



## Land Quality Management Ltd

### **Introduction to Contaminated Land Management: A Series of One-Day Courses for Local Authorities and Consultants**

#### **To be held at Nottingham on**

3 November 2004	Introduction and Development of the Conceptual Model
10 November 2004	Site Characterisation
17 November 2004	Human Health Risk Assessment
24 November 2004	Remediation
1 December 2004	Reviewing Third Party Reports

This series of courses is directed at all those working for Local Authorities and consultancies who wish to improve their understanding of the design and execution of site investigations, the estimation and evaluation of risks to human health and other receptors, and the selection, implementation and verification of remedial strategies. The course will also provide guidance on how to peer review third party reports. The fundamental importance of the conceptual site model will be highlighted throughout the course.

#### **Tutors**

Paul Nathanail, Caroline McCaffrey, Judith Nathanail, Richard Ogden, Andy Gillett and Paul Hooker.

## LQM Company Profile

Land Quality Management Ltd (LQM) staff are involved in developing risk assessment tools and guidance and in helping local authorities fulfil their duties with respect to contaminated land. We provide bespoke consultancy, contract research and specialist training services to serve your needs.

## Course Tutors

Land Quality Management courses are renowned for their relevance and quality. This comes from our belief that training should be interesting, relevant and make a difference to the way our delegates go about their normal contaminated land related business. We always select top quality tutors with both the experience to communicate and the knowledge to share – as well as the enthusiasm to improve the way land contamination issues are tackled.

## Course learning outcomes

By the end of this course you will understand the principles of risk assessment and the importance and relevance of the conceptual model at all stages in the assessment, investigation and management of land contamination. You will have an awareness of current good practice guidance and how it should be used in assessing and managing potential risks from land contamination, including the use of the Soil Guideline Values (SGVs) and what should be done in the absence of a SGV.

## Course Details

### *Introduction and Development of the Conceptual Model*

You will be introduced to the risk assessment framework that should be adopted both under Part IIA and Planning. The fundamental importance of the conceptual model will be highlighted. You will be taught how to create a conceptual model and gain practical experience of creating and using conceptual models.

### *Site Characterisation*

You will be introduced to the key principles and technical guidance on the investigation of potentially contaminated land. These include the development of risk-driven conceptual models, the setting of site investigation objectives, selection of appropriate sampling locations and numbers of samples, analytical issues and QA/QC issues. You will also gain an understanding of what to look for when procuring site investigation and analytical laboratory services and what to request by way of reports. The course will also cover the basic principles of environmental geology and environmental chemistry.

### *Human Health Risk Assessment*

This day will build on the fundamental principles of risk assessment introduced in Day One “Introduction and Development of the Conceptual Model”. The focus will be on detailed and generic quantitative risk assessment and will cover issues such as the use of Soil Guideline Values and what to do when there is no Soil Guideline Value available.

### *Remediation*

You will be introduced to the range of civil engineering, biological, chemical, physical and thermal remediation technologies available in the UK. The day will cover remediation strategy selection and you will practise selecting appropriate remedial strategies to demonstrably break all the significant pollutant linkages at a site.

### *Reviewing Third Party Reports*

This day will provide guidance on the review of third party reports. It will cover all aspects of the risk assessment process from reviewing the initial conceptual model through to remediation completion strategies.

## **Certificate of attendance**

All delegates will be issued with a Certificate of Attendance – which should be retained and used to provide evidence of CPD activity when required by employers or professional bodies.

## **Cost**

**Private Sector rate:**       £250 per day (excluding VAT)  
                                      £1000 for all 5 days (excluding VAT)

**Public Sector Rate:** For Local Authority, Health Authority, Environment Agency and SEPA staff  
                                      £125 per day (excluding VAT)  
                                      £500 for all 5 days (excluding VAT)

VAT is chargeable at the prevailing rate.

*Discounts:* We offer a 5% discount for 3 delegates; 10% discount for 4 delegates and 15% discount for 5 or more delegates. Discounts apply only where full rates are paid and when payment of delegate fees is undertaken in one transaction (e.g. one invoice issued).

*Please note:* Cancellations will be accepted up to 1 week before the course runs; an administration charge of 25% of the daily rate will apply. Personnel may be substituted at any time.

## **Contaminated Land Ready Reference**

The Ready Reference is designed to provide an easy to use source of key technical information about the investigation, characterisation and remediation of contaminated land. Delegates on LQM courses can pre purchase copies of the Ready Reference Guide at the reduced price of £75-00 (normal price £100-00) for collection during the course. The price of £75-00 does not apply to copies ordered after completion of the course.

## **For more information**

Please call Angela Mangaroo, our Administrator, or return the attached form by post or fax.  
Land Quality Management Ltd, Unit 8, The Business Park, Technology Drive, Beeston, Nottingham  
NG9 2ND

Tel: 0115 951 8030

Fax: 0115 967 8798

E-mail: administrator@lqm.co.uk

# Introduction to Contaminated Land Management

Fax To: Administrator

Fax No: 0115 967 8798

I wish to book places on the 'Introduction to Contaminated Land Management' courses being offered in November/December 2004 by Land Quality Management as follows:

<i>Date</i>	<i>No of delegates</i>	<i>Delegate Rate</i>	<i>Company/Organisation</i>

<i>Delegate Contact Details</i>	
<i>Name</i>	<i>Email &amp; Telephone No.</i>

Please indicate any special requirements (e.g. dietary or physical): .....

I will be paying by credit card/ cheque enclosed/ please invoice me. *Note: cancellation conditions apply*

<i>Invoicing details if applicable:</i>	
Invoicing Address	
Purchase Order No.	
Contact Name	
Telephone	

<i>Credit card details if applicable:</i>	
Number	
Expiry	
Name on card	
Billing address for card	

*Cheques should be made payable to Land Quality Management Ltd.*