

Contaminated Land and Brownfield Remediation

16 and 17 September 2008
Hotel Russell, London

Farewell to landfill....

The forum for contaminated land professionals

Why should you attend?

- Examine case studies, get best practice, and avoid costly delays
- Hear about the latest technology innovations including advances in in-situ
- Pre-empt the project's end from the onset and save time and money
- Discover what can be done about the brownfield skills gap
- Explore strategy and policy: when will waste ceasing to be waste cease being a problem?
- Cost comparison: affects of the removal of the landfill tax exemption
- Network with a who's who of the industry and discuss the issues with respected industry speakers in this 6th annual event

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Contaminated Land and Brownfield Remediation

Farewell to landfill....

16 September 2008

Strategy, technology, skills and sustainability

9.30 Chair's opening remarks

Stephan Jefferis, Director
Environmental Geotechnics Ltd

STRATEGY AND POLICY

9.40 Brownfield strategy: national and sub-regional levels

- What is underway to enable the prioritisation of brownfield sites for redevelopment and reclamation at national, regional and local levels
 - The Brownfield Forum – unifying brownfield interests but how will it work in practice?
 - Implementing local brownfield strategies, what are the incentives and enablers?
- Richard Boyle, Brownfield Technical Consultant, English Partnerships

10.05 Brownfield incentives – planning for change

- The abolition of the Landfill Tax Exemption
 - Land Remediation relief – extension to derelict sites and timing issues
 - What changes mean on the ground – cost comparison analysis pre and post the removal of the exemption
- Ben de Waal, Partner
Davis Langdon Crosher and James

10.30 The new Code of Practice – when waste ceasing to be waste ceases to be a problem

- Background to the guidance, why previous guidance didn't work
- How the Code of Practice will facilitate the industry and how it will work
- The implications for Soil Treatment Centres

and waste movement

- Will its voluntary status be abused? Will waste activities go unregulated?
- David Oram, Regeneration Manager
National Grid Property Ltd

10.55 Q&A panel

11.10 Coffee break

TECHNOLOGY UPDATE

11.35 Technology snapshots

Six phase heating

Andrew Fraser, Managing Director
Terra Vac (UK) Ltd

DRAM: a new, sustainable technology for remediating contaminated groundwater

Professor Ken Killham, Science Director
Remedios

Charcoal for land remediation

Dr Jeremy Wingate, Head of Land
Regeneration and Urban Greenspace
Forest Research

12.10 Treatability studies – improving certainty in your remediation technique

- The uptake in the UK compared with use in Denmark – what factors are driving this?
 - In-Situ pilot treatability tests – outlining the benefits
 - Choosing test sites and ensuring the results are sufficiently representational of the site
 - Who ought to pay for the tests? Contractual issue with treatability studies
 - How can treatability studies be used as a tool for verification
- Phil Studds, Director
Ramboll Whitbybird

12.35 Getting the most out of your lab

- Working partnerships: responding to the need for collaboration
 - Improved customer relations, understanding market needs
 - Cost effective solutions: pre-screening your screening criteria
 - Effective communication
- Ian Rippin, Commercial Director
National Laboratory Service

1.00 Q&A panel

1.15 Lunch

2.00 Advances in historical mapping and data

- How mapping was done in the early days
 - Some buildings were missed of – why?
 - Identifying Ordnance Survey mapping errors by using aerial photos
 - How these errors are being rectified
 - Edge mapping
 - Where these maps are used and how: environmental reports
- Phil Hopkins, Technical Consultant; and
Nicola Wild, Business Development Manager
GroundSure

2.30 PANEL DISCUSSION: Skills shortages and solutions: what can be done about the brownfield skills gap?

Gill Taylor, Chief Executive
Academy for Sustainable Communities

Jane Garrett, Chief Executive
CL:AIRE

Mike Harget, Technical Manager (Geoscience)
Environment Agency

Tony Hicks, Education and Training Services
Manager, Energy & Utility Skills

Phillip Crowcroft, Partner, ERM, and
Chairman, SILC

Ged Duckworth, Consultant

3.30 Coffee break

MEASURING SUSTAINABILITY

3.55 The sustainability labyrinth – not sure which way to turn?

- Why sustainability – what is it?
- How is sustainability assessed?
- What are the tools used for sustainability appraisal and how good are they?
- Proposal for a qualitative tool and tiered approach

Dr Paul Bardos, Managing Director
R3 Environmental Technology Ltd

4.20 Measuring sustainability on remediation projects in the Netherlands

- Using decision support systems like ROSA and REC
- Balancing between qualitative and quantitative data
- Verifying sustainable targets set out in design
- How have these tools changed the nature of Remediation practice in the Netherlands?

Laurent Bakker
TAUW, NL

4.45 Q&A panel and close

 **Brownfield Briefing Remediation
Innovation Awards**
16 September 2008

Sponsored by **Landmark Information Group, ERM,
Groundsure, National Grid, NHBC**

Now in their fourth year, the *Brownfield Briefing Remediation Innovation Awards* recognise best practice in remediation and use of remediation technology by UK based companies.

The Awards are divided into categories that include the different remediation techniques; the most innovative method; best conceptual design work; best verification process; and most sustainable remediation method. New for 2008 are awards for best communications and stakeholder engagements and best recovery of land for heritage or community use.

