



Brownfield Land Wales

24 October 2018 | Cardiff

About this event

Recognising the differences in planning and environmental law in Wales, and some of the key environmental and geo-technical challenges due to the local landscape and industrial heritage, this Brownfield Briefing conference will address a wide range of key issues and recent developments in contaminated land investigation, remediation and redevelopment, including:

- Planning update on the National Development Framework for Wales, and the role of brownfield land in this
- Improving the quality of contaminated land risk assessment to facilitate remedial options appraisal
- Effective groundwater contamination risk assessment
- Asbestos: Effectively applying current asbestos guidance using a suitable risk-based approach
- Assessing & managing the impact of former mining legacy on land quality
- Ground-gas: Best practice guidance on the assessment and mitigation of ground-gas
- Case Studies of brownfield remediation and regeneration projects in Wales

Why attend?

Expert panel

The conference brings together a balanced panel of experts including Regulators, Local Authorities and Brownfield & Contaminated Land Consultants and Contractors, all carefully selected to provide an insight into the challenges they have faced, and solutions found, when dealing with formerly-used sites.

Regional Focus & Current thinking

The conference programme has been written following detailed conversations with those involved in all aspects of assessing, remediating, and re-developing contaminated and brownfield sites, with a specific focus on projects in Wales.

Case studies

Learn from the experiences of your peers and hear examples of best practice in a across the country. Benefit from Welsh case studies demonstrating the complex technical and commercial challenges encountered and overcome when assessing and remediating contaminated land.

Time efficiency & focus

Remove yourself from day-to-day distractions for just one day and benefit from a series of focused presentations designed to address key issues, offer new ideas and impart practical guidance and solutions.

Q&A panel discussions

Have your specific questions answered making use of the multiple Q&A sessions.

Programme

9.00 Registration and Refreshments

9.30 Opening remarks from the Chair

Daymion Jenkins, Director, Ground Risk & Remediation, WSP

Welsh Planning Policy Update

09.40 Planning Policy Update: Examining the progress of a National Development Framework for Wales and the implications of this for brownfield development

- Outlining key objectives, timescales and responsibilities:
 - highlighting the differences to planning policy in England
 - how will the new Wales Planning Code encourage the utilisation of brownfield sites for development?
- Examining the role, and implications for development, of contaminated and brownfield land in this new planning framework
- Exploring how local planning authorities will be supported to enable brownfield sites to be brought forward:
 - clarifying key points; eg “de-risking” and “deliverability in economic terms”

Mark Roberts, Director, Barton Willmore

Contaminated Land & Groundwater Risk Assessment

10.10 Developing an appropriate CSM and DQRA to support proportionate and appropriate contaminated land management

- Understanding the value of robust conceptualisation in defining an appropriate CSM (understanding your sources, pathways and receptors)
- Developing an effective CSM to underpin an appropriate monitoring strategy; dealing with uncertainty
- Case Study: Asbestos characterisation and risk assessment - pitfalls and opportunities

Phil Thomas, Technical Director, RPS Group

Richard Graham, Associate Director, RPS Group

10.40 Morning Refreshments & Networking

11.10 Case study: Overcoming the challenges of investigating the former Dhol landfill site

- Detailing the background to the site and why it was investigated
- Overcoming the logistical, human and physical challenges:
 - SSSI in an Area of Outstanding Natural Beauty
 - location and site conditions
- Creating a multi-discipline project team and the benefits of this
- Best practice site investigation techniques and technologies enabling live interpretation of data on-site and remotely
- Lessons learned and next steps

11.55 Practicalities of developing robust yet achievable risk assessment targets for the protection of water environment receptors

- Examining the extent to which recently updated guidance has changed the approach to groundwater risk assessment
- Understanding the latest monitoring requirements and procedures to choose appropriate groundwater monitoring techniques
- Making the most of established analytical techniques to reduce conservatism in the DQRA process

Duncan Cartwright, Principal Hydrogeologist - Land Quality & Remediation, SLR Consulting

