

Prices held from 2004

IBC's 10th Global Conference & Exhibition on...

Decommissioning of

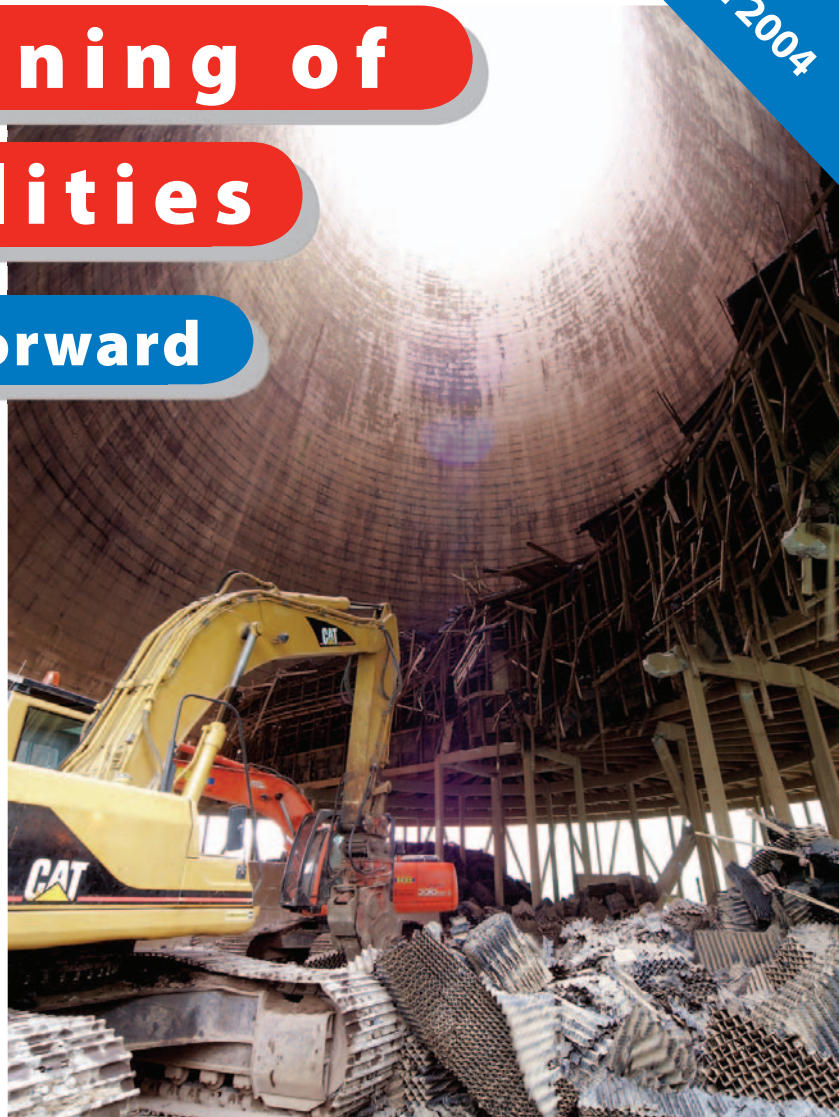
Nuclear Facilities

Taking Experience Forward

20 – 22 November 2006
Millennium Gloucester
Kensington, London

Highlights

- Policy & Strategy
- International Experiences
- Factors Impacting Decommissioning
- Decommissioning Waste
- Future Issues and Challenges

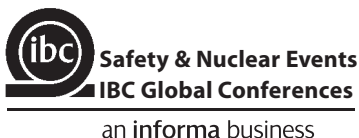


Calder Hall – courtesy of British Nuclear Group.

