

Radioactive Waste Management 2010

Wednesday 26th – Thursday 27th May 2010
 Millennium Gloucester Hotel, London

Delivering strategic and technical excellence in radioactive waste management



RADIOACTIVE WASTE MANAGEMENT 2010 WILL OFFER YOU THE OPPORTUNITY TO:

- >> Discuss the latest international **policy** and **regulation**
- >> Hear **case studies** from **radioactive waste management projects** including France, Sweden, Belgium and the United Kingdom
- >> Explore and comprehend the **technical** and **practical** waste management issues
- >> Overcome **project management** and **operational challenges** facing waste management professionals
- >> Acquire essential knowledge to **manage and dispose of LLW and HLW**
- >> Learn about overcoming **decommissioning challenges**
- >> Addressing waste management requirements for **nuclear new builds**
- >> Assess management of **legacy waste** and how it effects your waste management operations
- >> Network with **key radioactive waste management contacts** and hear directly from them

POST-CONFERENCE WORKSHOP • FRIDAY 28th MAY 2010

Delivering Solutions for Low Level Waste Management

Addressing the key issues in disposal, storage, minimisation and transportation for LLW

HEAR FROM INTERNATIONAL INDUSTRY EXPERTS INCLUDING:

- >> **Christina Necheva**, *Radioactive Waste and Spent Fuel Management, European Commission*
- >> **Phil Davies**, *Head of National Waste Strategy, Nuclear Decommissioning Authority*
- >> **Neil Shaw**, *Chief Engineer, Head of Engineering & Technical, LLW Repository Limited*
- >> **Dr Börje Torstenfelt**, *Director, Department of Low and Intermediate Level Waste, SKB, Sweden*
- >> **Marc Demarche**, *Deputy General Manager, ONDRAF, Belgium*
- >> **Karan North**, *Waste Manager, Magnox South*
- >> **Michel Dutzer**, *Deputy Director, Industrial Branch, ANDRA, France*
- >> **Phil Metcalf**, *Head of Radioactive Waste & Spent Fuel Management, International Atomic Energy Agency*

"Good and informative conference which brings in all aspects of waste management." - Past Delegate, Studsvik

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Radioactive waste management is a critical part of the nuclear industry, and there is a multitude of complex factors to be addressed in order to ensure the success of your radioactive waste management operations.

The Radioactive Waste Management 2010 conference has been specifically developed to discuss strategy, technical advances, regulation, waste management and disposal operations from across the globe.

With a programme consisting of **international and United Kingdom case studies, regulator and policy updates, technical sessions and practical strategy presentations**, the conference provides delegates with an interactive forum where a wide range of industry experience is shared, analysed and debated. Topics and issues include:

- A radioactive waste management policy update from the European Commission
- LLW and HLW management case studies
- Nuclear new build and decommissioning waste management debates
- International radioactive waste management case studies and perspectives
- Plus enhanced networking opportunities with round tables, speedy business card exchange and networking drinks

Attendance at Radioactive Waste Management 2010 is a must to ensure you receive the latest information, tactics, options and best practice to improve your radioactive waste management operations.

Day 1 – Wednesday 26th May 2010

8.30 Registration and coffee

9.00 Chairperson's welcome and opening remarks

REGULATION AND POLICY UPDATE

9.10 **Sustainable management of radioactive waste and spent fuel in the EU – Responsibilities and challenges**

- Radioactive waste as a challenge and its solution
- Commission policy on radioactive waste and spent fuel management
- Commission approach to a European framework on radioactive waste and spent fuel management
- Radioactive waste and spent fuel management as an integral part of the sustained use of nuclear energy

Christina Necheva, Radioactive Waste and Spent Fuel Management, European Commission

9.50 **The Nuclear Decommissioning Authority's Integrated Waste Strategy**

- Developing a United Kingdom wide strategy for radioactive waste
- Securing optimum waste management practices
- Reducing risk
- Establishing the Integrated Waste Strategy

