GasClam Continuous Ground-Gas Data Processing & Reporting
Specialist Local Authority Tailored Services Including:

- Data Management of GasClam Continuous Data Sets (CSV files)
- Graphical Presentation of Continuous Data Sets
- Interpretation of Continuous Data Sets
- Interpretation of Purge & Recovery Testing
- Factual & Interpretative Reporting (GGS DataPack®)

GGS is accredited to the following international standards:
- BS EN ISO 9001:2008 (Quality Management System);
- ISO 14001:2004 (Environmental Management System), and;
The Value of Continuous Ground-gas Data

Many local authorities own and use GasClams and regularly collect continuous ground-gas data. The two main advantages of continuous data are:

- The full variation through time is captured
- The data can be produced as graphs
- Graphical information is much easier to interpret than tables

Continuous well data can be easily compared and contrasted leading to efficient decision making and risk management interventions.

Why Continuous Monitoring?

Continuous monitoring provides robust data that is invaluable to Part 2A investigations and broader off-site ground-gas migration risk assessments.

While traditional ‘spot monitoring’ can give accurate information at a moment in time, continuous data captures all the gas variability through time and, importantly, the changing environmental parameters that affect the ground-gas. Continuous ground-gas data is therefore much more likely to capture ‘worst case’ conditions and can within a relatively short period of time provide high quality information on the actual gas regime at a site.

Continuous monitoring of permanent gases (selected bulk gases, trace gases and total volatile organic compounds) and other environmental parameters provides a wealth of information to identify the dominant processes of gas generation and migration, thus leading to an improved understanding of the ground-gas regime and allowing for a more accurate and truly site specific assessment to be completed. Continuous monitoring reduces uncertainty and can also dramatically shorten monitoring periods.

How Can GGS Help?

Ground-Gas Solutions’ /market leading DataPack® format converts complex GasClam data into standardised graphs to allow fast and straightforward data analysis and interpretation.

The DataPack® reporting format can also allow more detailed analysis of gas compositions and behaviour to inform improved understanding of complex landfill gas management systems such as:

- Landfill gas collection efficiencies
- Field balancing
- Subsurface fires
- Sub-lateral gas transport/migration.

The enhanced reporting service includes concentration-duration analysis and borehole/gas-well characteristics assessment. These can provide further valuable lines of evidence to feed into detailed risk assessments or landfill compliance reporting.

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Ground-Gas Solutions is the UK’s leading environmental consultancy specialising in continuous ground-gas data capture, analysis and interpretation to inform the management and risk assessment of former landfills and ground-gas contaminated land.

Call for a Free Technical Consultation

For a no obligation quotation, or just a simple discussion to help you consider your options please contact a specialist within our national continuous ground-gas monitoring team on 0161 232 7465