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Magnox

Harwell Nuclear Material Transfers

Gary Reid

- Project Scope

**To Sellafield**

**XXX** Stainless Steel canisters of Dragon Fuel

**4004** 200l drums Contact Handled ILW

**2332** Concrete Lined Drums

**To Capenhurst**

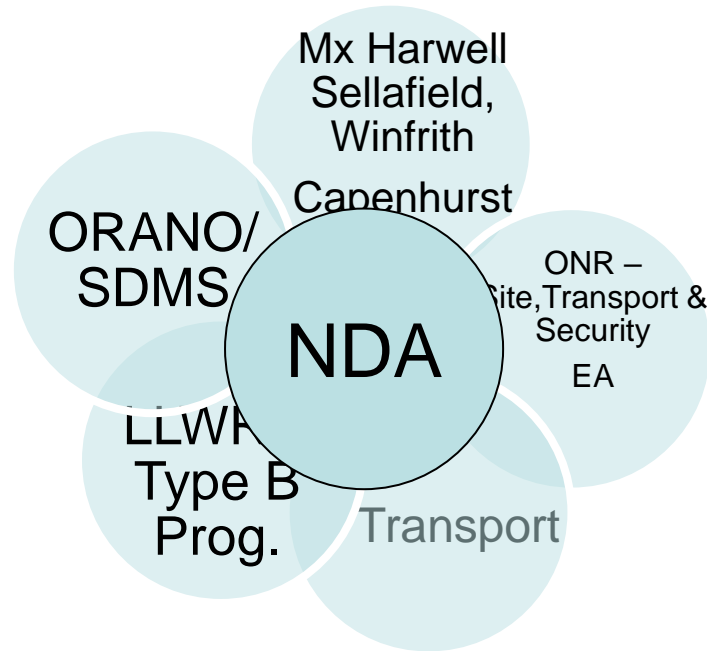
**57** drums Low Enriched Uranium



Milestone	Scope	Drums Shipped to date	Drums Remaining to Achieve Milestone	% Shipped to date w/c 26-Sep-22	Forecast Completion
Total # drums	6644	<b>5123</b>	1521	<b>77.1%</b>	Oct-25 (P50)
80% FY22/23	5316		193		Apr-23 (P50)
83% FY22/23 Stretch	5515		392		Sep-23 (P50)
Hazard reduction		3.10E+15	activity off-site (Bq)	<b>31.2%</b>	



# Official Project Interactions



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# Contact Handled ILW Drums

- 200-litre drums. Low Dose Rate ILW R&D Wastes.
- Transfer window: April 2013 – Dec 2023
- Transport packages: FHISO (IP-2) & Novapak (Type B)



# OFFICIAL Concrete Lined Drums

- 200-litre, 450-litre & 670-litre CLDs containing PCM and Misc.  $\beta\gamma$  waste
- Transfer window: April 2017 - March 2025
- Transport packages: FHISO (IP-2) & Gemini (Type B)
- Gemini comes into active service October 2021.





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# Dragon Fuel

- 40-litre stainless steel canisters of Dragon Fuel originating from the Winfrith Dragon Reactor.
- Transfer: XXX – XXX
- Transfers :XXX in 1.5 Type B Modular Packages.



# OFFICIAL Low Enriched Uranium drums

- 200-litre drums containing Low Enriched Uranium cans shipping to Capenhurst.
- Transfer: July 2021– Sep 2021
- Transport packages: Novapak



# OFFICIAL Progress To August 2022

Wastestreams in NMT Scope Status at Sep-22	Number remaining on-site	Number transferred	% Complete	Shipments since Apr2013	Estimated Shipments to Go	Transport Container
Dragon material			27%			by Modular Flask 3358W
CHILW drums	451	3553	89%	118	9	by FHISO 2896J
				105	38	by Novapak 3739A
CLDs	888	1444	62%	167	37	by FHISO 2896H
				6	159	by Gemini 5112B
LEU	0	57	100%	15	0	by Novapak 3739B
Overall	1521	5123	77.1%	446	334	





