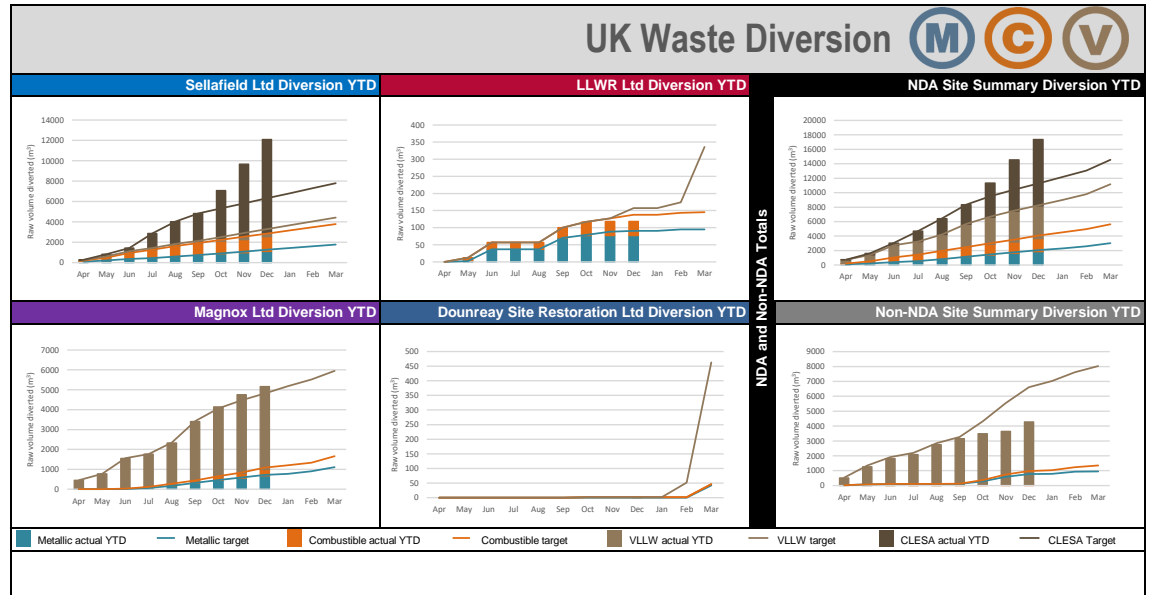



December 2021 Waste Metrics Dashboard

Period 9: 21st November to 25th December FY21/22

| Diversion / Disposal Route | Sellafield Ltd | | Magnox Ltd | | LLWR Ltd | | Dounreay Site Restoration Ltd | | NDA Total | | Non-NDA Total | |
|---------------------------------------------|----------------|-------------|-------------|-------------|------------|-----------|-------------------------------|----------|-------------|--------------|---------------|-------------|
| | Target | Actual | Target | Actual | Target | Actual | Target | Actual | Target | Actual | Target | Actual |
| Metallic (t) | | | | | | | | | | | | |
| Onsite treatment | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 |
| Via Framework | 871 | 535 | 1066 | 648 | 65 | 47 | 42 | 0 | 2043 | 1230 | 310 | 0 |
| Direct Contracts | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 196 | 0 |
| Out of scope | 905 | 560 | 23 | 23 | 30 | 30 | 0 | 0 | 959 | 613 | 445 | 0 |
| TOTAL METALLIC | 1776 | 1095 | 1109 | 671 | 95 | 77 | 42 | 0 | 3022 | 1843 | 951 | 0 |
| Combustible (m³) | | | | | | | | | | | | |
| Onsite treatment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Via Framework | 2008 | 1461 | 549 | 320 | 50 | 41 | 4 | 1 | 2612 | 1823 | 57 | 37 |
| Direct Contracts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 342 | 0 |
| Out of scope | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL COMBUSTIBLE | 2008 | 1461 | 549 | 320 | 50 | 41 | 4 | 1 | 2612 | 1823 | 399 | 37 |
| VLLW (m³) | | | | | | | | | | | | |
| Onsite disposal ^{2,3} | 3376 | 9181 | 0 | 0 | 0 | 0 | 88 | 0 | 3376 | 9181 | 0 | 0 |
| Via Framework | 639 | 353 | 4278 | 4152 | 191 | 0 | 417 | 0 | 5524 | 4505 | 6680 | 4237 |
| Direct Contracts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Out of scope | 0 | 0 | 16 | 16 | 0 | 0 | 0 | 0 | 16 | 16 | 0 | 0 |
| TOTAL VLLW DIVERTED | 4015 | 9534 | 4294 | 4168 | 191 | 0 | 417 | 0 | 8916 | 13702 | 6680 | 4237 |
| Sort and Segregation (m³) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LLW Disposal (containers) | 20 | 2 | 13 | 1 | 3 | 0 | 58 | 0 | 36 | 3 | 23 | 0 |
| ILW to LLW (m ³) | 50 | 0 | 71 | 0 | 70 | 0 | 0 | 0 | 191 | 0 | 29 | 0 |



LLWR Waste Management Services Project Focus - PCM Waste Characterisation




LLWR is providing a service for the receipt, emptying and treatment of ILW desiccant waste which is currently packaged in five Ductile Cast Iron Containers (DCIC) and stored in the Interim Storage Facility (ISF) at Bradwell Site. Bradwell site is now in Care and Maintenance (C&M), however the Interim Store Facility will continue to receive waste from Sizewell A and Dungeness A as part of the Magnox consolidated stores programme. Treatment of the desiccant waste will release valuable space within the Bradwell ISF and therefore de-risk the consolidated stores programme.