25 presentations from an International Speaker Panel including

World Nuclear Association • European Commission, Belgium • Nuclear Industry Association* • Nuclear Decommissioning Authority • BNFL • Big Rock Point Decommissioning Project, USA • UKAEA • EDF, France • RWE Power, Germany • E.ON Kernkraft, Germany • LaGuardia & Associates, USA • International Atomic Energy Agency, Austria • Brazilian Nuclear Energy Commission, Brazil • Nukem • Ansaldo Nucleare, Italy • Cogent Sector Skills Council • Pinsent Masons • Large & Associates • Science and Technology Policy Research (SPRU), University of Sussex • Alan Martin Associates • Environment Agency • NSG Environmental • AMEC NNC • British Nuclear Group

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This conference and exhibition will provide an opportunity to:

- ✓ **INFLUENCE** future strategies and initiatives
- ✓ **IDENTIFY** how previous and ongoing lessons and experience can be utilised
- ✓ **EXPLORE** how best practice can overcome cost, safety and security issues
- ✓ **GAIN** insight through a novel and constructive Roundtable Discussion Forum
- ✓ **MAXIMISE** your ability to keep pace with the latest developments

Sponsors and Exhibitors already confirmed include



www.nuclearevents.com/decom06

Decommissioning of Nuclear Facilities

Taking Experience Forward

The nuclear industry is presented with both challenges and opportunities as the global effort towards the planning, implementation and completion of decommissioning strategies increases in its scope and complexity.

This vital and complex process has been characterised by continued learning and development as acquired experience has emphasised the need for a flexible approach in taking strategies forward.

This 10th biennial global conference and exhibition will provide a comprehensive picture of the **current global decommissioning** scene and enable influence through participative discussion into future directions and initiatives.

International experience sessions from an authoritative speaker line-up will enable the **latest developments and strategies** to be compared. They will also allow **lessons learned** and techniques to be contrasted with one another in **project management, interfaces, timelines, innovation, finance, safety, transition, waste and site end-states**.

A novel and timely mediated Roundtable Discussion Forum will enable informal and topical debate to complement the wide range of speaker presentations. Delegates and speakers will be able to interact and explore a number of topics at each table in an environment that facilitates open two-way discussion and constructive debate.

Comments from attendees at the 9th Decommissioning of Nuclear Facilities Conference & Exhibition

A lively, well-organised conference which assesses the present major issues in decommissioning (J-PC, EDF)

Very informative, lots of information (KR, British Nuclear Group)

A good international perspective on nuclear decommissioning that the UK can learn from (GD, Foster Wheeler)

Real international flavour – excellent transfer of knowledge (MK, Balfour Beatty)

Sharing of real practical experience from decommissioning and lessons learned (DA, BNFL)

The networking with others is most beneficial. Keeps me informed on others problems and issues (PS, MoD)

DAY ONE

Monday 20 November 2006

09.30 Registration and Coffee

09.50 **CHAIRMAN'S WELCOME AND OPENING REMARKS**

Alan Martin

Alan Martin Associates

INTERNATIONAL POLICY & STRATEGY

10.10 **SAFE DECOMMISSIONING OF CIVIL NUCLEAR INDUSTRY SITES**

A perspective from the World Nuclear Association (WNA)

- The nuclear industry 'story'
- Decommissioning strategies – national approaches
- Industry consensus towards sound practice
- Safety and affordability

Sylvain Saint-Pierre

Director, Environment and Radiological Protection
World Nuclear Association

10.40 **SUSTAINABILITY PRINCIPLES:
A practical move towards tomorrow?**

- There are a number of sustainability principles. For example, the current generation should deal with its own wastes; the polluter pays
- What are the practical implications of sustainability principles for a long term, multi generational activity like nuclear decommissioning?
- Should the application of sustainability principles extend beyond the nuclear site boundary to include sustainable neighbouring communities?

David Bonser

Executive Director BNFL and
Vice President, ENS

11.10 Morning Coffee

11.40 **EU DECOMMISSIONING POLICY AND SUPPORT
Effective technical and personnel strategies**

- The EU decommissioning scene
- The role of the European Commission
- Better Regulation: the need for EU legislation
- EU decommissioning support

Richard Clarke

Head of Decommissioning
European Commission, Belgium

12.10 **DECOMMISSIONING PROJECT STRATEGIES
Methodologies to take experience and decisions forward**

- NDA's mission and drivers
- Brief outline of National Strategy
- Developing and implementing NDA's Strategy for Decommissioning and Clean-up
- A look forward

Dr Janet Wilson

Head, Engineering Strategy and Decommissioning
Nuclear Decommissioning Authority (NDA)

12.40 **DISCUSSION SESSION WITH MORNING SPEAKERS**
This session will give opportunity for open debate on issues raised during the morning session

