In most countries with a history of nuclear power generation and nuclear research, programmes are in hand for the decommissioning of redundant facilities and the remediation of their sites. Substantial experience has been gained but the continuing challenge is to develop more cost-effective approaches whilst maintaining very high standards of safety. This can only be achieved by addressing all aspects of organisation, programme and project management, safety and regulation, as well as the technical approaches to decommissioning. Another important factor is the management of the radioactive waste arising from decommissioning.

With increasing stakeholder involvement in decommissioning programmes and projects, a wider range of issues is having to be considered in setting and implementing decommissioning strategies. Earlier approaches involving long periods of deferral of final dismantling are increasingly being questioned and this has implications for funding provision.

All of these issues will be discussed by an authoritative international panel of speakers at this the 9th IBC International Conference and Exhibition. The presentations will cover international developments in policy, safety and regulatory issues, funding, social issues and examples of decommissioning and remediation projects. Progress in developing waste management routes will also be discussed. The meeting will provide a forum for discussion of all aspects of the management of the nuclear legacy and will provide important networking opportunities for speakers and delegates. Following the successful format of previous meetings in the series, there is an optional third day on Technical Experience in Decommissioning. The presentations will cover examples of projects and supporting activities.

The cover picture shows a core shroud from a PWR. The shroud is highly activated. The blue glow is Cerenkov radiation which occurs when beta particles emitted from the surface of the metal exceed the velocity of light in the water shielding. The effect is analogous to acoustic sonic boom.

**Comments from Attendees at the 8th Decommissioning of Nuclear Facilities Conference & Exhibition**

**Efficient use of time combining networking with updating your decommissioning knowledge**
(FC, R-R NESL)

**A wide range of interesting topics with particular relevance to today’s technical, management and political issues**
(JW, AWE)

**It gave the nuclear industry a clear direction and impetus for moving forward on its decommissioning projects**
(NF, BNFL)

**A well organised conference providing good coverage of national and international decommissioning planning and implementation**
(DW, DTI)

**Mix of actual case studies with theory made for an enjoyable experience**
(CC, Babcock Support Services)
Chairman: **Professor Gregg Butler**
Nuclear Fuel Cycle consultant; Professor of Science in Sustainable Development, **University of Manchester**

**13.45 DECOMMISSIONING FACILITIES AT AWE**
- Decommissioning programmes
- Overview of achievements
- Contract arrangements
- Technologies employed
- Examples of experiences
- Future plans

**Speaker:** **David Stonock**
Manager Decommissioning, **AWE**

**14.15 APPROACH AND STRATEGY FOR DECOMMISSIONING THE GREIFSWALD REACTORS**
- The decommissioning of EWN’s six WWER Russian type reactor sites
- Project management and technical approach
- Waste management – The Interim Storage North (ISN) a central feature
- Other EWN projects – especially on WWERs in Eastern Europe
- Future site reuse

**Speaker:** **Axel Bäcker**
Deputy Project Manager “External Projects”, **Energiewerke Nord GmbH, Germany**

**14.45 DECOMMISSIONING PROJECTS UNDER THE DTI FSU NUCLEAR LEGACY PROGRAMME**
- Assistance with the Top Level Decommissioning Plan for the BN-350 reactor in Kazakhstan
- Additional work in preparation for BN-350 decommissioning
- Nuclear Power Submarine dismantling at Severodvinsk
- Contract preparation
- Project implementation

**Speaker:** **David A Wells**
Principal Consultant, **RWE NUKEM Limited**

**15.15 Tea**

**15.45 DECOMMISSIONING OPERATIONS RUNNING AT THE FRENCH INBS2 ATUE FACILITY**
- Description and history of the CEA ATUE INBS2 (Enriched Uranium Treatment Workshops)

**Speaker:** **Laurent Ladurelle**
INB 52 Decommissioning Project Manager, **CEN Cadarache, France**

**16.15 ASSURANCE MANAGEMENT IN NUCLEAR DECOMMISSIONING**
- What assurance management covers: i.e. safety, environmental, quality and security assessments plus associated documentation
- The role of assurance management in a decommissioning project
- The development of a decommissioning team
- How a strong safety culture is implemented into a decommissioning team
- Experience in decommissioning a research reactor

