

SESSIONS

2020 AGENDA DAY ONE - 01/09/
2020

31st Annual Decommissioning & Radioactive Waste Management
Summer School

1 - 4 September 2020

Virtual Summer School

Delivered Live Online (BST time) & On-Demand Afterwards

Getting ready: Registration & Welcome

09:15 - 09:30

Chairman's Welcome and 'Round the Room' Introductions

09:30 - 09:45

Take this opportunity to introduce yourself to fellow delegates who you will be spending the week with.

Participants

Derek Taylor - Professor in Geo-Energy, University of Nottingham

Nuclear Energy and Radioactive Waste Management in the European Union

09:45 - 10:30

- The EU energy policy: why nuclear?
- The role of nuclear energy in Europe
- The EURATOM Treaty
- Quantities of waste in the EU
- EU legislation on waste
- Results of EB surveys on public opinion on the EU

Participants

Derek Taylor - Professor in Geo-Energy, University of Nottingham

Overview of Decommissioning in Europe

10:30 - 11:00

- The future of decommissioning activities
- Recent developments

Participants

Derek Taylor - Professor in Geo-Energy, University of Nottingham

The NDA's Strategy for Decommissioning and Clean-Up of the UK's Civil Public Sector Nuclear Sites

11:00 - 11:40

- Understanding the role of the NDA
- Exploring NDA Strategy 2016-2021
- Future challenges

Participants

Ian Lowles - Strategy Implementation Manager (Sellafield), Nuclear Decommissioning Authority

An introduction into Fusion Power – what waste is generated and what will come from decommissioning?

14:00 - 15:00

- Overview of fusion power
- Waste generated and features
- Strategy developed in UK for JET waste
- Strategy developed in France for ITER waste coming from operational and decommissioning phases (amounts, treatments, routes,...)
- Next steps : presentation of TBM program

Participants

Christelle Decanis - Decommissioning Waste Management Group Leader, CEA French Alternative Energies and Atomic Energy Commission

Storage of radioactive waste and spent fuel: a UK and international perspective

15:30 - 16:15

Participants

Stephen Wickham - Principal Consultant, Galson Sciences

Q&A for more questions and pre-recorded sessions Day 1

16:15 - 17:15

Geological Disposal of Radioactive Wastes

On demand

- Understanding the objectives of deep geological disposal of long-lived waste
- Identifying alternative repository systems for different waste types
- Outlining the key issues in safety demonstration
- Exploring the future international scene

Participants

Tim McEwen - Geological Consultant, McEwen Consulting

SCHEDULE

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09:00	09:15 - Getting ready: Registration & Welcome 09:30 - Chairman's Welcome and 'Round the Room' Introductions 09:45 - Nuclear Energy and Radioactive Waste Management in the European Union
10:00	10:30 - Overview of Decommissioning in Europe
11:00	11:00 - The NDA's Strategy for Decommissioning and Clean-Up of the UK's Civil Public Sector Nuclear Sites
12:00	
13:00	
14:00	14:00 - An introduction into Fusion Power – what waste is generated and what will come from decommissioning?
15:00	15:30 - Storage of radioactive waste and spent fuel: a UK and international perspective
16:00	16:15 - Q&A for more questions and pre-recorded sessions Day 1
17:00	On demand - Geological Disposal of Radioactive Wastes

SESSIONS

2020 AGENDA DAY TWO - 02/09/
2020

31st Annual Decommissioning & Radioactive Waste Management
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Registration & Welcome

09:15 - 09:30

Regulation of Decommissioning and Radioactive Waste Management at Nuclear Sites in the UK

09:30 - 10:15

The UK's nuclear sites

UK nuclear legislation & the nuclear regulatory bodies

Safety and environmental regulation of nuclear sites in the UK:

1. Radioactive Waste Management
2. Disposal of radioactive waste
3. Land quality management
4. Decommissioning

Case studies: decommissioning of low and high hazard installations

Participants

Simon Morgan - ONR Inspector - Nuclear Safety, Office for Nuclear Regulation

Decontamination Processes and Techniques

On demand

- Identifying decontamination processes
- Practical application of decontamination procedures
- Developing decommissioning techniques

Participants

Nick Brown - Senior Project Manager and Principal Consultant, Nuvia Ltd

Break

10:55 - 11:15

Examining Nuclear Costs and Financing for Decommissioning

12:00 - 12:50

- Type of decommissioning costs
- Analysing the challenges of long-term provision of funding
- Evaluating the importance of estimating costs
- Identifying the future of finance for decommissioning projects

Participants

Martyn Jenkins - Managing Director, Enkom Consulting

Decommissioning Nuclear Power Plants

14:10 - 14:50

- An overview of the major activities of decommissioning projects
- Techniques and processes for dismantling reactors
- Future outlook for decommissioning

Participants

Niklas Bergh - Business Development Manager, Westinghouse Electric Company

Dismantling Techniques and Methods

On demand

- Dismantling techniques
- Cutting methodologies
- Project references and lessons learned
- Conclusions

Participants

Nick Brown - Senior Project Manager and Principal Consultant, Nuvia Ltd

Decommissioning Workshop

15:00 - 16:00

Work in groups to tackle key issues presented by a decommissioning problem. Delegates will have to take into account costs, technical processes and site obstacles. At the end of the session, delegates will be asked to feedback to the group on their thoughts.

