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SAMM

Back End Transport Committee

Co-CHAIR: Alan Moses and Marc Flynn

SECRETARIAT: Kuniharu Kinoshita

Date: 28th November 2025

Location: London

SUMMARY MEETING REPORT

MEETING TITLE: Back End Transport Committee
LOCATION: London
DATE: 28th November 2025
REPORT BY: Kuniharu Kinoshita

Participants / Attendees:

- Approximately 60 participants. Please find a complete list of participants at end of this report.

Purpose / Objectives of Meeting

The meeting reviewed ongoing work, following the merging of Spent Fuel Management Working Group (SFMWG) and Waste Decommissioning and Disposal Working Group (WDDWG).

The following were presented for information and discussion:

- WNTI Work scope review 2024/2025.
- WNTI Work scope development for 2026: Discussion of Task Groups and priorities.

Key Takeaways / Points

- Alan Moses announced his retirement; Steven Starkie (Sellafield) is expected to assume the co - Chair of the committee role.
- Mark McSherry (Sellafield) delivered a presentation “Railway Operations - The Sustainability Journey of Sellafield's Locomotives”
- Discussion of Task Groups and prioritization of topics.
- Agreement to re-align the WDDWG & SFWG Working Group and re-launch under new name to reflect the combined scope: “**Spent Fuel and Waste Transport Committee.**”

Summary of Meeting

1. Leadership and Structural Changes

- Alan Moses confirmed his retirement; Steven Starkie from Sellafield will take over as Co-Chair working alongside Co-Chair Marc Flynn.
- Structural change: Spent Fuel Management WG and Back End Transport WG merged, with task forces established to address priority topics.
- Previous minutes for SFMWG and WDDWG were approved.
- Draft Terms of Reference (ToR) require review by Committee members.

2. Strategic Workstreams and Priority Topics

The Chairs provided an overview of SFMWG and WDDWG outcomes for 2024–2025, referencing the strategic workstreams presented at the 2025 Waste Management Symposium (WMS), including:

- Strategic workstreams to support safe transport of waste and SNF to a national geological disposal facility.
- Strategic workstreams to support logistics elements of Decommissioning & Waste Disposal

It was noted that themes are common across both groups, supporting the decision to merge the two working groups.

The Committee then discussed emerging issues and used SLIDO to collect input from members on both SFM and WDD sides. Participants voted to determine priority topics. For a complete list of all issues raised and detailed voting results, please refer to Appendix-1.

The top three for each side were:

Spent Fuel Management (SFM) – Top 3 ^{*1}

- Transport of spent fuel across international boundaries to internationally managed storage and repositories - 52%
- Assume Long-Term storage before transport of SNF as well as L&ILW for disposal. What will regulators require prior to transport? - 37%
- What are the differences between national supply chains and the UK model? Do gaps need to be considered - 30% (Manufacturing supply chain sustainability also received 30%)

Waste Decommissioning and Disposal (WDD)– Top 3 ^{*1}

- SSR-6 was designed for new and spent fuel, not for high volume, low hazard, contaminated, decommissioning waste. What changes are required? - 65%
- Different national waste characterisation / acceptance - 35%
- Harmonisation of regulation for transporting activated material/components across international borders - 35%

^{*1} These priority topics represent a provisional list.

The Chairs explained the plan to integrate these priority topics into combined task groups and to identify task leads.

3. Presentation: Sellafield Locomotive Project

Mark McSherry from Sellafield delivered a presentation “Railway Operations - The Sustainability Journey of Sellafield's Locomotives”

- **Transition to electric locomotives:** Shift from diesel to electric/hybrid units.
- **Environmental impact:** Up to 54% CO₂ reduction and significant fuel savings.
- **Circular economy:** Older locomotives donated to heritage railways instead of scrapping, supporting sustainability and waste reduction.

4. Committee Name

A poll was conducted to select a new name for the merged committee. The most voted option:

- Spent fuel and waste transport committee - 54%

Follow Up Action Items	Owner
[1] Send draft ToR to all WNTI members - by 01.01.2026	WNTI Secretariat
[2] Review draft ToR - by 01.04.2026	Members
[3] Integrate task groups and confirm task leaders - by 01.04.2026	Chairs and WNTI Secretariat

Complete List of Issues and Voting Results from members via SLIDO

1. Are there any other emerging issues we should consider?

(Spent Fuel Management)

- Assume LT storage before transport of SNF as well as L&I&W for disposal. What will regulators require prior to transport?
- Transport of spent fuel across international boundaries to internationally managed storage and repositories
- Is WNTI involved or informed about experiments regarding ageing of cladding in fuel elements?
- Please remember to consider other countries not just UK and Sellafield. There will be different approaches.
- What are the differences between national supply chains and the UK model? Do gaps need to be considered
- Integrated MOX logistics (fresh / spent)
- There is not only UK, what can be said in other countries regarding Spent Fuel Management?
- Long term storage before transport for SNF as well as L&I&W- what are requirements for transport?
- What plans are there for back end transport of SMRs?
- What containers required for transport of spent fuel to a gdf after conditioning ?
- Transport of SMR/AMR spent fuel
- Try to broaden focus to include work by Canadian NWMO and work being done in other countries.
- What is set in the collaboration with EPRI?
- Taking spent fuel back from customers to country of origin
- Manufacturing supply chain sustainability
- No