13.00 **Networking Lunch**

INTERNATIONAL EXPERIENCES

14.15 **BIG ROCK POINT: INTO THE FINAL STAGES**
Decommissioning project completion issues

- Project Vision – Achieved!
- Key Challenges
- Lessons Learned

Kurt M Haas
Site General Manager
Big Rock Point Decommissioning Project, USA

14.45 **THE FRENCH DECOMMISSIONING PROGRAMME: A LIVING REALITY**

Jean Paul-Chatry
Director, International Operations
EDF, France

15.15 **CHALLENGES FOR DECOMMISSIONING OF NUCLEAR FACILITIES IN BRAZIL**

- The operation of a monazite processing plant in Brazil during almost 50 years, has generated a large amount of radioactive waste
- These materials are kept under temporary storage in two facilities in São Paulo, which will require decommissioning in the near future
- Furthermore, the uranium mining and milling facility at Poços de Caldas has been closed and awaits definition regarding its decommissioning
- The presentation will cover the major issues related to the decommissioning of these facilities, including a technical discussion on the viable solutions for the storage of nuclear material and disposal of the radioactive waste

Dr Ana Maria Xavier
Senior Researcher, Porto Alegre Office
Brazilian Nuclear Energy Commission, Brazil
Co-authors: **Maisa H Magalhães** and **Paulo Fernando Heilbron**
Brazilian Nuclear Energy Commission

15.45 **Afternoon Tea**

16.15 **DECOMMISSIONING OF GERMAN POWER REACTORS**

- Strategies
- Decommissioning Projects from RWE and E.ON
- Lessons learned
- Future Prospects

Dr Ralf Versemann
Decommissioning/Dismantling of Nuclear Power Plants Division
RWE Power AG, Germany
Co-author: **Uwe Altmann**
E.ON Kernkraft GmbH, Germany

16.45 **REACTOR DECOMMISSIONING – TECHNIQUES AND EXPERIENCE – PROGRESS ON DECOMMISSIONING THE WINDSCALE AGR**

- WAGR History
- Decommissioning strategy – the Remote Dismantling Machine
- Management arrangements and changes
- Core dismantling progress - Tools and methods
- The future programme

Terry Benest
Senior Project Manager
UKAEA

17.15 **DISCUSSION SESSION WITH AFTERNOON SPEAKERS**

This session will give opportunity for open debate on issues raised during the morning session



17.45 **Drinks Reception**

18.45 **Close of Day One**

Date for your Diary

Radioactive Transportation: Clarity & Consensus

5/6 October 2006, One Whitehall Place, London

Full details available at:

www.nuclearevents.com/radtrans

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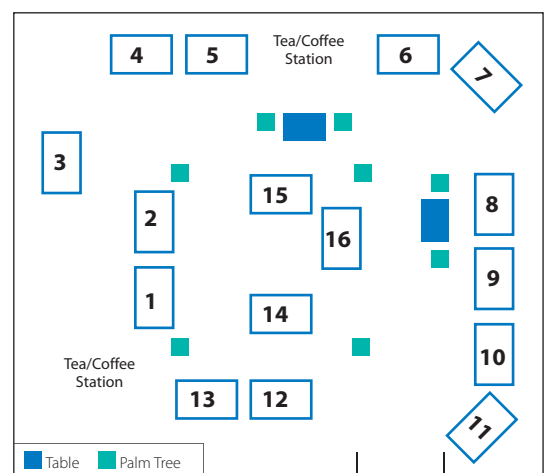
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Exhibitors already confirmed include:



WHAT PREVIOUS DECOMMISSIONING EXHIBITORS HAD TO SAY:

"Our objective was to create a high profile within the decommissioning market, which was met" **NNC Ltd**

"We were looking for, and found, exposure and networking in a relevant market" **Taylor Woodrow**

DAY TWO
Tuesday 21 November 2006

CHAIRMAN: Tom LaGuardia PE
Managing Member
LaGuardia & Associates LLC, USA

09.00 Coffee

FACTORS IMPACTING DECOMMISSIONING

09.20 **PLANT TRANSITION MANAGEMENT**
Experiences in moving from operational to decommissioned status

