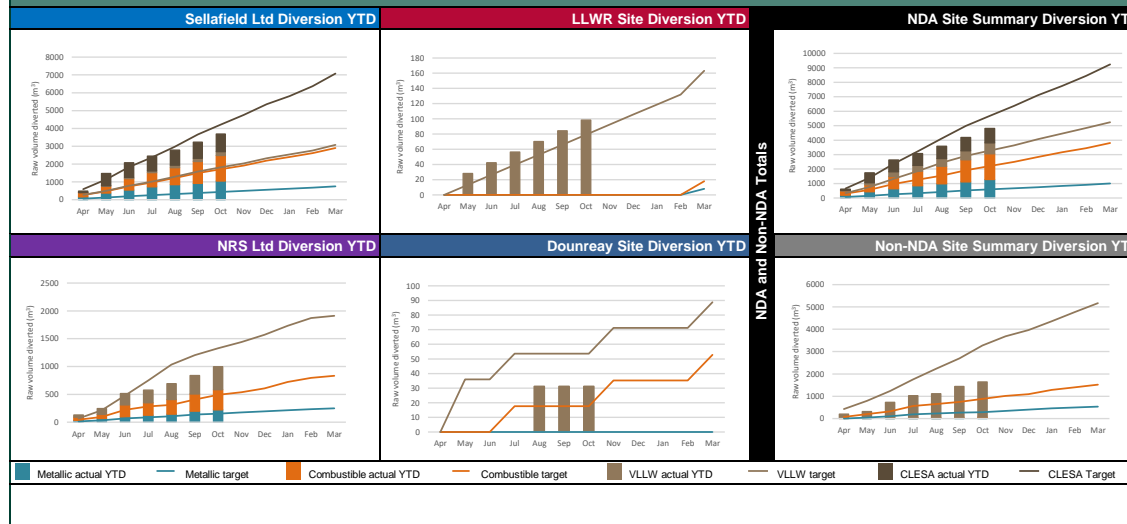


October 2024 Waste Metrics Dashboard

Period 7: 29th September to 26th October FY24/25

Diversion / Disposal Route	Sellafield Ltd		NRS Ltd		LLWR Site		Dounreay Site		NDA Total		Non-NDA Total	
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual
Onsite treatment	0	0	0	0	0	0	0	0	0	0	80	0
Via Framework	750	548	53	36	8	0	0	0	811	584	281	26
Direct Contracts	0	0	168	185	0	0	0	0	168	185	88	0
Out of scope	0	504	28	0	0	0	0	0	28	504	86	0
TOTAL METALLIC	750	1052	249	221	8	0	0	0	1007	1273	535	26
Onsite treatment	0	0	0	0	0	0	0	0	0	0	0	0
Via Framework	2150	1428	585	363	10	0	53	0	2798	1791	100	38
Direct Contracts	0	0	0	0	0	0	0	0	0	0	885	0
Out of scope	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL COMBUSTIBLE	2150	1428	585	363	10	0	53	0	2798	1791	985	38
Onsite disposal ^{2,3}	4000	995	0	0	0	0	0	0	4000	995	0	0
Via Framework	177	216	774	413	145	98	36	31	1132	758	3444	1578
Direct Contracts	0	0	0	0	0	0	0	0	0	0	207	0
Out of scope	0	0	304	0	0	0	0	0	304	0	0	0
TOTAL VLLW DIVERTED	4177	1211	1078	413	145	98	36	31	5436	1753	3651	1578
Sort and Segregation (m ³)	0	0	0	0	0	0	0	0	0	0	0	0
LLW Disposal (containers)	10	6	10	0	1	0	0	3	21	6	26	0
ILW to LLW (m ³)	0	1	0	0	145	99	0	0	145	99	29	0

UK Waste Diversion



Waste Management Services Project Focus - University of Sheffield Generates Radioactive Waste for the First Time.