Winners will be announced at a gala dinner to be held at the Radisson SAS Portman Hotel, London. To book your place at the Awards dinner, please use the form at the back of this brochure, or go to: www.brownfieldawards.com

17 September 2008

Olympics, project design, other uses for brownfield, in-situ

9.30 Chair's opening remarks

Jonathan Atkinson
Environment Agency

THE OLYMPICS, SOIL TREATMENT CENTRES AND CLUSTER

9.40 The olympics and mega project management

- Setting and sticking to deadlines on such a time sensitive project – avoiding delays and the dreaded dominos effect
- Challenges of working with numerous stakeholders – combating communication worries
- Regulators on site – effectively enforcing policy whilst facilitating a speedy delivery
- What lessons can the contaminated land industry take from this project?

Dr Jan Hellings
Project Sponsor, Enabling Works
Olympic Delivery Authority

10.05 Soil Treatment Centres – what does the future hold?

- Why have Soil Treatment Centres not taken off more quickly in the UK?
- How changes to the hazardous organic waste pre-treatment requirements in 2008 and the Code of Practice should drive STCs as a remedial option
- Future plans for more expansive treatment facilities
- Will STCs replace landfill in the future as the new 'Dig and Treat'?

Gene Wilson, Group Technical Director
Augean Plc

10.30 CLUSTER – the final phase

- Project completion in 2008, overview of successes of the project
- Co-ordination and management of the cluster model – what lessons have been learnt?
- The applicability of the CLUSTER model elsewhere in the UK and expectations for future use

Tony Swindells, Brownfield Land Consultant
English Partnerships

10.55 Q&A panel

11.10 Coffee break

PROJECT DESIGN – PRE-EMPTING THE PROJECT'S END FROM THE ONSET

11.35 Site Waste Management Plans at work

- The industry response to the SWMPs, uptake thus far
 - Case study example of SWMPs being implemented
 - Featuring waste management into the original project design
- Diana Lock, Chief Executive, and
Kevin Bush, Construction Advisor
Remade South East

12.00 Integrated remedial design

- The importance of good site characterization and technology selection
- Design of integrated treatment strategies
- Securing remedial closure following typical slow downs after initial mass reduction successes and performing validation assessments

Jeremy Birnstingl, Managing Director
Regenesys

12.25 Case study – remediation of flame retardants using chemical oxidation

- Remediation of a large groundwater plume of flame retardants and chlorinated solvents migrating into a major river from an adjacent chemical works
- Choosing a suitable remedial method for the project to ensure an effective clean up within given time scales – in-situ chemical oxidation using Fenton's reagent
- The use of pilot trials and success to date

Patricia Gill, Associate
White Young Green Environmental
Jamie Harris, Project Manager
QDS

12.50 Q&A panel

1.05 Lunch break

BROWNFIELD'S OTHER USES

2.00 Brownfield in communities

- What volume of Brownfield land is currently being remediated and reclaimed for recreational use?
- The factors driving the demand for green space in the UK
- A sustainable practice and long term solution to land contamination
- Risk to public health from contaminated land and recreational spaces

David Evans, Estates Director
Land Restoration Trust

2.25 From brownfield to greenspace

- History of regeneration of brownfield sites through forestry in the UK
- Current projects throughout the country, including the 'Newlands' and 'Ingrebourne'
- Suitability and technical issues of greenspace establishment
- Best practice and guidance
- Monitoring the impacts

Dr Kieron Doick, Land Regeneration
Biogeochemist
Forest Research, Forestry Commission

2.50 Q&A panel

3.05 Coffee break

IN-SITU SPECIAL

3.25 In-situ chemical oxidation – understanding and applying the science

- The anticipated increase in the application of in-situ chemical oxidation (ISCO) treatments
- Reviewing ISCO techniques in light of potential adverse impacts – what are the key factors to take into account?
- Development of screening tool for ISCO remediation of multi-contaminated groundwater

Ian Fielding, Senior Project Manager
Worley Parsons Komex

Dr Adrian Butler, Reader in Subsurface
Hydrology, Imperial College London

3.50 Advances in field application of chemical oxidants and biological substrates

- Overview of traditional methods for effective delivery to the subsurface of chemical oxidants or biological substrates. What types of problems can occur? Is formal training needed?
- How can innovative delivery techniques and monitoring improve the process?

■ Case study examples
James Baldock, Senior Consultant
Environmental Resources Management

4.15 Case study: in-situ chemical oxidation using soil mixing

- Project involving intensive chemical oxidation of gross chlorobenzene (MCB) and dichlorobenzene (DCB) contamination using an innovative soil mixing delivery system

Ross Pollock, Technical Director
Churngold

4.40 Q&A panel and close



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I would like to attend both conference days (saving up to £105)

- £650 + VAT (£763.75)** for *Brownfield Briefing*, *Property Forecast* and *Sustainable Building* subscribers
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I would like to attend one day only

- Day 1 (16 Sept)** **Day 2 (17 Sept)**

- £375 + VAT (£440.63)** for subscribers
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I would like to attend the Remediation Innovation Awards (16 September, Radisson SAS Portman)

- £100 + VAT (£117.50)** for a single seat
- £950 + VAT (£1116.25)** for a table of 10

I would like to take out a no-obligation trial to *Brownfield Briefing*

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Location and Travel

This event will take place at the Hotel Russell on Russell Square in central London. Full joining instructions will be sent to all delegates.

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