rock in general accordance with BS 5930 as amended by Lithos guidance in the Handbook. Production of exploratory logs using the HoleBASE software.
7	Supervision of soakaway tests in trial pits and drafting of letter report.
8	Field monitoring, sampling and drafting letter report (including GRA to CS2) , in accordance with Handbook guidance and site specific briefs issued by a PM. Tasks including: <ul style="list-style-type: none"> <li>Emission rate &amp; concentration of hazardous gases using portable instruments</li> <li>Monitoring well groundwater level</li> <li>Retrieval of gas samples using Gresham tubes or Teflon bags</li> <li>Retrieval of representative groundwater samples using Waterra system, bailers etc</li> <li>Retrieval of surface water samples from watercourses</li> </ul>
9	Liaise with labs re sample selection. Draft simple schedules for geotechnical and contaminant testing in close liaison with the PM & liaison with labs.
10	Review of exploratory logs, lab data etc to draft Sections 7 to 10 & 14 of SI report template.
11	Comply fully with statutory and company policies regarding health, safety and the environment.
12	Background reading to increase understanding of relevant technical issues. Information sources should include: NHBC Standards (Parts 4, 5 & 10), British Standards (esp. BS1377, 5930 & 10175).

## Other duties

- Soil Cover Validation – site visits to check thickness (often quality) and drafting of letter report
- Works on Network Rail Managed Infrastructure (NRMI)

## Key skills

- Attention to detail; accuracy of factual data
- Enthusiasm to learn and initiative, but with appreciation of own capabilities and limitations
- Reliable and responsible
- Personal effectiveness: organised, good at decision making and problem solving
- Verbal communication - drillers, site workers, laboratories, other Lithos staff
- Written communication – clear, logical, concise, scientific, grammatically correct, readability

**A full UK Driver's license is essential**