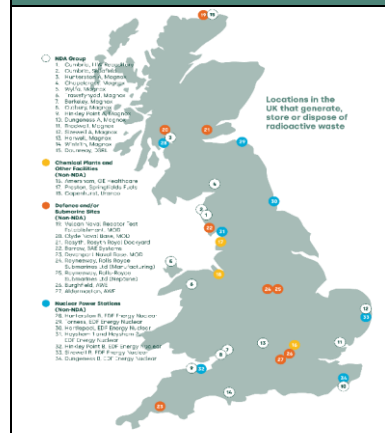
The University of Sheffield's "Advanced Manufacturing Research Centre" (AMRC) is undertaking work in a first of its kind project, and will be producing for the first time an amount of radioactively contaminated wastes. The AMRC approached NWS for support in receiving these wastes for disposal. Given they are a new customer and new to the world of rad-waste management this presented an opportunity to help mould their thinking and inject some LFE from elsewhere in the industry into this newer organisation.

The Customer and Expert Team have conducted several workshops with them to advise and influence their choices of packaging, processes and waste route selection. This culminated last week in a Best Available Technique (BAT) workshop – where technical underpinning and justifications resulted in selection of an optimised waste route for their anticipated waste arisings. Scoring criteria and selection of technologies utilised both the National Strategic BATs, developed by the National Waste Programme, as well as the NDA Value Framework. In line with the waste hierarchy – it is not anticipated that any of AMRCs waste needs to come to the repository and can be diverted for treatment and recycling instead.

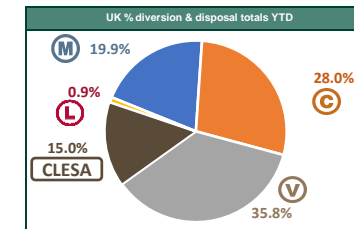
This demonstrates the additional value NWS can offer less experienced customers to ensure their waste management activities are fully optimised prior to generating their operational wastes.

The University of Sheffield are undertaking a new programme of work and will be generating radioactive waste for the first time – utilising support from the Customer and Expert Team.

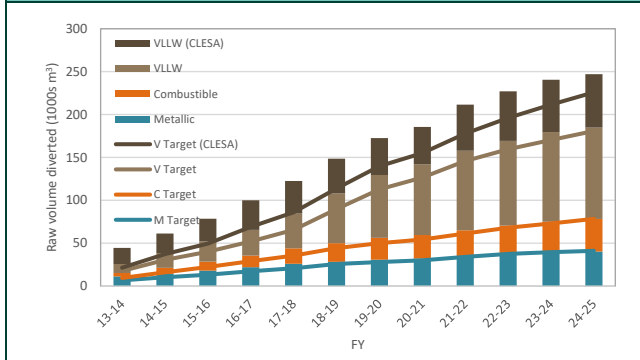
UK Generation & Disposal Sites



Non-NDA Estate Waste Diversion (m ³)	M	C	V
Cyclife	0	0	0
AWE Aldermaston	11	26	17
G E Healthcare	0	0	355
Rolls Royce	0	0	96
Tradebe Inutec Ltd	0	0	0
Urenco Nuclear Stewardship	6	0	1075
Rosyth	0	0	27
Minor Waste Producers	9	11	8

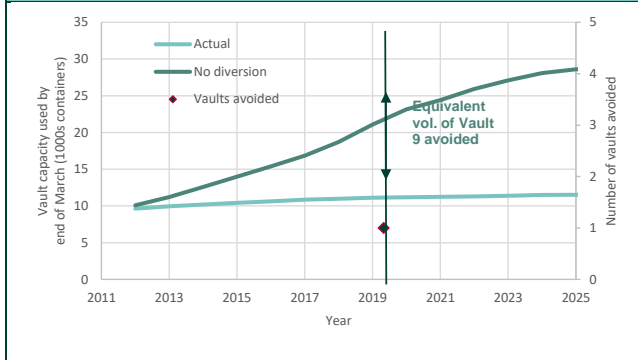


UK total waste volume diverted since Programme initiation



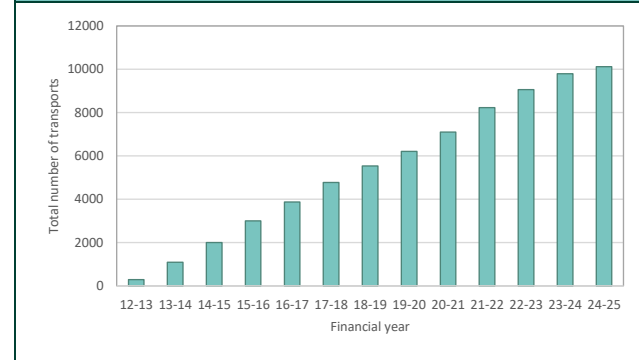
	M	C	V	CLESA
Year to date	1,299 te diverted	1,828 m³ diverted	2,337 m³ diverted	995 m³ diverted
Since Programme initiated	40,278 te diverted	37,925 m³ diverted	106,689 m³ diverted	62,040 m³ diverted

