

Risk assessment for ground gases



10 September 2008, Birmingham



The workshop will be conducted by Card Geotechnics & EPG Ltd in association with CIRIA

CPD

Each day course has a value of 5 hours towards your CPD

Venue

etc venues
Maple House,
150 Corporation Street
Birmingham B4 6TB

Course fees

LACL members

Free

CIRIA Core members, CIEF, CPN and CIRIA Books Club members

£249+VAT (£292.58)

Non members

£329+VAT (£386.58)

The above prices includes refreshments and workshop papers for the day

Forthcoming events 2008

Dealing with contamination on existing residential developments
9 July 2008, Leeds

Ground gas - sampling and assessment techniques
24 September 2008, Penrith
CLEA UK

7 October 2008, Wrexham

How to book

Complete and fax the form overleaf to CIRIA on +44(0)20 7253 0523

or

call the events team on +44(0)20 7549 3300

or

register online at www.ciria.org

The problem

With the government pushing for more redevelopment on Brownfield sites, many house builders have been forced to build in close proximity to landfill sites or other sites where underground gases, are a potential threat. There is often a great deal of uncertainty regarding the extent of ground gas investigations required, the form that risk assessments should take and the choice of the most appropriate protection methods for developments.

A solution

This workshop will describe current best practice in the investigation and assessment of ground gases. It will enable construction professionals to make rational and informed decisions regarding developments on gassing sites.

Who should attend

- local authority contaminated land officers, planners, environmental health officers.
- consulting engineers and environmental consultants
- contractors
- developers
- landowners
- house builders
- other regulators
- researchers and academics

Programme

- | | | | |
|-------|--|-------|---|
| 10.00 | Registration and refreshments | 12.00 | Closed landfill sites - gas risk assessments |
| 10.30 | Introduction to the day | | This will review the contaminated land risk assessment framework and how it can be applied to establish conceptual models for ground gas. It will also highlight issues that have been explored in CIRIA's new publication* |
| 10.45 | Ground gas characterisation | 12.30 | Gas assessment for development |
| | This session will describe different techniques that are available, the holistic approach and how to determine what to measure. | | This will describe the principles and application of the model |
| 11.15 | Landfill gas assessment – frequently asked questions | 13.00 | Lunch |
| | This will give a series of both good and bad examples of gas measurement practice. It will cover details including: | 13.45 | Gas migration management for developments |
| | <ul style="list-style-type: none"><input type="checkbox"/> How do you determine the number of wells for a site?<input type="checkbox"/> How do you determine the depth of wells?<input type="checkbox"/> What is considered an adequate monitoring period? | | This will describe the concept and methods used to reduce gas migration |
| 11.45 | Refreshment break | 14.15 | Gas protection – buildings |
| | | | This will describe the concept and methods to protect buildings from ground gases |
| | | 14.45 | Group work |
| | | 15.30 | Refreshment break |
| | | 15.45 | Group work feedback |
| | | 16.00 | Summary |
| | | 16.15 | Close |

Recommended reading

* *Assessing risks posed by hazardous ground gases to buildings - CIRIA C665*



sharing knowledge
building best practice

Further information

Venue details issued on receipt of registration form. Please photocopy for additional delegates. Any local authority that joins the LACL Network within one month of attending a workshop, will receive a full refund for one delegate.

Booking form

Risk assessment for ground gases (E8313)

Delegate name	Course date*

Risk assessment for ground gases (E8313) 10 September 2008, Birmingham

Contact name: _____

Email address: _____

Confirmation details will be sent by email.

Company name: _____

Position: _____

Address: _____

Post code _____

Telephone: _____

Fax: _____

Payment method

FREE – I am a LACL member

CIRIA, CIEF, CPN, CBC members only £249+VAT(£292.58). Invoice company Please provide purchase order No. _____

Non-member* £329+VAT(£386.58)

I enclose a cheque for _____ payable to CIRIA.

Please charge my Mastercard Visa Amex

Card No.

Security code:

The last 3 digits (Amex 4) of the number printed on the signature strip.

Expiry date:

Cardholder's name as shown on card: _____

Date: _____ Cardholder's signature: _____

Please photocopy this form and fax it to our Events team on +44 (0)20 7253 0523 or mail it to CIRIA, Classic House, 174–180 Old Street, London EC1V 9BP

TERMS AND CONDITIONS

Any booking fee paid will not be refunded unless written confirmation is received at least five working days before the event, substitute delegates are welcome.

*For non-member registrations, your place is confirmed once the registration form is submitted; bookings must be accompanied by payment in the form of cheque or credit card authorisation.

Email confirmation of your booking will be sent out by CIRIA two weeks before the event.

CIRIA reserves the right to vary the programme and cancel the event in case of insufficient bookings.

Personal data is gathered in accordance with the Data Protection Act 1998. CIRIA will only contact you about products and services relevant to you and your organisation



CIRIA's Local Authority Contaminated Land network (LACL) now with 100 members helps local authorities to understand and address their responsibilities regarding land contamination. These include implementing risk assessment and remediation under Part IIA of the Environmental Protection Act 1990 and other statutory duties such required by the Town and Country Planning Act 1990.

LACL complements CIRIA's other networks, the Construction Industry Environmental Forum (CIEF) and the Construction Productivity Network (CPN). It is designed specifically to address the needs of local authority officers with contaminated land responsibilities.

CIRIA is a member-based, not-for-profit organisation with extensive publications on contaminated land issues.

CIRIA's contaminated land research is also highly regarded by construction professionals. An independent study, commissioned by Defra, ranked CIRIA as the most influential non-government body in this area, with guidance that is both accessible and worthwhile.

For further information on LACL membership, and forward programme, please contact the events team at CIRIA:

Tel: 020 7549 3300

Fax: 020 7253 0523

Email: enquiries@ciria.org

Web: www.ciria.org



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