12.25 Managing the legacy of abandoned mines: the hazards and the opportunities

- Examining the coal mines gas hazard; the gases, their properties and the source-pathway- receptor model
- Introduction to former mining techniques and early legislation to manage risks
- A review of the Coal Authority records and UK and Welsh mining legacy, with examples of Welsh mines gas disasters
- The extent of the Welsh coal mining hazards with reference to sources pathways and receptors
- Assessing the risks of former mining activity in Wales, including specific hazards and risks associated with mine gas
- Examining the recent Gorebridge mines gas event and looking at the implications and lessons to be learned
- Mines gas management and opportunities for the future

Simon Talbot, Managing Director, Ground-Gas Solutions

12.55 Lunch & Networking

Contaminated Land Remediation Solutions

13.45 Update on the implementation of an innovative metal mine water remediation programme in Wales

- Examining prioritisation & feasibility at priority abandoned metal mine sites
- Innovative techniques for managing the environmental impact of abandoned metal mines in Wales – an update on the pilot projects

Peter Stanley, Geotechnical Engineer, Natural Resources Wales

14.15 Asbestos in Soil: Practicalities of working on sites with low level, 'trace' and sporadic asbestos contamination

- Defining soils with low level, 'trace' and sporadic asbestos contamination
- Best practice for applying CARSOIL to a site with minor asbestos contamination issues:
 - applying the CARSOIL & Control of Asbestos Regulation 2012 (CAR2012) to sites with minor contamination issues
 - appropriate control measures on sites minor asbestos contamination
 - the importance of a robust SI and identifying additional asbestos issues onsite during development
- Managing material with minor asbestos contamination:
 - segregation of materials and avoiding cross contamination
 - processing and remedial techniques for asbestos fibres in soil
 - refining waste classification, waste reduction and the costs of disposal.
- Examining the technical and legal implications of re-using material with minor asbestos-contamination:
 - deciding what material can be re-used on site
 - gauging the Regulator's view on re-use
 - the longer-term risks of re-using & how it should be monitored over time

- Case study: Practicalities of identifying, remediating and re-using asbestos-contaminated materials on-site

James Macfarlane, Technical Director (Asbestos), Hydrock

14.45 Afternoon Refreshments & Networking

15.05 Case Study: Tata Port Talbot Steelworks, Ground Remediation for New Power Plant Development

Understanding the distribution of contamination within the land and developing an effective and targeted remediation plan was essential to ensuring that Tata's Port Talbot's power plant development plans could be delivered in a compliant and cost effective way.

In this case study, you will gain an insight into the effective management of a complex site development scheme by listening to a first-hand account of the remediation works at the Tata Port Talbot steel-making site. Following a background into the site and power plant development plans, Paul will discuss how the remediation plan was developed, including the soil re-use acceptance criteria and soil re-use strategy. Key information on contamination risk assessment, materials management methods, as well as monitoring and verification will be included to give you a broad overview of the site investigation and land remediation strategy for the project.

Paul Tilley, Operations Director, Socotec

15.35 Overcoming the challenges of delivering large complex brownfield regeneration schemes - A Case Study of the Coed Darcy Remediation Project

The Llandarcy Oil Refinery in South Wales was opened in 1921 and the site was run by BP until the mid-1980s. In 2008 the site was acquired by St Mowden Developments Ltd with the aim of transforming it into the first sustainable 'urban village' in South Wales; a community with 4,000 homes, schools, leisure space, commercial space and sports facilities.

The development is one of Europe's largest brownfield sites and one of the most important regeneration projects underway in South Wales. Requiring an extensive remediation programme, drainage and infrastructure improvements, and ecological considerations, as the site is adjacent to a Site of Special Scientific Interest (SSSI), the development of this site has required truly integrated multidisciplinary solutions.

Tim Budd, Associate Director: Infrastructure, Atkins

16.05 Closing remarks from the Chair and close of conference