Total no. of equivalent HHISO containers saved by diversion



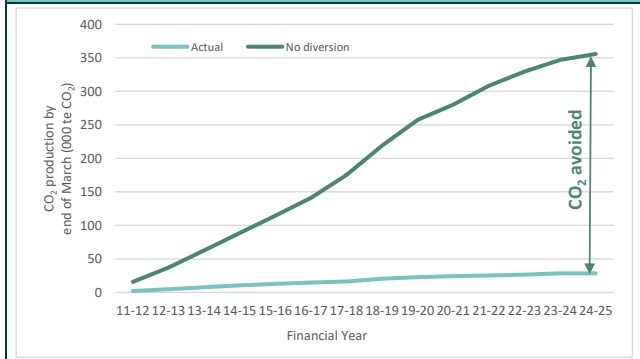
Year to date	489 containers saved	10,037 m³ saved	The volume diverted is equivalent to the volume of 4 Olympic swimming pools.
Since Programme initiated	15,708 containers saved	340,675 m³ saved	The volume diverted is equivalent to the volume of 136 Olympic swimming pools.

UK total diversion transports since Programme initiated



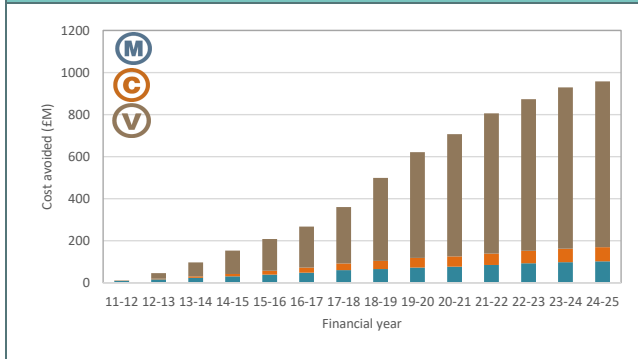
Year to date	332 transports	66,400 miles	The mileage done is the equivalent of travelling the length of the River Nile 16 times.
Since Programme initiated	10,124 transports	2.0M miles	The mileage done is the equivalent to 8.4 times the distance between the earth and the moon.

Environmental benefit of UK diversion CO2 avoided



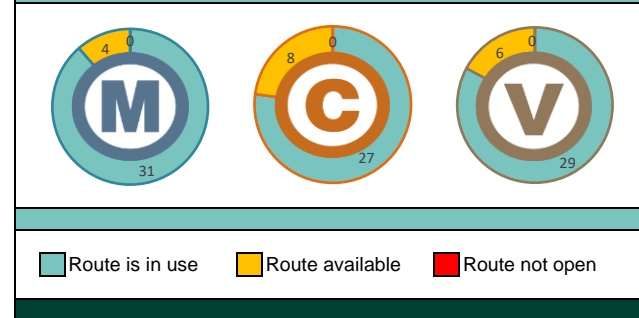
Year to date	8,809 te avoided	100%	This is the equivalent of 1790 hot air balloons.
Since Programme initiated	327,294 te avoided	99%	This is the equivalent of 66655 hot air balloons.

UK total cost avoidance since Programme initiated



Year to date	£ 28.3M	The cost avoidance from this FY would be enough to pay 894 nurses for 1 year.
Since Programme initiated	£ 957.3M	This would be enough to pay a salary for 30252 nurses for 1 year.

No. of organisations with access to diversion routes



Additional Commentary

- 1- DSRL DLLW and LLW disposals are consigned to their on-site D3100 vault and are therefore not factored into NDA totals / benefits.
- 2- Onsite VLLW disposal includes waste disposed to Sellafield's CLESA facility, however, this material does not contribute to benefits calculations, with the exception of total volume diverted (i.e. HHISOs saved, environmental benefit, cost avoidance do not include CLESA).
- 3- Onsite VLLW disposal at DSRL was not destined for disposal at the Repository, and therefore does not contribute to the Total value.