



# March 2020 Waste Metric Dashboard

# UK Waste Diversion

NDA Site Summary YTD

Metallic Treatment:

Sellafield Ltd

Magnox Ltd 183

Combustible Treatment:

Magnox Ltd 859

VLLW Disposal:

Sellafield Ltd

LLWR Ltd

their JWMP targets in the YTD.

Metallic Treatment:

LLWR Ltd

LLWR Ltd 181

Magnox Ltd 10806

DSRL N/A

Actual

YTD

2518

129

Actual

YTD

792

162

Actual

YTD

9715

19

N/A

10360

Actua

626

Yearly

Target

1711

**DSRL** 0 0

Yearly

Target

DSRI 7 7

Total: 3265 3433

Yearly

Target

980

44

11830

Yearly

Via framework 25 0

Out of Scope 19 19

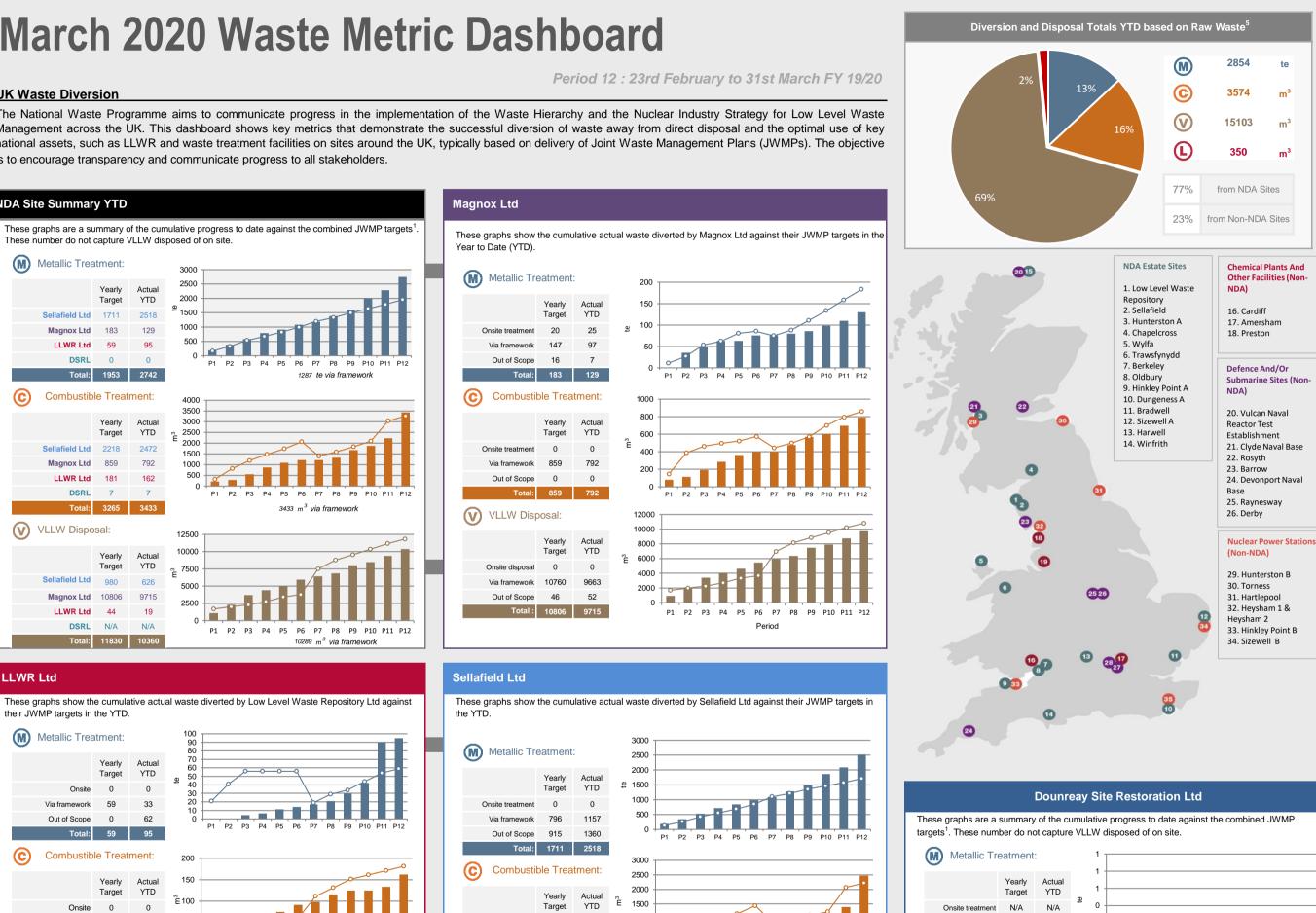
Total: 44 19

Key: Cumulative Actual Waste diverted

Sellafield Ltd 2218 2472

LLWR Ltd 59 95

The National Waste Programme aims to communicate progress in the implementation of the Waste Hierarchy and the Nuclear Industry Strategy for Low Level Waste Management across the UK. This dashboard shows key metrics that demonstrate the successful diversion of waste away from direct disposal and the optimal use of key national assets, such as LLWR and waste treatment facilities on sites around the UK, typically based on delivery of Joint Waste Management Plans (JWMPs). The objective is to encourage transparency and communicate progress to all stakeholders.



1000

500

1000

800

600

400

200

\_\_\_\_

P1 P2 P3 P4

P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12