- Organisational Realignment
- Licensing and Regulatory Compliance
- Financing Activities
- System Reclassification
- Fuel Storage
- Decommissioning Preparations
- Site Characterisation
- Governmental and Community Relations

Tom LaGuardia PE
Managing Member
LaGuardia & Associates LLC, USA

10.00 **PRE-DECOMMISSIONING SAFETY ISSUES**

- Plant configuration risk assessment
- Plant ageing management and risk informed decision making process
- Shut down safety assessment
- Management of the operator technical competence

Dr Mamdouh El-Shanawany
Head, Safety Assessment Section
Division of Nuclear Installation Safety
International Atomic Energy Agency, Austria

10.30 Morning Coffee

11.00 **SAFETY STANDARDS AND REGULATIONS**

- Trends in Safety and Regulations
 - Impact on Decommissioning Programmes
- Speaker to be announced

11.30 **SITE END-STATES**

Is Greenfield the End of the Process?

- What are the possible Site End States
- What is consultation aiming to achieve
- Who makes the decisions
- Roles in process
- What will the answers look like
- Is it likely to be 'Greenfield'
- Is this the end of the process

Mark Wareing
Decommissioning Strategy Manager
Nuclear Decommissioning Authority

12.00 **DECOMMISSIONING – OPENINGS FOR THE TERRORIST THREAT**

- Nature of the Terrorist Threat
- Targeting and DBTs of Decommissioning
- Threats to Nuclear Power Plant Sites
- Threats to Decommissioning Waste Transportation
- Threats to Waste Storage and Disposal
- A Probabilistic Approach to Determining the Terrorist Threat
- Safer Decommissioned and Gone than Left In Situ?

John H Large
Large & Associates, Consulting Engineers

12.30 **DISCUSSION SESSION WITH MORNING SPEAKERS**
This session will give opportunity for open debate on issues raised during the morning session

12.45 Networking Lunch

14.00 **DISMANTLEMENT OF NUCLEAR POWERED SUBMARINES: OSCAR I CLASS AND VICTOR-III CLASS**

David Wells
Principal Consultant
Nukem Ltd

14.30 **ROUNDTABLE DISCUSSION FORUM**

This session will give speakers and delegates the opportunity to informally and constructively debate a topic at a table led a Roundtable host, who sets the agenda and mediates the discussion. Each discussion will last 30 minutes. Attendees therefore will have the opportunity of joining three tables.

Current Sponsors include:


Pinsent Masons

Table 1 Effective Project Management	Table 2 Site End States	Table 3 Transportation Issues
Table 4 Civil Nuclear Liabilities Chaired by Pinsent Masons	Table 5 Socio-Economic Implications	Table 6 Integrated Waste Strategies
Table 7 Innovation or "Tried and Tested"	Table 8 Accelerated Versus Deferred Strategies	Table 9 Global Decommissioning Markets

Sponsorship (including nomination of a chairperson) is available for some of the above round tables.

15.30 Afternoon Tea

16.00 **ROUNDTABLE DISCUSSION FORUM cont**

16.30 **INTEGRATED DECOMMISSIONING MANAGEMENT TOOL (IDMT)**

IDMT has been developed to help the Decommissioning Manager during each phase of decommissioning:

- Living data base for decommissioning programme
- Evaluates and optimises doses to operators
- Assists in managing the wastes and maintaining traceability
- Details will be given of three projects where it is being used on plants that are currently decommissioning

Sergio Orlandi
Ansaldo Nucleare SpA, Italy

17.00 **DISCUSSION SESSION WITH AFTERNOON SPEAKERS**

This session will give opportunity for open debate on issues raised during the afternoon session including Feedback from the Round Table Discussion Session

17.30 Close of Day Two

DAY THREE**Wednesday 22 November 2006****CHAIRMAN:** Alan Martin
Alan Martin Associates

09.00 Coffee

FUTURE ISSUES AND CHALLENGES**09.20 DECOMMISSIONING AS A WORLD MARKET**
Issues in capability and opportunities for industry**Keith Parker***
Chief Executive
Nuclear Industry Association (NIA)**09.50 DEVELOPMENTS IN CIVIL NUCLEAR LIABILITIES REGIMES**