**Speaker:** **Mike Beecroft**
Principal Consultant, **RM Consultants**
Co-author: **Meenu Gangaher**, Facility Manager, **AWE**

**16.45 REACTOR DECOMMISSIONING STRATEGY**
- A changing style and culture to deliver value
- Planning and implementation
- Learning experiences from overseas

**Speaker:** **Bill Root**
Head of Defuelling and Decommissioning, **British Nuclear Group**

**17.15 PROGRESS ON THE DOUNREAY SITE RESTORATION PROGRAMME (DSRP)**
- What led to the DSRP
- What the DSRP is
- The main components in the DSRP
- Significant waste management projects
- Significant decommissioning projects
- The future and the Nuclear Decommissioning Authority

**Speaker:** **Dr Doug Graham**
Manager, Radwaste Strategy Department, **United Kingdom Atomic Energy Authority**

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  www.britishnucleargroup.com
- **RWE NUKEM**
  www.rwenukem.co.uk

**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
Tuesday 2 November 2004

10.50 THE CHANGING DECOMMISSIONING SCENE IN THE US
- The changing decommissioning market – Commercial vs DOE Facilities
- Final stages of commercial projects
- DOE facility new accelerated closure funding and direction
- DOE Integrated Safety Management
- Waste Disposal Issues – Commercial and Government
- DOE Handbook and Lessons Learned

Speaker: Tom LaGuardia PE
President, TLG Services Inc, USA

11.20 EXPERIENCE FROM THE TRAWSFYNYDD PUBLIC INQUIRY
- Background: decommissioning strategy, UK land use legislation and Public Inquiries and the particular National Park situation of Trawsfynydd nuclear power station
- Lessons learned from the Inquiry: on stakeholder relationships, media relations and public understanding
- Some views expressed at the Trawsfynydd Public Inquiry: by national anti-nuclear groups, Regulators, Local Authorities and local people

Speaker: Paul B Woollam
Decommissioning Manager
British Nuclear Group

12.00 THE ROLE OF EUROPEAN COMMISSION IN DECOMMISSIONING
- The major issue for decommissioning in Europe
- Financing decommissioning in the EU
- Supporting early closures in new Member States
- The future

Speaker: Derek Taylor
Head, nuclear energy, nuclear safety
European Commission, Belgium

12.30 FUNDING AND FINANCE FOR DECOMMISSIONING
- The challenge of ensuring sufficient provision is for very long-term
- UK experience and privatisation
- What is ‘adequate provision’?
- Implications for new nuclear build

Speaker: Malcolm Grimston
Associate Fellow, Royal Institute of International Affairs, Chatham House

13.00 Lunch

Chairman: Alan Martin

14.15 OUR CORPORATE SOCIAL RESPONSIBILITY JOURNEY – DEVELOPING A STRATEGY FOR BNFL
- The environment, the community, the workplace – some would say that these used to be soft issues for any business
- Now, these are hard issues – hard to manage, hard to ignore and hard for businesses that get it wrong
- How Corporate Social Responsibility is helping BNFL to understand and manage our business impacts

Speaker: David Bonser
Executive Director
BNFL ALFA & Sustainable Policy

14.45 DOESN’T THE PUBLIC DESERVE MORE FACTS AND A BETTER DEAL?
- What choices need to be made?
- What needs to be done and when?
- Is policy and regulation up to the task?
- What can be done to get better value for money for UK cleanup?

Speaker: Professor Gregg Butler

15.15 Discussion

15.30 Tea

16.00 A NEW APPROACH TO DECIDING ON RADIOACTIVE WASTE MANAGEMENT IN THE UK
- CoRWM’s remit and process
- Defining waste for the long-term
- Short-listing and evaluating options
- Role of engagement with public and stakeholders
- Relationship to NDA

Speaker: Gordon MacKerron
Chair
Committee on Radioactive Waste Management
UK and Associate Director,
NERA Economic Consulting, London

16.30 THE ROLE OF NIREX
- Update on Nirex, its mission and role
- Issues specific to decommissioning wastes
- Packaging requirements and the Letter of Comfort System
- International Collaboration