Actuals do not include waste diverted via the Soft Bagged Waste Trial

Period

1 Actuals/Target YTD only applies to VLLW via the framework

0

Total: 2218 2472

Yearly Actual

Target YTD

Via framework 2218 2472

Onsite disposal 3098 2453

Via framework 980 626

Out of Scope 0 0

Total<sup>6</sup> : 980 626

Out of Scope 0

Onsite treatmen

VLLW Disposal:

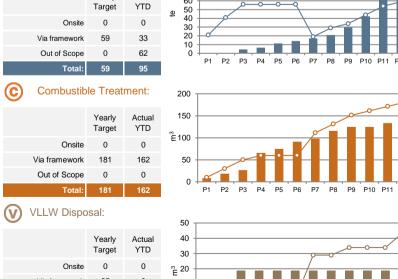
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0

0 0 Via framework Out of Scope N/A N/A Total: 0 0 Combustible Treatment: Yearly Actual Target YTD Onsite treatment N/A N/A Via framework 7 7

Out of Scope N/A N/A

Total: 7 7



P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12

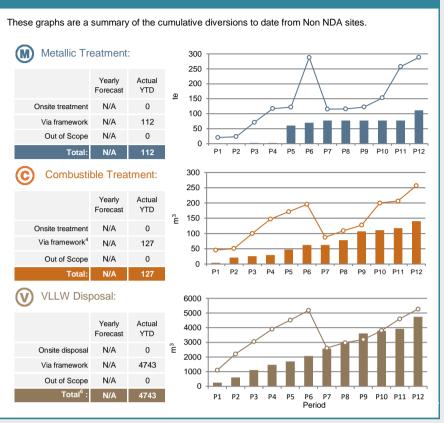
Period

-O- -O- Target / Forecast

0 -

# **National Waste Programme**

# Non-NDA Site Summary YTD



#### Non-NDA Sites (YTD)<sup>3</sup>

This table shows the cumulative actual waste diverted\*\*\* by non-NDA sites in the YTD

Non-NDA Sites	(te)	(m <sup>3</sup> )	(m <sup>3</sup> )
Cyclife <sup>2</sup>	0	0	740
AWE Aldermaston	112	27	512
EDF Energy	0	0	0
URENCO UK	0	0	345
Tradebe Inutec Ltd	0	0	551
URENCO Nuclear Stewardship	0	13	2130
Unitech	0	0	0
Other	0	100	465

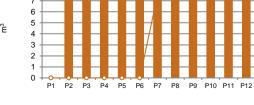


#### ILW → LLW Re-Classification

This table shows the actual volume of waste re-classified from ILW to LLW in the YTD.