- Global challenges of continued non-aligned liability regimes
- Significance of the Pan-European ratification of the Amendments to Paris and Brussels Conventions
- Effect of environmental legislation on development of nuclear liability regimes

Mark Richards
Partner and Head of Nuclear Energy and
Rebecca Harvey
Senior Associate
Pinsent Masons**10.20 ENVIRONMENTAL IMPACT ASSESSMENT FOR DECOMMISSIONING – PROTECTING THE ENVIRONMENT AND THE IMPORTANCE OF STAKEHOLDER ENGAGEMENT**

- Regulatory Requirements under the Nuclear Reactors (Environmental Impact Assessment for Decommissioning) Regulations 1999 and the Town and Country Planning (Environmental Impact Assessment) (England and Wales) Regulations 1999
- Successes to date in obtaining regulatory consents and provision of environmental management plans
- Lessons learnt in managing the regulatory and stakeholder requirements of the environmental impact assessment process.
- Development and innovation of decommissioning plans, the need to reassess environmental impact and the impact on schedule of a reassessment of the consent to decommission

Glenda Crockett
Engineering and Technical Services
British Nuclear Group

10.50 Morning Coffee

11.20 RETAIN AND TRAIN: DEVELOPING THE SKILLS FOR DECOMMISSIONING

- The operations workforce has the knowledge base of the plant for decommissioning it
- The decommissioning roles require adjustments to the skill sets to fill the gaps
- New skills are also needed and must be recruited
- Managing all this needs some sound frameworks and the right training provision

John Haddon
Nuclear Industry Lead
Cogent Sector Skills Council**11.50 PRACTICAL EXPERIENCES OF TIER 2 CONTRACTING IN THE NDA MARKET**

- The impact on the Tier 2 market from the formation of the NDA
- Experiences with the changing procurement strategies from Tier 1
- The impact of the more formal process of tendering

- Practical experiences of the issues encountered and the lessons learned
- Whats coming next?

Colin F Ellam
Business Development Manager
AMEC NNC Limited**12.20 DISCUSSION SESSION WITH MORNING SPEAKERS**

This session will give opportunity for open debate on issues raised during the morning session

12.40 Networking Lunch

DECOMMISSIONING WASTE ISSUES**13.50 HIGH VOLUME LOW ACTIVITY WASTE (HVLA)**
A major decommissioning consideration

- Why High Volume Low Activity (HVLA) waste is an issue for Decommissioning and where it might arise
- The relationship between HVLA waste and desired site end condition
- The current options that exist for managing HVLA type wastes, illustrated with how the issue is being approached at the UKAEA Harwell site

Paul Atyeo
United Kingdom Atomic Energy Authority (UKAEA)**14.20 MANAGEMENT OF UK RADIOACTIVE WASTE****Professor Gordon MacKerron**
Professorial Fellow, Science and Technology
Policy Research (SPRU) University of Sussex and
Chair, Committee on Radioactive Waste
Management (CoRWM)**15.10 INTEGRATED WASTE STRATEGIES IN DECOMMISSIONING AND CLEAN UP**

This presentation will consider the Environment Agency perspective on:

- the definition of an integrated waste strategy
- reasons for adopting an integrated, strategic approach to waste management
- progress to-date in developing an integrated waste strategy for the UK

Dr Juliet Long
RSR Policy Advisor
Environment Agency**15.40 THE USE OF MOBILE SOLIDIFICATION PLANT IN THE DECOMMISSIONING PROCESS**

- To treat wet radioactive wastes, it was concluded that mobile plants offered significant benefits compared with the alternative of constructing fixed installations
- Since commencing active operations in 1991 the Mobile LLW Solidification Plant has successfully performed 36 campaigns on 13 nuclear-licensed sites. A total of nearly 4,000 drums of active waste have been processed during those campaigns

Jim Porter
Director Science and Technology
NSG Environmental Ltd**16.10 DISCUSSION SESSION WITH AFTERNOON SPEAKERS**

This session will give opportunity for open debate on issues raised during the afternoon session

16.25 Chairman's Closing Remarks

16.30 Close of Conference

* subject to final confirmation

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Decommissioning of Nuclear Facilities

Monday 20 – Wednesday 22 November 2006, Millennium Gloucester Hotel London Kensington,
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