Phil Davies, Head of National Waste Strategy, Nuclear Decommissioning Authority

10.30 Morning Tea

Delivering strategic and technical

11.00 **Managing nuclear waste – An update from SEPA**

- Overview of the policies that apply to managing nuclear waste in Scotland
- Does nuclear waste management in Scotland differ from the rest of the UK?
- SEPA's regulatory approach to managing nuclear wastes
- SEPA environmental protection principles in nuclear waste management

Jim Cochrane, Principal Policy Officer, Scottish Environment Protection Agency

LOW LEVEL WASTE MANagements DEVELOPMENTS

11.40 **CASE STUDY: Future plans at the LLW Repository site**

- Update on work going on at the LLWR site
- Examining issues regarding radiological capacity and site setting
- Future proposals and vision for LLWR
- New waste facilities

Neil Shaw, Chief Engineer, Head of Engineering & Technical, LLW Repository Limited

12.20 **Relieving pressure on radwaste disposal facilities through automated and intelligent waste segregation technologies – The US experience**

- The UK waste challenge and waste hierarchy
- Automated waste segregation technology
- Recent deployments at US sites
- Acceptance by state agencies and regulators
- Examples of throughput rates and cost savings

Jeff Lively, MACTEC Development Corporation

13.00 Lunch

14.00 **INTERNATIONAL CASE STUDY: Handling and final storage of low and intermediate level waste in Sweden**

- Waste acceptance criteria for LILW
- Intermediate and final storage of LILW
- Design and long-term safety of the repository for short-lived LILW, the SFR repository
- Future plans for long-lived LILW and decommissioning waste

Dr Börje Torstenfelt, Director, Department of Low and Intermediate Level Waste, SKB, Swedish Nuclear Fuel and Waste Management Company

14.40 **CASE STUDY: Nuclear waste management at Magnox South**

- Exploring the waste management strategy on the Magnox South site
- Understanding the quantities and types of radioactive waste produced
- Waste reprocessing, storage and disposal initiatives

Karan North, Waste Manager, Magnox South

15.20 **Speedy Business Card Exchange & Afternoon Tea**

A way to meet new contacts in a quick, easy and fun atmosphere. Maximise your time at the event in this fun and effective networking setting. Bring your business cards!

ROUND TABLE DISCUSSION FORUM

15.50 *The round table discussion groups provide you with a range of different discussion topics and is the ideal place for you to meet face-to-face with some of the key speakers and your peers in small groups. You will be able to choose between the tables, and change subject tables three times, to discuss specific issues and ideas that have arisen over the course of the day in an interactive environment.*

Table 1
Regulation and policy

Table 2
Low level waste management

Table 3
High level waste management

Table 4
Decommissioning and waste management

16.50 Chairperson's concluding remarks and end of day one

17.00 **Networking drinks reception**



Operational excellence in radioactive waste management

Day 2 - Thursday 27th May 2010

8.30 Morning Coffee

9.10 Morning review from Chairperson

INTERNATIONAL MANAGEMENT AND OPERATIONAL STRATEGY

- 9.20 **International Atomic Energy Agency's waste management strategy**
- Handling nuclear waste from production to end storage
 - Addressing national waste management policies and implementing strategy
 - Safety considerations for waste disposal
 - Regulatory requirements for waste management solutions
 - Supporting international projects and recent developments in international projects

Phil Metcalf, *Head of Radioactive Waste & Spent Fuel Management, International Atomic Energy Agency*

- 10.00 **INTERNATIONAL CASE STUDY: Approaches to radioactive waste management and disposal in France**
- Developing operational strategy
 - Repository design and siting
 - Forecasting waste inventory
 - Approaches to safety