Speaker: Ann McCall
Head of Safety
UK Nirex Ltd

17.00 Discussion

17.15 Close of Main Conference

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AN OVERVIEW OF REACTOR DECOMMISSIONING PLANNING

- The need for decommissioning plans
- Experience and approach
- Management of cost, schedule and risk

Speaker: a representative from British Nuclear Group

PLANNING FOR REACTOR DECOMMISSIONING IN SLOVAKIA

- Decommissioning strategy
- Analysis of options for reactors on Bohunice site
- Preferred options
- Implications for waste management

Speaker: Kristína Kristofová
Decommissioning Consultant
DECOM Slovakia

WINDSCALE PILE 1 DECOMMISSIONING – A NEW APPROACH

- Early Successes
- Technical Problems
- The New Approach
- Breakthrough R&D
- Design Progress
- The Next Steps

Speaker: Tony Milburn
Windscale Piles Decommissioning Project Manager
UKAEA Windscale

TRIPLE BOTTOM LINE DECOMMISSIONING IN THE NUCLEAR INDUSTRY

- Integrating corporate social responsibility into nuclear decommissioning
- Delivering real value to all stakeholders within nuclear decommissioning
- Realising financial, social and environmental benefits from sustainable nuclear decommissioning

Speaker: Martin Petersen
Project Manager
Golder Associates (UK) Ltd

Co-author: Karen Clarke-Whistler
Team Leader Corporate Services
Golder Associates Europe Ltd

DECOMMISSIONING EXPERIENCE – A NEW TRIPLE BOTTOM LINE DECOMMISSIONING IN THE NUCLEAR INDUSTRY

- Preferred options
- Analysis of options for reactors on Bohunice site
- Development of process for Stage 3 decommissioning

Speaker: Michael Grave
Decommissioning & Waste Management Manager
Mitsui Babcock Energy Ltd

Co-authors: Peter McNaughton, MBEL Harwell Projects Manager, Mitsui Babcock Energy Ltd and John Buffery, Gleep Project Manager, UKAEA

Status of project and waste management

Supervision of licensee’s activities

Criteria for residual activity

The roles of regulators, licensees and independent experts in decommissioning

Outline of Facility

The need for decommissioning plans

Decommissioning strategy

Project Overview

Lessons Learned

Technology Applied

Management of cost, schedule and risk

Project Overview

Preferred options

Decommissioning strategy

Lessons Learned

Technology Applied

Future programme outlining major contract opportunities

Active Waste Retrieval Programme Manager

AWE plc

DISMANTLING OF A NUCLEAR FUEL FABRICATION PLANT – RELEASE OF BUILDING RUBBLE AND SITE

Speaker: Karl-Heinz Lehmann
Head of Department Environmental Radioactivity
TUV SUD Group, Germany

Co-authors: Elisabeth T. Aberi
TUV SUD Group, Germany
John McKinney, TUV NEL Ltd, UK

 KAERI’S APPROACH FOR DECOMMISSIONING OF RESEARCH NUCLEAR FACILITIES

Status of the projects for decommissioning of nuclear research facilities.
Future of the decommissioning works in Korea, including industrial nuclear facilities
KAERI’s approach for completion of on-going projects and preparation of future projects
- project management
- dismantling device
- waste management

Speaker: Dr Jin Ho Park
Director of Decommissioning Technology Division
Korea Atomic Energy Research Institute (KAERI)

DECOMMISSIONING THE PULSED COLUMN LABORATORY: PREPARATION AND PRACTICAL EXPERIENCE

Speaker: David Manson
Project Manager
UKAEA and RWE NUKEM

WORKPLACE TRIALS TO DETERMINE THE PROTECTION FACTOR OF A PRESSURISED SUIT IN A Workplace Trials to Determine the Protection Factor of a Pressurised Suit in a Research Nuclear Facilities

Speaker: Richard Wilkins
RPA/Health Physics Manager
AWE plc

MANAGEMENT OF SOLID HIGH ABG INTERMEDIATE LEVEL WASTE AT UKAEA’S HARWELL SITE

Brief history
Progress to date
Future challenges
Future programme outlining major contract opportunities

Speaker: Roy Manning
Active Waste Retrieval Programme Manager
UKAEA
Decommissioning of Nuclear Facilities
1–3 November 2004
The London Marriott Hotel, Grosvenor Square, London W1K 6JP
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