2. Task Group (Spent Fuel Management) 27 votes

- Transport of spent fuel across international boundaries to internationally managed storage and repositories - 52%
- Assume LT storage before transport of SNF as well as L&I&W for disposal. What will regulators require prior to transport? - 37%
- What are the differences between national supply chains and the UK model? Do gaps need to be considered - 30%
- Manufacturing supply chain sustainability - 30%
- What containers required for transport of spent fuel to a gdf after conditioning ? - 19%

- Integrated MOX logistics (fresh / spent) - 15%
 - Is WNTI involved or informed about experiments regarding ageing of cladding in fuel elements? - 7%
3. Are there any other emerging issues we should consider?
(Waste Decommissioning & Disposal)
- Harmonise national waste classifications
 - Agree with the comment about the limitations of SSR-6
 - What is good practice in decommissioning and disposal of redundant spent fuel flasks?
 - Different national waste characterisation / acceptance
 - Harmonisation of regulation for transporting activated material/components across international borders
 - Waste characterisation for transport
 - SSR-6 was designed for new and spent fuel, not for high volume, low hazard, contaminated, decommissioning waste. What changes are required?
 - Packaging manufacturer supply chain resilience
 - Impact of waste minimization and processing on transport ?
 - I second GPG on activity assessments
 - Package supply chain capability/sustainability
 - What about a GPG in how to characterize legacy waste by WNTI?
4. Task Group? (Waste Decommissioning & Disposal) 26 votes
- SR-6 was designed for new and spent fuel, not for high volume, low hazard, contaminated, decommissioning waste. What changes are required? - 65%
 - Different national waste characterisation / acceptance - 35%
 - Harmonisation of regulation for transporting activated material/components across international borders - 35%
 - Harmonise national waste classifications - 31%
 - What is good practice in decommissioning and disposal of redundant spent fuel flasks? - 27%
 - Packaging manufacturer supply chain resilience - 23%
 - I second GPG on activity assessments - 19%
 - Agree with the comment about the limitations of SSR-6 - 8%
 - Impact of waste minimization and processing on transport ? - 8%

5. What should we call the committee?

Do you have any suggestions or preferences for the new name?

- Legacy Transport Committee
- Wasted
- Nuclear fuel internment
- Spent fuel and waste transport committee
- Nuclear legacy activity committee NLA
- Spent Fuel Management, Waste Management, and Decommissioning Transport Committee - sfmwmatdc
- End of Life working group?

6. Name of committee? 26 votes

- Spent fuel and waste transport committee - 54%
- Legacy Transport Committee - 15%
- Spent Fuel Management, Waste Management, and Decommissioning Transport Committee – sfmwmatdc - 12%
- Nuclear legacy activity committee NLA - 8%
- End of Life working group? - 8%
- Wasted - 4%
- Nuclear fuel internment - 0%

List of Participants

First Name	Surname	Company
Alastair	BROWN	Aitken Consulting
Gustavo	GONZALEZ	ALARA Logistics
Mihails	GINZBURG	Allintlog Ltd
David	DAVENPORT-JONES	American Bureau of Shipping
Frederic	JANCI	Assuratome
Eugene	SHWAGERAUS	Cambridge Atomworks
Andrew	STEER	Cambridge Atomworks
Monique	GINOUX	CMA CGM
Ines	DESMET	CMA CGM
Scott	EDWARDS	Core Power
Thierry	MIQUEL	EDF
Franck	BOUBLI	EDF
Jerome	TUMMERS	EDF
Mark	FLYNN	Energy Solutions
Franz	KATTNER	GNS
Steven	DE SMEDT	GSG CORPORATE LTD.
Hailin	ZHOU	Natong CIMC Energy Equipment Co. Ltd
Phil	EDGE	NDA
Hannah	WYNNE	NDA
Giulio	GENNARO	newcleo
Khalil	BUKHARI	Newcleo
HirotaKa	NOJIMA	NFT
Greg	RAMSDALE	Nordion UK
Beverley	STOTHART	NTS
John	SEDWARDS	Nuclear Restoration Services
Steven	CRANE	Orano
Jessica	BOUTTEAU	Orano
Florian	DARRAS	Orano
Cecile	BERGERET	Orano CE
Olivier	PLESSY	Orano CE
Loic	MEAUZE	Orano DS
Benjamin	KERR	Orano NPS
Thibaut	KNOCKAERT	Orano NPS
Jay	THOMAS	Orano TN Americas
Francois Cyrille	HUGON	Orano TRICASTIN
Darren	STURDY	Rolls-Royce
Martin	WEETMAN	Rolls-Royce
Alan	MOSES	Sellafield Ltd
Samuel	ABRAHAM	Sellafield Ltd

First Name	Surname	Company
Mark	MCSHERRY	Sellafield Ltd
Steven	STARKIE	Sellafield Ltd
Cameron	JEFFRIES	South Australia Medical Imaging
Cynthia	HOSKEN SERPA	Spliethoff
Zoey	CANNON	Springfields Fuels Limited
Joel	KRUEHLER	Urenco Limited
Charlie	SLADE	Urenco Limited
Myriam	THEINERT	Urenco Limited
Meb	VADIYA	WNTI
Eileen	SUPKO	WNTI
Peter	BRYANT	WNTI
Simon	CHAPLIN	WNTI
Harley	HENSON	WNTI
Sharon	HUTCHINSON	WNTI
Kuniharu	KINOSHITA	WNTI
Elisa	PENDA	WNTI
Stephen	SHI	WNTI / Orano