Whilst LLWR and Tradebe Inutec have provided a service to Magnox in the past to treat and dispose of ILW desiccant waste from various Magnox Sites, the receipt and emptying of a DCIC will be a first of a kind project.

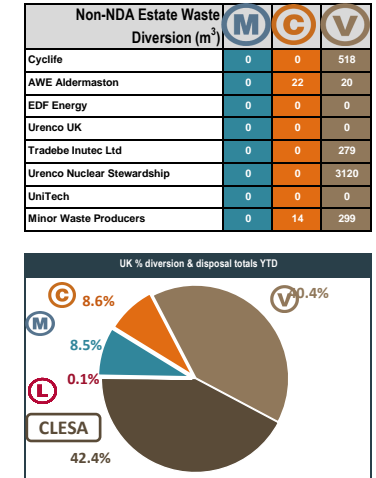
Desiccant was used within reactor gas dryers to control the moisture content of reactor gas and prevent corrosion of the reactor components. The desiccant deteriorated over time and was replaced and packaged for long term storage. This project will treat the desiccant waste early, negating the need for long term storage, and will result in no waste requiring disposal at the LLWR.

LLWR is providing a service for treatment of Intermediate Level Waste (ILW) desiccant which stored in the Interim Storage Facility (ISF) at Bradwell Site.

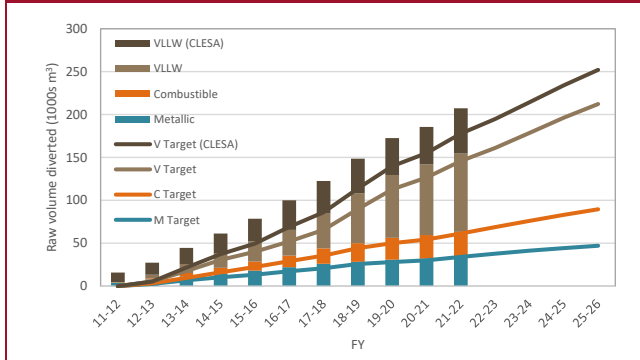
UK Nuclear Sites and Waste Management Capability



- NDA Estate Sites**
 1. Low Level Waste Repository
 2. Sellafield
 3. Hunterston A
 4. Chapelcross
 5. Wylfa
 6. Trwstynnydd
 7. Berkeley
 8. Oldbury
 9. Hinkley Point A
 10. Dungeness A
 11. Bradwell
 12. Sizewell A
 13. Harwell
 14. Winfrith
 15. Dounreay
- Defence And/Or Submarine Sites 20.**
 21. Vulcan Naval Reactor Test Establishment
 22. Rosyth
 23. Barrow
 24. Devonport Naval Base
 25. Raynesway
 26. Derby
 27. Burghfield
 28. Aldermaston
- Nuclear Power Stations**
 29. Hunterston B
 30. Torness
 31. Hartlepool
 32. Heysham 1 & Heysham 2
 33. Hinkley Point B
 34. Sizewell B
 35. Dungeness B
- Chemical Plants And Other Facilities (Non-NDA)**
 16. GE Healthcare, Cardiff
 17. GE Healthcare, Amersham
 18. Springfield Fuels
 19. URENCO
- Supply Chain Infrastructure Sites**
 36. Suez
 37. Grundfos
 38. Aeguan
 39. Veolia
 40. Tradebe Inutec
 41. Doosan Babcock
 42. Cyclife
 43. Tradebe Fawley

