

CONTAMINATED LAND WEBINAR

Essentials of CLM (3) – Risk Assessment

24th November 2020 09:30-12:30– Online Webinar Part 1

25th November 2020 09:30-12:30– Online Webinar Part 2

What is the webinar about?

In order to make decisions regarding the need, or otherwise, for remediation a suitable robust assessment of the potential risks must be conducted. This estimation and evaluation of risk are key components of the risk assessment process that underpins the planning and redevelopment regimes and the Part 2A regime.

This webinar, which focuses mainly on human health risk assessment, will outline current UK guidance relating to human health (HHRA) and controlled waters risk assessments (CWRA), and then explore the technical complexity of HHRA in more detail. It will summarise the importance of toxicology, explain the different Generic Assessment Criteria (GAC) commonly used in the UK (including the SGVs, the C4SLs and LQM/CIEH S4ULs) and outline the UK CLEA model, which is generally used to undertake detailed quantitative risk assessments (DQRA).

By the end of the webinar delegates should:

- understand the key concepts and guidance that underpin any HHRA and CWRA;
- be confident in using the technical terminology and many abbreviations (eg TDI, LLTC, ADE and MDI) encountered in most HHRA reports;
- recognise the differences between the various published GAC;
- be aware that where GAC are exceeded an appropriate DQRA may still demonstrate that remediation is unnecessary;
- appreciate the importance of uncertainty in any risk assessment; and
- be familiar the CLEA model and recognize its output reports.

The webinar stands alone but can be also undertaken as one module of the Essentials of Contaminated Land Management series - a structured programme of training leading to the Certificate in Contaminated Land accredited by the Chartered Institute of Environmental Health (CIEH).

The webinar will be presented by experienced trainers in short sections interspersed with interactive content, activities and practical exercises. Delegates will also be encouraged to submit questions during the day, which the trainers will do their best to address.

Who is the webinar for?

This webinar is intended for officers and managers who are involved in undertaking and/or reviewing human health and controlled waters risk assessments in the context of planning and redevelopment or the Part 2A regime.

Queries will be dealt with during the webinar and, in addition, attendees may forward questions prior to the webinar to emaq@ricardo.com.

COURSE PROGRAMME

Day 1

09:30	Welcome and Introduction Explaining the training package, its key elements, requirements and means of certification. Including the aims of the day and relevant LA officers duties.
	Session 1: Human Health Risk Assessment Policy and Guidance An overview of the historical development of UK guidance, what has been withdrawn and what is still extant
	Session 2: Introduction to Human Health Risk Assessment Outline of the basic principles and terminology used
	Comfort Break (may be taken part way through Session 2)
	Session 3: Introduction to Controlled Water Risk Assessment Outline of the basic principles and terminology used
	Open discussion
12:30	Day 1 Close

Day 2

09:30	Recap of Day 1/Questions
	Session 4: Toxicology and Health Criteria Values Outline of the key toxicological principles that are fundamental to any risk assessment, including terms such as TDI, ID, LLTC, threshold and non-threshold effects and the difference between systemic and localised effects.
	Session 5: Using Generic Assessment Criteria Review of the current UK generic assumptions and landuses and the assessment criteria based on them, including SGVs, C4SLs and S4ULs.
	Comfort Break (may be taken part way through Session 5)
	Session 6: DQRA, the CLEA software and Risk Evaluation Including a demonstration of the CLEA software and manual
	Concluding discussions and questions
12:30	Close

Each session will include lecture presentation(s), interactive activities, and will include flexibility for regular comfort breaks.

Study materials for any practical elements will be provided digitally, either before or during the webinar, using the email address provided.

NOTE: A CPD Certificate for each delegate will be available on completion of a feedback request after the webinar.

YOUR TRAINER

Land Quality Management Ltd deliver the contaminated land EMAQ webinars. Based at the University of Nottingham Innovation Park, LQM have developed an international reputation for their work in risk assessment. LQM are known for delivering high quality, high value work for local authorities throughout the UK and beyond. Their work has delivered several step changes in the way human health risk assessment is carried out by the sector. Their long standing training programme has helped numerous local authority staff develop their skills in a wide variety of contaminated land management skills.

Judith Nathanail is a Project Manager with Land Quality Management Ltd and has over 20 years' experience in the field of contaminated land management. She has degrees in Geography and Geology from London University and an MSc in Engineering Geology from Imperial College London. She has worked for Wimpey Laboratories, Wimpey Environmental and Delta Simons and joined LQM in 1999. Judith has carried out and project managed numerous phase 1 and phase 2 risk assessments and has extensive field experience in most aspects of site investigation. She has been involved in a range of remediation projects including air sparging and bioremediation. Judith is a co-author of the LQM/CIEH Suitable 4 Use Levels and has worked on various research projects including NanoRem (a EU project on NanoRemediation) and D4S (an innovate UK funded project on renewable energy).

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BOOKING FORM

When completed please email this form to emaq@ricardo.com

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Registration Details:

Fees: £250 + VAT for additional member places

£295 + VAT for non-Subscribers

Date: 24 November (Part 1) / 25 November (Part 2) 2020 09:30-12:30 – Online Webinar

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NOTE2: YOU WILL BE EMAILED A REGISTRATION LINK PRIOR TO THE WEBINAR. PLEASE FOLLOW THE LINK TO REGISTER WITH GoToWEBINAR. YOU WILL THEN BE SENT A CONFIRMATION EMAIL CONTAINING DETAILS OF THE WEBINAR. WE RECOMMEND THAT YOU TEST YOUR CONNECTIVITY PRIOR TO THE WEBINAR USING THE LINK IN THIS EMAIL

Booking Terms and Conditions:

- Fees include documentation
- **Cancellation without 48 hours notice may render the delegate liable for the full fee/loss of subscription place. Substitutions can be made but please let us know in advance.**
- EMAQ+ reserves the right to cancel a webinar session should there not be enough delegates booked on.