

Sharing supplier good practice for nuclear and defence sites

Who are we?

The SAFESPUR Forum is a network specific for the supply chain working on contaminated land and decommissioning projects for the nuclear industry. Its main aim is to share supplier good practice for nuclear-licensed and defence sites.

What does SAFESPUR do?

The SAFESPUR Forum provides:

- a comprehensive series of workshops and events through out the year
- free attendance for up to two delegates at any SAFESPUR event
- continuing professional development (all events are CPD accredited)
- access to event reports from past events to all members
- business networking opportunities.

SAFESPUR network benefits

By joining the SAFESPUR Forum you can:

- be kept up-to-date with the latest developments in nuclear decommissioning and waste management
- learn from key industry experts
- attend our programme of events including site tours
- benefit from networking opportunities with industry practitioners and client organisations (eg NDA, MoD, site license companies).

★ Challenges in reducing the burden on the UK's national LLWR ★ Remediation on nuclear sites - the decision-making process ★ Innovation on nuclear sites - decommissioning & remediation ★ SAFESPUR Christmas networking event ★ Sharing good practice in decommissioning & waste management ★ Land quality: Demonstration projects and delicensing ★ Materials management in nuclear decommissioning ★ Nuclear decommissioning: priorities & challenges ★ Nuclear decommissioning and the waste hierarchy ★ Nuclear intelligence update ★ Revised exemption orders ★ Use of crushed concrete ★ International reachback ★ Benefits from research and innovation ★ Site decommissioning case study and visit

For more information...

Phone: **020 7549 3300**

Email: enquiries@safespur.org

Join now at: www.safespur.org

The SAFESPUR Forum is about the decommissioning and restoration of nuclear and defence sites. It focuses on the management of radioactive and non-radioactive wastes, and the management, including the remediation, of radioactively and non-radioactively contaminated land. In the case of wastes it covers all the levels in the Waste Hierarchy, from avoiding their production, through recycling and re-use, to choice of disposal method. It deals with all steps in land management, from characterisation, through choice of management method, to implementation, monitoring and record keeping.



SAFESPUR

A CIRIA Learning Network

Recent events

One of the major aims of SAFESPUR is to keep members up to date on all aspects of waste and land management. This includes **changes in legislation and the regulatory framework**. For example, in November 2011 there was an event about the revised regime for **exempting radioactive wastes from regulatory control**. The event included presentations from Government, regulators and the nuclear industry that explained the new regime and explored its practical implications. As in all SAFESPUR events, there was plenty of time for questions and discussion, both in the formal sessions and informally during the breaks.

Updates on **recycling and re-use** have featured in a number of recent SAFESPUR events. **The recycling of metals** and the re-use and recycling of concrete were covered briefly in an event in May 2011 on nuclear decommissioning and the Waste Hierarchy. **The re-use and recycling of crushed concrete aggregate** was then dealt with in much more detail at an event in April 2012.

Presentations at the April 2012 event described current practices in the nuclear and defence sectors. These vary considerably from site to site. Some sites are re-using or recycling a significant fraction of their non-radioactive concrete, either on or off site. Others are at the stage of planning what to do with the large volumes of concrete that will be generated by decommissioning. There were also presentations about **practices in other sectors**, where re-use and recycling of concrete is the norm, not the exception. As well as sharing their experiences, participants were able to take advantage of some practical suggestions to help nuclear and defence sites to find more routes for re-use and recycling of concrete.

Disposal options for low and very low level radioactive wastes (LLW and VLLW) feature frequently at SAFESPUR events. Presentations at events in 2011 covered the future use of the Low Level Waste Repository (LLWR), the proposal (now a reality) to allow disposal of VLLW at the Augean plc East Northants Resource Management Facility, the possible disposal of VLLW at Lillyhall in Cumbria, and incineration of combustible wastes.