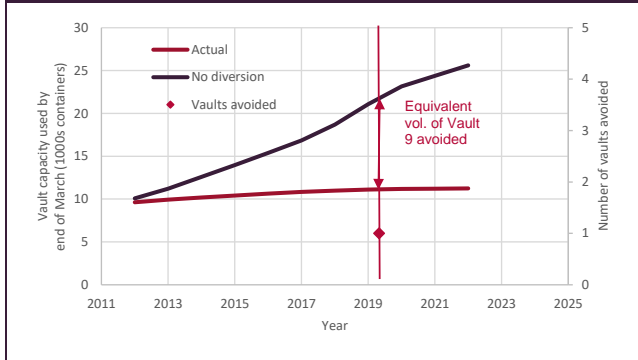


UK total waste volume diverted since Programme initiation



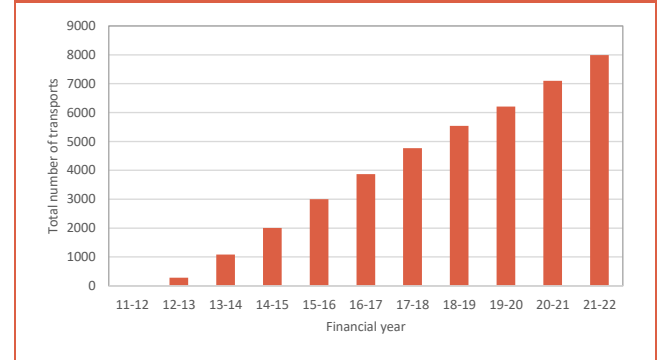
| | | | | |
|----------------------------------|--------------------|--------------------|--------------------|--------------------|
| | M | C | V | CLESA |
| Year to date | 1,843 m³ diverted | 1,860 m³ diverted | 8,758 m³ diverted | 9,181 m³ diverted |
| Since Programme initiated | 33,905 m³ diverted | 29,365 m³ diverted | 84,532 m³ diverted | 31,815 m³ diverted |

Total no. of equivalent HHISO containers saved by diversion



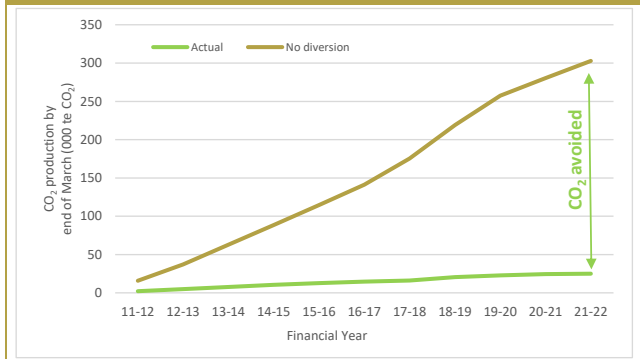
| | | | |
|----------------------------------|-------------------------|------------------|---------------------------------------------------------------------------------|
| Year to date | 1,193 containers saved | 24,488 m³ saved | The volume diverted is equivalent to the volume of 9.5 Olympic swimming pools. |
| Since Programme initiated | 14,361 containers saved | 294,778 m³ saved | The volume diverted is equivalent to the volume of 117.5 Olympic swimming pools |

UK total diversion transports since Programme initiated



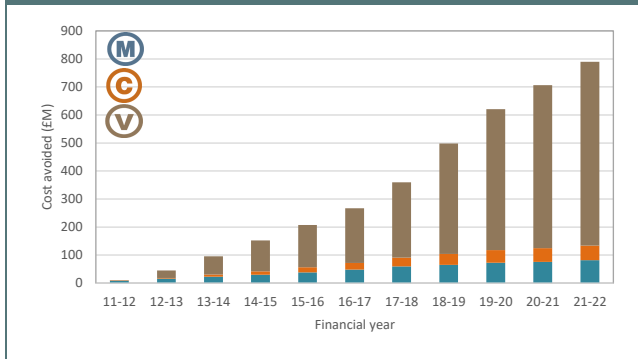
| | | | |
|----------------------------------|------------------|---------------|--------------------------------------------------------------------------------------------------------------|
| Year to date | 895 transports | 179,000 miles | The mileage done is the equivalent of travelling round the earth seven times |
| Since Programme initiated | 7,992 transports | 1.6M miles | The mileage done is the equivalent of travelling to the moon and back three times, and returning to the moon |

Environmental benefit of UK diversion CO2 avoided



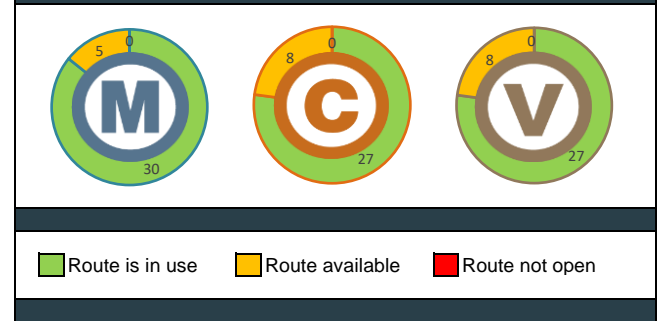
| | | | |
|----------------------------------|---------------------|-----|--------------------------------------------------|
| Year to date | 21,915 tte avoided | 97% | This is the equivalent of 4308 hot air balloons |
| Since Programme initiated | 277,829 tte avoided | 92% | This is the equivalent of 56429 hot air balloons |

UK total cost avoidance since Programme initiated



| | | |
|----------------------------------|----------|--------------------------------------------------------------------------------|
| Year to date | £ 83.4M | The cost avoidance from this FY would be enough to pay 252 nurses for 10 years |
| Since Programme initiated | £ 789.9M | This would be enough to pay a salary for 2485 nurses for 10 years |

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 - On-site VLLW disposal includes waste disposed to Salfield'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 - On-site VLLW disposal at DSRL was not destined for disposal at the Repository, and therefore does not contribute to the Total value.