Michel Dutzer, *Deputy Director, Industrial Branch, ANDRA, France*

10.40 Morning Tea

- 11.10 **INTERNATIONAL CASE STUDY: Long term management of radioactive waste in Belgium – the way to a strategic decision**
- The way to a strategic decision for the long term management of short lived waste in Belgium
 - EC directives regarding public involvement and SEA and transposition in Belgian law
 - The National Waste Plan of ONDRAF/ NIRAS - the way to a strategic decision for the long term management of long lived waste in Belgium

Marc Demarche, *Deputy General Manager, ONDRAF, Belgium*

WASTE DISPOSAL CHALLENGES

- 11.40 **Very Low Level Waste (VLLW) – A national perspective**
- VLLW and the types of waste materials that it includes
 - Prospective arisings, both in the short and long term
 - Management in accordance with the waste hierarchy
 - Opportunities and constraints for landfill disposal of high volume VLLW

Adrian Punt, *Associate Director, AMEC*

12.20 Lunch

- 13.20 **Geological settings for the disposal of high level radioactive waste**
- What does geology need to do?
 - Key geological factors
 - Comparing favourable and unfavourable geological situations

Richard Shaw, *Team Leader – Radioactive Waste, British Geological Survey*

DEALING WITH THE DECOMMISSIONING CHALLENGE

- 14.00 **Executing successful waste management in a decommissioning project**
- Decommissioning and waste management strategy – general principles
 - Case study – The Sellafield Ltd, Capenhurst Site Decommissioning Experience
 - Overcoming the decommissioning and clear up challenge

Bav Thaker, *Technical Manager - Nuclear, SITA UK*

14.40 Afternoon Tea

NUCLEAR NEW BUILDS AND RADIOACTIVE WASTE MANAGEMENT

- 15.00 **Waste management frameworks for new build**
- Assessing the nuclear new build programme
 - Implementation of waste disposal endpoints
 - Transitioning from long term storage to waste disposal
 - Addressing future nuclear activities

RADIOACTIVE WASTE TRANSPORTATION

- 15.40 **Transportation considerations for radioactive waste**
- Transportation and storage considerations
 - Safety and performance of transport options
 - Lessons learned from the transport of radioactive materials

Marc Flynn, *Chairman, Radioactive Material Transport Users Committee*

16.20 Chairperson's concluding remarks

16.30 Close of conference

POST-CONFERENCE WORKSHOP – Friday 28th May 2010 Delivering Solutions for Low Level Waste Management

Low-level waste operators, regulators and owners are facing a multitude of issues – disposal, storage, waste minimisation, transportation. It is critical to ensure that they have the up-to-date technical and operational information and advancements.

This post-conference workshop will provide you with critical insight into the challenges and changes that will impact your future low-level waste operations.

9.00 Registration and coffee

- 9.30 **Session I – Regulatory update and obligation for low level waste management**
- Legal obligations and considerations for LLW waste management projects
 - Meeting your legal and regulatory obligations
 - What are the practical implications for your LLW operations?

10.30 **Question and answer session**

10.45 Morning Break

- 11.00 **Session II – Low level waste storage and disposal**
- Analysis of storage and disposal management
 - Different categories of LLW and potential disposal methods
 - Disposal alternatives

- 12.00 **Session III – Waste minimisation**
- Establishing a coordinated strategy for waste minimisation
 - Determining priorities
 - Integrating management arrangements
 - Reviewing performance

13.00 **Question and answer session**

13.15 Lunch

- 14.15 **Session IV – Low level waste management and operations**
- Operation of LLW disposal facilities
 - Emerging issues for LLW
 - Delivering solutions for LLW

15.15 **Question and answer session**

15.30 Closing remarks and close of workshop

The Radioactive Waste Management 2010 conference will provide an excellent opportunity to demonstrate your expertise, products and services to a highly targeted group of industry professionals. There are a limited number of sponsorship and exhibition opportunities available.

For more information or to discuss individual requirements please contact Joseph Cleary on +44 (0)20 7017 4828 or email joseph.cleary@informa.com

Call the registration hotline on **+44 (0)20 7017 5518**

