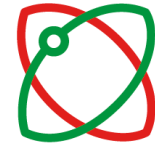


مؤسسة الإمارات للطاقة النووية
Emirates Nuclear Energy Corporation



شركة براكه الأولى ش.م.خ
Barakah One Company PJSC



شركة نواة للطاقة
Nawah Energy Company



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XXIII NUCLEAR INTER JURA CONGRESS

4-8 November 2018
Abu Dhabi / United Arab Emirates

MANAGEMENT OF NUCLEAR TRANSPORT

Perspective of a UK nuclear site operator

*Tracy Murray, Senior Solicitor
Sellafield Limited
November 2018*

MANAGEMENT OF NUCLEAR TRANSPORT

Agenda

- Background – Sellafield Ltd transport activities
- UK legal regime for nuclear material transports
- Scenario 1 – Low Level and Very Low Level Waste transports
- Scenario 2 – High Level Waste returns
- How Sellafield Ltd meets its legal obligations for nuclear transports

MANAGEMENT OF NUCLEAR TRANSPORT

Background – Sellafield Ltd transport activities

- Routine and regular consignments – road, rail and ship using secure vehicles
- UK and international transports
- More than 1000 radioactive substances consignments offsite per year



MANAGEMENT OF NUCLEAR TRANSPORT

UK legal regime for nuclear material transports

Nuclear Liability	Carriage of Dangerous Goods	Waste Duty of Care
Nuclear Installations Act 1965	Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009	Environmental Protection Act 1990 Waste (England & Wales) Regulations 2011
Civil compensation scheme	Health and Safety law Criminal liability	Environmental protection law Criminal liability
Nuclear Matter / Excepted Matter	Class 7 Goods (Radioactive)	Radioactive Waste / Radioactive Substances.

MANAGEMENT OF NUCLEAR TRANSPORT

UK legal regime for nuclear material transports – continued...

- Ionising Radiations Regulations / Health & Safety
- Transfrontier Shipment of Waste
- Export / Import Licensing
- UK Planning Regime



MANAGEMENT OF NUCLEAR TRANSPORT

Scenario 1 – LLW and VLLW UK transports

- Very Low Level Waste (VLLW) sent from Sellafield site to recycling facility / landfill / incineration
- Low Level Waste (LLW) sent to the UK's Low Level Waste Repository
- Amendments to the Paris Convention – impact on 'disposal sites'



MANAGEMENT OF NUCLEAR TRANSPORT

Scenario 2 – HLW returns international shipments

- High Level Waste (HLW) sent back to the country of origin
- Multi-modal transports – rail / road / ship
- Co-operation between all in the transport chain
- Additional insurance requirements – Certificate of Financial Security



MANAGEMENT OF NUCLEAR TRANSPORT

How Sellafield Ltd meets its legal obligations for nuclear transports

- Licence Condition 5 – nuclear site licence obligations
- ‘5P’ Gated Process and the Sellafield Ltd Office of the Consigning Authority
- Nuclear Liability Table as record of agreements between parties and insurance arrangements
- Co-operation and transparency between all engaged parties



QUESTIONS / DISCUSSION

