

SEMINAR PROGRAMME

Continuous Ground-Gas Monitoring, Risk Assessment, Remediation and Protection

Introduction

Ground-Gas Solutions Limited (GGS) and PAGeotechnical Limited (PAG) are providing the following professional training events on the latest continuous ground-gas monitoring techniques, risk assessment and current best practice in gas remediation and protection. The training material will draw on the innovative techniques discussed in the recently published CL:AIRE Research Bulletin 13 and will make extensive use of GasClam® data, project experience and case studies.

The seminars are designed for specialist consultants, regulators and developers who wish to learn how improved ground-gas characterisation and risk assessment can lead to better quality decision making and time and cost savings.

The events are split into:

Part 1

Continuous Ground-Gas Monitoring and Risk Assessment

Part 2

Remedial Design, Implementation, Verification and Cost Benefits

The dates and locations are:

Nottingham

September 20th (Part 1) September 21st (Part 2)

Training 13:00- 17:00

(lunch from 12:00 & buffet from 17:00)

Training 9:00 – 13:00

(breakfast from 8:00 & lunch from 13:00)

Newcastle

October 11th (Part 1) October 12th (Part 2)

Training 13:00- 17:00

(lunch from 12:00 & buffet from 17:00)

Training 9:00 – 13:00

(breakfast from 8:00 & lunch from 13:00)

Birmingham

November 15th (Part 1) November 16th (Part 2)

Training 13:00- 17:00

(lunch from 12:00 & buffet from 17:00)

Training 9:00 – 13:00

(breakfast from 8:00 & lunch from 13:00)

Leeds

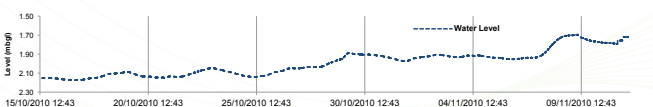
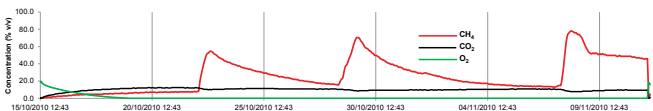
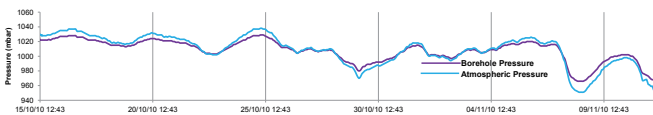
December 6th (Part 1) December 7th (Part 2)

Training 13:00- 17:00

(lunch from 12:00 & buffet from 17:00)

Training 9:00 – 13:00

(breakfast from 8:00 & lunch from 13:00)



Presenters for the events are:

Simon Talbot

Managing Director

Ground-Gas Solutions Ltd



Simon is an Engineering Geologist with over 25 years experience in working in both the private and public sectors on contaminated land and ground-gas issues. He spent 11 years working as Director of GMGU, a specialist unit managed in partnership between the University of Manchester and Salford City Council. Here he undertook teaching, training and research activity. Simon has published several papers and spoken at national and international conferences.

John Naylor

Technical Director,

Ground-Gas Solutions Ltd



John has over 12 years professional experience in working with contaminated land issues and has worked in both the public and private sectors. John developed a particular specialist interest in ground-gas and landfill gas investigation, assessment and remediation. John joined GGS as Technical Director in August 2009. He is heading research and development for GGS in high frequency monitoring and risk assessment.

Peter Atchison

Managing Director

PAGeotechnical



Peter is a geosynthetic specialist with over 25 years experience in geomembranes and associated products. As a consultant he specialised in contaminated land issues and now runs a company offering technical and commercial consultancy support to manufacturers and providers of specialised materials and services aimed at the sector. He is involved in both standards setting and advice to the legislative process through involvement in a number of committees.

Phil Widdop

Regional Manager – Midlands and North

PAGeotechnical



Phil joined PAGeotechnical in 2004 having previously worked in the construction membrane sector for 18 years with Monarflex where he undertook several key roles. His interest in soil gas issues began in the late 80s when he was involved in developing radon protection measures, working alongside Monarflex's geomembrane company. He has also worked extensively in Ireland where radon protection is more widespread than the UK.

Programme

Each part will comprise 4 CPD units of training

Part 1

Continuous Ground-Gas Monitoring and Risk Assessment

Unit 1

Identifying and characterising different gas sources and migration regimes and developing the Preliminary Conceptual Site Model (GGS)

Unit 2

Site Investigation Strategies for ground gases (GGS)

Break

Unit 3

Looking at Continuous Ground-Gas Data: Time series data, concentration duration curves, differential pressure, purge and recovery tests (GGS)

Unit 4

Risk Assessment using Continuous Ground Gas Data: Generic assessment and additional lines of evidence for Detailed Gas Risk Assessment (GGS)

Part 2

Remedial Design, Implementation, Verification and Cost Benefits

Unit 5

Principles of remedial design and protection (GGS)

Unit 6

Gas Protection – “The Rough Guide” principles and practices in the protection of buildings from ground gases (PAG)

Break

Unit 7

“Getting it right first time” validation, verification and good quality work (PAG)

Unit 8

Methodology validation and verification, cradle to grave. How detailed data allows proportionate and cost effective design decisions and solutions (GGS & PAG)

Registration

Registration will be one hour before the training commences

Food and refreshments will be provided both at the start and at the end of the training.

Cost

Single day £114.00 (inc VAT) Both days £180.00 (inc VAT).
Includes training, catering and refreshments.

Reservations

Contact Julia Williams on 0161 232 7465, email back completed attached form to: info@ground-gassolutions.co.uk or post to:

GGG PAG Seminar

Ground-Gas Solutions Ltd
Greenheys
Manchester Science Park
Pencroft Way
Manchester
M15 6JJ

Venue Details

Payment is required in advance. Once payment is received details of the venue and directions will be provided. Parking and accommodation is not included however we will provide details of nearby facilities.

Further information

Visit www.ground-gassolutions.co.uk

Testimonials

Both GGS and PAG regularly provide training events, seminars and workshops to professional audiences. The following are some of the feedback that has been received:

"Informative and interesting"

"I would recommend the course."

"Excellent seminar and well worthwhile"

*"A well put together event
covering key topics"*

*"Highly valuable module
for all Local Authority
contaminated land officers"*

