

# Safety, Health and Environmental Monitoring Services

Environmental Scientifics Group's Geotechnical and Energy Services Division provide a wide range of sampling, monitoring and analysis to support safety, health and environmental compliance for waste management, local authorities, civil engineering, mining and the environmental industries.

Constantly changing regulatory requirements result in ever increasing demands for specialist services and techniques. Drawing on their proven track record ESG's Safety, Health and Environmental Monitoring Services have built a solid reputation within their field.

## Services include:

- Dust, gas and vapour monitoring
- Laboratory analysis of dust and gases
- Landfill monitoring and sampling services
- Mining services
- Monitoring equipment hire, maintenance, calibration and sales



# Safety, Health and Environmental Monitoring Services



Safety, health and environmental compliance present a number of challenges ranging from what instrumentation to use for optimum data acquisition, to which laboratory technique will be acceptable to the regulator.

ESG's laboratory facilities are equipped with the analytical techniques and instrumentation that you would expect from a leading scientific organisation, ensuring that our highly skilled field operations are backed by superb testing and analyses. On-going developments into data capture and reporting ensures we remain at the forefront of technological advances, supported by safety, health and environmental expertise that is up-to-date with the all important regulatory improvements.

Underlying all aspects of our operations is an on-going commitment to quality. This is driven through quality assurance management systems in accordance with ISO 9001 and UKAS accredited sampling and laboratory facilities. All our facilities use state-of-the-art information technologies and we employ the most appropriate analytical process controls.

Our comprehensive range of testing, analysis and monitoring support services are specifically designed for health, safety and environmental professionals, and include:

## Laboratory Analyses of Dust and Gases

The establishment and management of quality assured laboratories ensures that a clients health, safety and environmental compliance requirements are always met. TES Bretby laboratories hold UKAS accreditation for the analysis of workplace dusts, quartz, a range of gases and environmental samples recovered from dust deposition gauges. Projects routinely include the provision of equipment and laboratory analysis which enables clients to monitor their employees workplace exposure to dust, through to assessment of the impact of fugitive dust from remediation sites using frisbee-type gauges and real-time PM10 dust monitors.

## Landfill Site Monitoring

With the implementation of the Environment Agency guidance series on landfill site monitoring, we have developed a comprehensive UKAS accredited service for sampling and monitoring ground waters, landfill surface emissions and gas trace components. In addition we manufacture and install a range of Automatic Landfill Gas Monitors for continuous monitoring of boreholes for safety and regulatory applications and for monitoring gas to power generation schemes.

## Mining Services

ESG have been supporting UK coal mining operations since 1947, providing advice and technical services relating to personal safety, operating conditions and use of monitoring instrumentation.

## Monitoring Instrument Hire and Maintenance

ESG provide an instrument hire service to help clients meet safety, contractual and legislative obligations. Drawing on a comprehensive range of servicing and equipment, we can advise and supply the most suitable instrument for an application and deliver it to site. Our in-house stock of instrumentation covers detection monitoring for a wide range of hazardous vapours and dusts, supported by an ISO 9001 accredited service department which undertakes maintenance, repair and calibration.

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