Participants

Lorimer Fellingham - ., .

Q&A for more questions and pre-recorded sessions Day 2

16:15 - 16:35

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2020 AGENDA DAY TWO - 02/09/
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TIME	
09:00	09:15 - Registration & Welcome 09:30 - Regulation of Decommissioning and Radioactive Waste Management at Nuclear Sites in the UK
10:00	On demand - Decontamination Processes and Techniques 10:55 - Break
11:00	
12:00	12:00 - Examining Nuclear Costs and Financing for Decommissioning
13:00	
14:00	14:10 - Decommissioning Nuclear Power Plants On demand - Dismantling Techniques and Methods
15:00	15:00 - Decommissioning Workshop
16:00	16:15 - Q&A for more questions and pre-recorded sessions Day 2

SESSIONS

2020 AGENDA DAY THREE - 03/
09/2020

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Registration & Welcome

09:15 - 09:30

EDF Energy's outlook on decommissioning and waste projects

On demand

Participants

Jennifer Ash - Radioactive Waste Advisor, EDF Energy

An Update from Germany: Status and Developments in Decommissioning

On demand

- Analysing the current nuclear situation in Germany
- Lessons learned from past and present decommissioning projects in Germany
- Examining the current challenges and future opportunities

Participants

Przemyslaw Imielski - Senior Expert and Radiological Protection Officer, Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) GmbH

Requirements and guidance on releasing nuclear sites from radioactive substances regulation

On demand

- Key elements of the guidance
- Approaches to respond to the guidance at decommissioning sites
- Case studies of its application at decommissioning sites

Participants

Roger Wilmot - Principal Consultant, Galson Sciences Ltd

Case Study: Winfrith End State development

On demand

Participants

Susan Holdroyd - Lead - Winfrith, Magnox Sites

Problematic Waste – It's not all too difficult

14:40 - 15:25

Participants

Christine Bruce - Assistant Head (Nuclear Liabilities), MOD Submarine Delivery Agency

Understanding the Management of Low Level (LLW) and Intermediate Level (ILW) Waste

On demand

- Exploring LLW and ILW
- Evaluating the developments in managing LLW and ILW
- Assessing the disposal opportunities

Participants

Ian Wigginton - Head Of Delivery, Nuvia Consulting

Q&A for more questions and pre-recorded sessions Day 3

16:10 - 16:30

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09:00	09:15 - Registration & Welcome On demand - EDF Energy's outlook on decommissioning and waste projects
10:00	On demand - An Update from Germany: Status and Developments in Decommissioning
11:00	On demand - Requirements and guidance on releasing nuclear sites from radioactive substances regulation
12:00	On demand - Case Study: Winfrith End State development
13:00	
14:00	14:40 - Problematic Waste – It's not all too difficult
15:00	On demand - Understanding the Management of Low Level (LLW) and Intermediate Level (ILW) Waste
16:00	16:10 - Q&A for more questions and pre-recorded sessions Day 3

SESSIONS

2020 AGENDA DAY FOUR - 04/
09/2020

31st Annual Decommissioning & Radioactive Waste Management
Summer School

1 - 4 September 2020
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Registration & Welcome

09:15 - 09:30

Defining Characterisation

09:30 - 10:15

- Assessing the importance of the characterisation process
- Developing best practice remediation guidance
- Approaching recycling and disposal

Participants

Richard Hunter - Characterisation and Compliance Manager, LLW Repository Ltd

WORKSHOP: Characterisation of Waste

10:15 - 11:20

You will be asked to assess information provided on potential sampling and analysis scenarios in order to make recommendations as to the best options available. The scenarios, although fictional are heavily based on real life problems that have been presented to LLWR. The information shall provide outlines of processes undertaken within the facilities, maintenance regimes, provenance available etc

Participants

Richard Hunter - Characterisation and Compliance Manager, LLW Repository Ltd

Radioactive Land Remediation and Final Site Clearance

11:40 - 12:20

- 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
- Site End States for nuclear sites

Participants

Lorimer Fellingham - ., .

Practical Exercise: Remediation of Radioactive Land

14:00 - 15:00

Delegates will be split into groups to develop a plan for remediation of radioactive land taking into consideration issues including regulations, funding and technical processes.

Participants

Lorimer Fellingham - ., .

Radioactive Waste Management and Decommissioning in Finland

15:00 - 16:00

- Understanding the general framework
- Current waste management activities
- Repository development in Finland

Participants

Ville Koskinen - Senior Inspector, Radiation and Nuclear Safety Authority Finland

Packaging Higher Activity Waste for Geological Disposal

16:00 - 16:45

- Geological disposal and status of the UK programme
- Waste package specifications for Higher Activity Waste
- Disposability Assessment process for waste packaging
- Managing innovation in waste packaging

Participants

Martin Dutton - Waste Management Specialist, Radioactive Waste Management, NDA

SCHEDULE

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10:00	10:15 - WORKSHOP: Characterisation of Waste
11:00	11:40 - Radioactive Land Remediation and Final Site Clearance
12:00	
13:00	
14:00	14:00 - Practical Exercise: Remediation of Radioactive Land
15:00	15:00 - Radioactive Waste Management and Decommissioning in Finland
16:00	16:00 - Packaging Higher Activity Waste for Geological Disposal