SLC	Actual Volume Re-Classified YTD (m3)
Magnox Ltd	
Sellafield Ltd	-
LLW Repository Ltd	-
DSRL	-
Non-NDA	-
Total	0
Values above include direct contracts.	material diverted through

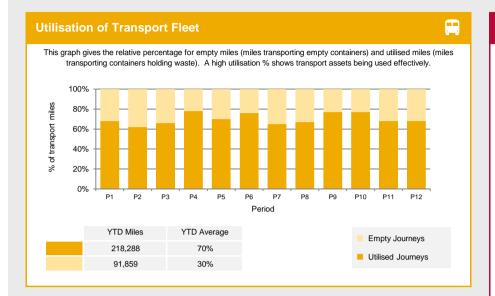
P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P1 As DSRL have not yet completed their metallic BAT, yearly breakdown of forecast arisings is unk 



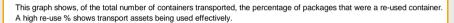


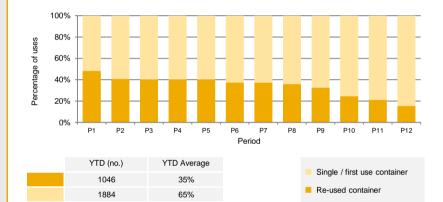


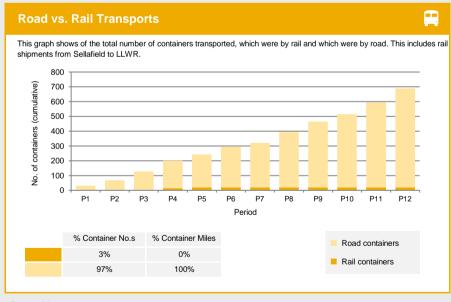
# Transport and Packaging



Package Re-use





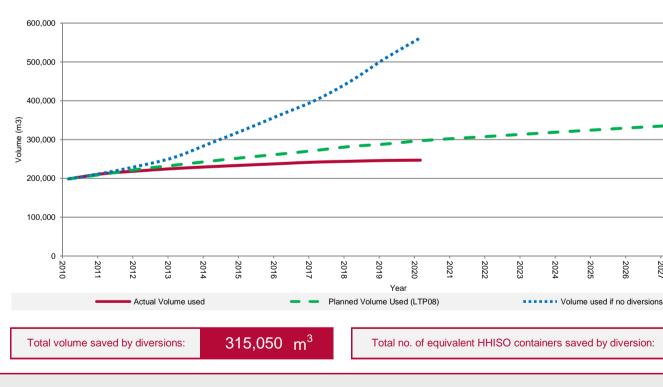


#### LLW Disposals This table gives the number of LLW containers disposed of as LLW in the YTD. No. of Containers sent for LLWR Disposal in the YTD Period Period Period Period Site(s) 3 Sellafield Ltd 2 0 NDA Magnox Ltd 0 LLWR Ltd Cyclife AWE Aldermaston EDF Energy Urenco UK Tradebe Inutec Ltd Urenco Nuclear Stewardship Unitech Others

				No.	of Contair	ners dispo	sed of at D	ounreay i	n the YTD				-
Dounreay Vaults	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	Total
Dounreay - Main Vault	0	0	3	2	0	0	0	2	4	0	2	8	21
Dounreay - Demolition Vault	0	0	0	0	0	0	0	0	0	0	0	0	0

# **Total Impact of Diversions on LLWR Site**

This graph compares the actual site capacity used, against the planned capacity according to Life Time Plan (LTP) 08, and the capacity that would have been used if no treatment options were utilised. Actual disposals are based on the number of containers reciveved by LLWR per year. To convert between raw volume and container number it has been assumed that one container takes up 22.8m<sup>3</sup> of vault space. For metallic wastes it has been assumed that 10te is contained within a HHISO. This graph starts in April 2010 when the new LLWR waste services contract was introduced. Up to this point 266,180m3 of waste had been consigned to LLWR for disposal. For the purpose of this graph these values assume no secondary waste is recieved by LLWR from treatment providers

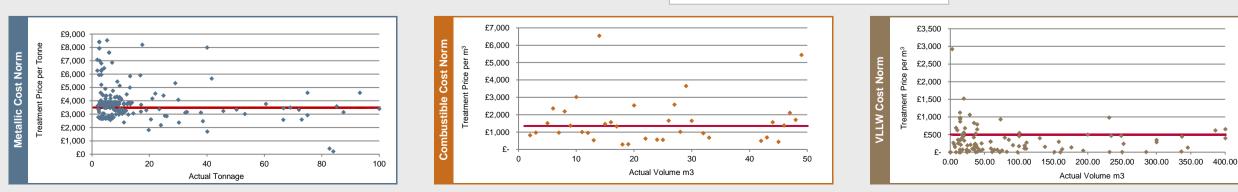


Cost Norm

Actual Price

### **Cost Norms**

The three graphs below show the cost norms with the actual price per contract for comparision.



