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2nd Annual

Decontamination & Dismantling of Nuclear Facilities Seminar

Comprehensive coverage of
technical processes from shut
down to end state

Monday 15 – Tuesday 16 October 2012
Bonhill House, London, UK



Gain in-depth knowledge on:

- ✓ Applying **policy** to decommissioning nuclear licensed facilities in the UK
- ✓ **Planning processes** for future decontamination and dismantling activity
- ✓ Removal of **residual radioactive material** including spent fuel
- ✓ Current and emerging **decontamination technologies** such as scarifying and **abrasive blasting**
- ✓ **Cutting techniques** used to dismantle the installation including concrete and metal structures
- ✓ **Dismantling** of systems, structures and components
- ✓ **Contaminated ground remediation** and removal of resulting waste
- ✓ Releasing materials from regulatory control and other **delicensing examples**

Expert decontamination & dismantling lecturers include:

- **Steve Beckett**
Project Director Fuel Cycle Area
Dounreay Site Restoration Limited
- **Charles Temple**
HM Superintending Inspector
Office for Nuclear Regulation
- **Paul Atyeo**
Harwell Decommissioning Manager
RSRL Harwell
- **Lorimer Fellingham**
Manager, Waste & Environment
Nuvia Limited
- **Jim Cochrane**
Principal Policy Officer
Scottish Environment Protection Agency
- **Keith Miller**
Decommissioning Manager
Nuvia Limited
- **Dave Dougan**
Managing Director
BD Nuclear

Join us online



"IBC Nuclear"



@IBCEnergyEvents



EnergyEventTV



A two day comprehensive technical seminar designed to take you through the processes of decontamination and dismantling of structures and components. As well as a beneficial introduction for those new to the industry, the course also serves as a refresher course for established nuclear industry professionals in need of an update.

Themes being covered by the seminar include:

- Understanding the initial processes ready for shut down
- Initial de-planting: health and safety issues and removal of radioactive materials
- Decontamination techniques and technologies
- Dismantling and demolition strategies

Featuring:



Quickfire exchange: Your chance to get to know fellow delegates better



Spotlight session on cutting technologies: Learn about cutting methodologies, challenges and solutions and new technological developments

Hear what attendees of 2012 IBC Nuclear Seminars have to say so far....

“Informative with good speakers”

(A Giedraitis, Project Manager,
Central Project Management Agency)

“Balanced with a wide
European attendance”

(J Johnstone, Project Coordinator,
Babcock Marine)

IBC Nuclear Events Promotional Opportunities

There are a number of sponsorship opportunities associated with IBC Energy's Nuclear Events giving your organisation the chance to demonstrate your expertise, products and services in line with the training course objectives.

For further information or to discuss individual requirements, please contact **Lauren Wilcox** on **+44 (0)20 7017 7674** or e-mail **lauren.wilcox@informa.com**

DAY ONE – Monday 15 October 2012

08.30 Registration and coffee

09.00



Chairman's welcome and quick fire exchange

Take this opportunity to introduce yourself and learn about your peers. The course objectives will be outlined at the end of this session

Understanding the initial processes ready for shut down

09.10

Planning process for decontamination and dismantling

- Selecting a strategy for decommissioning
- Immediate dismantling vs deferred dismantling
- Factors to consider including site reuse and availability of equipment
- Socio-economic considerations

Lorimer Fellingham, *Manager Site Remediation Services, Nuvia Limited*

CASE STUDY

10.00

Revocation of RSA 93 Authorisations in Scotland

- The view of the environmental regulator on site decommissioning
- Scottish policy on nuclear site decommissioning
- SEPA's policy on revoking RSA 93 authorisations
- Requirements to meet SEPA's policy
- The role of dose and risk in meeting minimum thresholds
- Case study – regulation of the decommissioning work at Dounreay

Jim Cochrane, *Principal Policy Officer, Scottish Environment Protection Agency (SEPA)*

10.40

Discussion session with course leaders on planning processes

Your chance to ask questions and discuss specific issues raised during the sessions



10.50

Morning tea

Initial de-planting: radioactivity, health & safety and removal of radioactive materials

11.20

Radiological Protection considerations

- Putting to place radiation protection procedures
- Measuring the level of radioactivity
- Radiological hazards to the workforce
- Health and safety issues including ventilation, contamination

Charles Temple, *HM Superintending Inspector, Office for Nuclear Regulation*

12.05

Removal of residual radioactive material in facilities

- Spent fuels
- Liquids
- Iron
- Processing materials

12.50 **Discussion session on radiological protection and removal of materials**
Your chance to ask questions and discuss specific issues raised during the sessions



13.00 Lunch

Decontamination technologies and techniques

14.00 **Approaches to decontaminating technologies**

- General considerations
- Examining different types of decontamination
- Basic techniques including scarifying and abrasive blasting
- Selecting appropriate methods for decontamination

Keith Miller, Decommissioning Manager, Nuvia Limited

14.40 **Emerging decontamination technologies**

- Monitoring clearance levels
- Management of hazardous waste components
- Clearance and disposal of radioactive waste

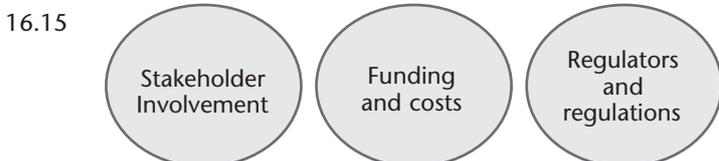
Keith Miller, Decommissioning Manager, Nuvia Limited

15.30 **Discussion session with course leaders on decontamination**
Your chance to ask questions and discuss specific issues raised during the sessions



15.45 Afternoon tea

Focus Groups



Delegates will have the opportunity to join one table of interest to them to discuss the challenges and solutions involved in that particular aspect of decontamination and dismantling of nuclear facilities. At the end of the session, each table will report back to the room and share their ideas on their findings.