Public attitudes to practices in the nuclear and defence sectors are discussed at many SAFESPUR events and are sometimes the subject of specific presentations. For example, at an event in May 2011 a representative of NGOs gave a presentation on “diluting and dispersing” VLLW by recycling/re-use and by landfill disposal. At an event in 2012 there was a presentation that showed how the views of the local community influenced the choice of land remediation method at a defence site. Also at that event, participants discussed how to increase public confidence that re-use and recycling of materials originating from nuclear and defence sites can be carried out in ways that will properly protect people and the environment.



The technical aspects of decommissioning and the **management of contaminated land** have been the subject of some very interesting presentations in 2011 and 2012.

Topics have included

- the remediation of land contaminated with plutonium and TNT
- the use of remotely operated vehicles (ROVs) in decommissioning projects
- characterising sludges in the Legacy Ponds at Sellafield
- Techniques for decontaminating buildings at Douneray, LLWR and Eskmeals
- Working with analytical laboratories to achieve faster turn-round and good quality analyses at lower cost

Sharing knowledge and disseminating good practice is another SAFESPUR theme. This includes **transfer to the UK of expertise and experience from other countries**. An event in May 2012 focused on international knowledge transfer. It included examples of how UK nuclear and defence sites are making use of techniques, technical information and experience from abroad. There were also examples of international sharing of expertise in managing people and projects, and a presentation on the work of the World Nuclear Association.

After each SAFESPUR event the presentations are placed on the SAFESPUR website (www.safespur.org), together with a note summarising them and the discussions. CIRIA has also trialled video recording of presentations and placing these on the website, and may do more of this in future. However, there is no substitute for being there on the day. Only by attending events can members ask questions of the speakers, take part in the discussions, network with colleagues and make new

Events and speakers



A CIRIA Learning Network

2 Day Nuclear Decommissioning Conference	June 2009
Challenges in reducing the burden on the UK's national LLWR	April 2009
Remediation on nuclear sites - the decision making process	October 2009
Innovation on nuclear sites - decommissioning & remediation	November 2009
SAFESPUR Christmas networking event	December 2009
Sharing good practice in decommissioning & waste management	March 2010
Land quality: Demonstration projects and delicensing	October 2010
SD Spur: Materials management in nuclear decommissioning	May 2010
Nuclear decommissioning: priorities & challenges	January 2011
Nuclear decommissioning and the waste hierarchy	May 2011
Nuclear intelligence update	August 2011
Revised exemption orders	November 2011
Use of crushed concrete	April 3 2012
International reachback	May 2012
Benefits from research and innovation	June 2012
Site decommissioning case study and visit– (under development)	September 2012

Stephanie Bloomer AMEC
Mike Lodge ArviaTechnoogy&
Gene Wilson Augean PLC
Ian Swallow BAE
Chris Fayers Clearance and Exemptions Working Party
Marion Hill Consultant
Steve Chandler DECC
Mike Tait DSRL
Paul Robinson Environment Agency
Peter Orr Environment Agency
Patrick Higgins EnviroS
John Sharp Harwell Local Stakeholder Group
Donna James Hghways Agency
Martha Mc Barron Jacobs
John Bloodworth KDC
Dick Raaz LLWR
Tim Hedahl LLWR
David Rossiter LLWR
David Wickenden Magnox
Ellanor Joyce Magnox

Chris Fayers Magnox
Darrell Morris NDA
Jo van Straaten NDA
Emma Adam - NISP NISP
André Wakker NRG
Lorna Proctor Nuvia
Peter Burgess Nuvia
Mike Nicholls PACTEC
Paul Atyeo RSRL
Philippa Towler RSRL
David Adamson Sellafield
Paul Kelly Sellafield
Sean Morgan SellafieldLtd
Adam Stackhouse SEPA
Phil Holland SITAUK
Joe Robinson Studsvik UK Ltd
Paul Dorfman University of Warwick
Andrea Borwick Waste Recycling Group
Jamie Townsend Word Nuclear Association
John Barritt WRAP
Peter Booth WSP