Key:

# LLW Disposals and LLWR Vault Capacity

# **National Waste Programme**

### Usage of Waste Routes

Route Status



Period 11	Period 12	Total
0	4	26
3	0	8
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	1
0	0	0
0	0	0
0	0	0
3	4	35
Period 11	Period 12	Total

Period

9

3

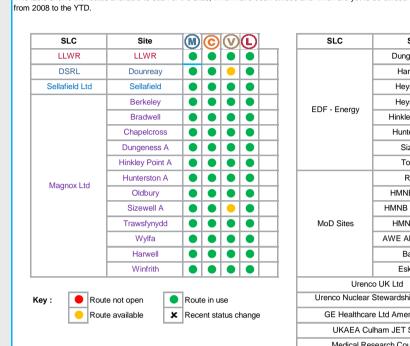
0

Perioc

10

0

0

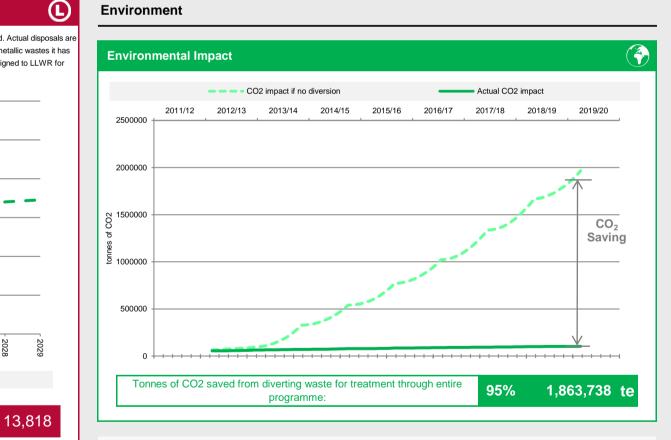


This table shows the routes available to each of the sites, which have been utilised and which are yet to be utilised. This date is reflective of waste route usage

SLC	Site	M	$\bigcirc$	$\mathbf{v}$	
EDF - Energy	Dungeness B	Ĭ	•	Ĭ	
	Hartlepool			•	
	Heysham 1				
	Heysham 2				
	Hinkley Point B				
	Hunterston B				
	Sizewell		٠		
	Torness				
	RRSL				
	HMNB Rosyth	•	•		
	HMNB Devonport		•	•	
MoD Sites	HMNB Clyde	•		•	
	AWE Aldermaston				
	Barrow		•	•	
	Eskmeals		•	•	
Urenco UK Ltd			•		
Urenco Nuclear Stewardship (UNS)					
GE Healthcare Ltd Amersham		•	•		
UKAEA Cu	Iham JET Site	•	•	•	
Medical Research Council			•	•	

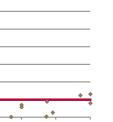
 $\checkmark$ 

# Environment



#### Dashboard Commentary:

Coding error at P6 resulting in Non-NDA Combustible being reported incorrectly as Onsite Treatment and not Via Framework. Total quantities processed through the framework corrected P8.



#### Notes:

1 - Diversion totals from Non-NDA include framework and non framework consignments

- A Metallic Waste (le) to (m3) Conversion: 1:00 te/m3 (assuming 10te per HHISO)
  Conversion: 1:00 te/m3 (assuming 10te per 4 - Non-NDA Combustible table does not include consignments treated via direct contracts

4 - NOR-NOL Controlstole table does not include consignments treated via direct contracts 5 - The 15 LLW Disposel containers received since August 2108 from Sellafield Ltu were WAGR Boxes, rather than standard HHISOs. These contain 40% less waste volume than a HHISO, and this is represented in the Diversion / Disposel data Pie Chart. These containers are also detailed in the LLW disposals table and ILW-LLW reclassification table. 6 - Actuals/Target YTD only applies to VLLW via the framework 7. Caveat - P12 Sellafield final waste actual form - unavailability of resource during the Covid-19 pandemic, final figured will be approved in due course.