17.00 Chairman's closing remarks and end of day 1

DAY TWO – Tuesday 16 October 2012

09.00 Morning coffee

09.30 Chairman's opening remarks

Dismantling and cutting methods

09.40 **Strategies and techniques for dismantling nuclear facilities**

- General strategies for dismantling
- Dismantling systems, structures and components
- Shipping materials to waste disposal site
- Storing waste materials

Steve Beckitt, Project Director Fuel Cycle Area, Dounreay Restoration Sites Ltd

CASE STUDY

10.40 **Learning from dismantling examples**
This case study will examine a specific project and the decontamination methods and dismantling techniques used. Learn from the challenges encountered and the solutions used to mitigate the risks.
Steve Beckitt, Project Director Fuel Cycle Area, Dounreay Restoration Sites Ltd

11.00 Morning tea

11.30 **Cutting methodologies to reduce volume**

- Exploring different cutting techniques including diamond wire cutting
- Applying cutting to different material
- Learning from practical examples
- Video examples

Dave Dougan, Managing Director, BD Nuclear



12.15 **Discussion session with course leaders on dismantling and cutting methodologies**
Your chance to ask questions and discuss specific issues raised during the sessions



12.30 Lunch

Demolition, final site clearance and recycling

13.30 **Demolition of nuclear facilities**

- Demolition as part of the decommissioning plan
- Examples of nuclear facility demolition
- Exploring cost build-ups
- Lessons learned and waste management options

Paul Atyeo, Harwell Decommissioning Project Manager, Research Sites Restoration Ltd

14.15 Afternoon tea

14.45 **Radioactive land remediation and final site clearance**

- Alternative options of LLW disposal
- A case study of a large scale radioactive land remediation project
- Waste management options in relation to radioactive land remediation
- An overview of UK and international nuclear site final clearance and delicensing, with examples
- Final site survey

Paul Atyeo, Harwell Decommissioning Project Manager, Research Sites Restoration Ltd

15.45 **Monitoring waste recycling techniques**

- Examine current recycling methods
- Challenges in current recycling management
- New recycling techniques

16.20 **Discussion session with course leaders on demolition, final site clearance and waste recycling**
Your chance to ask questions and discuss specific issues raised during the sessions



16.30 Wrap-up and close of seminar

Just some of the other IBC Nuclear Events taking place in 2012 include....

Radiological Protection Summer School
16 – 20 July 2012, Cambridge, UK

Decommissioning of Nuclear Facilities Conference
17 – 18 September 2012, London, UK

NORM & Natural Radiation Management Conference
27 – 28 November 2012, London, UK

EN/NI/HH/LW/MR/TR

Event Code
FKA2295

Learn how to apply the latest emerging decontamination technologies to your operations

4 EASY WAYS TO REGISTER

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Fax: +44 (0)20 7017 4745
Email: energycustserv@informa.com
Web: www.ibcenergy.com/nucleardismantling

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VENUE DETAILS

Bonhill House
1-3 Bonhill Street,
The City
EC2A 4BX

Tel: +44 (0) 20 7588 2334
Email: bonhill@etcvenues.co.uk
Web: www.etcvenues.co.uk/venues/bonhill-house

ACCOMMODATION DETAILS

Reduced Rate Hotel Accommodation: the cost of the accommodation is NOT included in the event fee. To book accommodation, at a reduced rate, near the venue, please visit the following link: <http://www.HotelMap.com/M554J>

SPECIAL REQUIREMENTS

Please list below any special requirements you may have

STEP 1: SELECT YOUR PACKAGE (please tick option)

| | DATES | REGISTER BY 27 July 2012 | REGISTER BY 14 September 2012 | REGISTER AFTER 14 September 2012 |
|--|---------------------------|---|---|---|
| FKA2295 Decontamination & Dismantling of Nuclear Facilities | 15-16 October 2012 | <input type="checkbox"/> £1299 (+20%VAT) = £1558.80 SAVE £200 | <input type="checkbox"/> £1399 (+20%VAT) = £1678.80 SAVE £100 | <input type="checkbox"/> £1499 (+20%VAT) = £1798.80 |

The VAT rate may differ from the advertised rate. The amount you are charged will be determined when your invoice is raised. All discounts can only be claimed at the time of registration and seminar fee discounts cannot be combined with other discounts that may be available (apart from early registration discounts which are available to everyone). Further discounts are subject to approval. Please note the seminar fee does not include travel or hotel accommodation. We are happy to accept a replacement delegate for the whole event, however, delegate passes cannot be split or shared between delegates under any circumstances.

£200 discount available for 3rd and subsequent delegates from the same company

I am unable to attend but please reserve me _____ set(s) of the conference documentation @ £399

STEP 2: DELEGATE DETAILS

| | |
|---|---|
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| <p>2nd Delegate Mr/Mrs/Ms</p> <p>Job title/Dept _____</p> <p>Company _____</p> <p>Address _____</p> <p>Telephone _____</p> <p>Fax _____</p> <p>Email _____</p> <p>Yes! I would like to receive information about upcoming events by email. By giving you my email address I am giving ONLY Informa companies the permission to contact me by email</p> | <p>Line Manager Mr/Mrs/Ms</p> <p>Job title/Dept _____</p> <p>Telephone _____</p> <p>Fax _____</p> <p>Email _____</p> <p>Booking Contact Mr/Mrs/Ms</p> <p>Job title/Dept _____</p> <p>Telephone _____</p> <p>Fax _____</p> <p>Email _____</p> |

£200 Discount

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