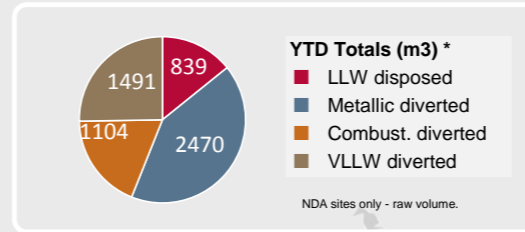


August 2014 Waste Metric Dashboard

Period 5: 27th July to 23rd August FY 14/15

UK Waste Diversion

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, based on delivery of Joint Waste Management Plans (JWMPs). The objective is to encourage transparency and communicate progress to all stakeholders.



NDA Site Summary YTD

Metallic, Combustible and Very Low Level Waste
FY2014/15 Summary - Period 5**

These graphs are a summary of the cumulative progress to date against the combined JWMP targets. These numbers do not capture VLLW disposed of on site and Non NDA waste diversion. Non NDA waste diversion is captured in the box below.

SLC	Yearly Target	Actual YTD
SL	1420	1003
MX	632	215
RSRL	175	49
LLWR	12	0
Total:	2239	1267

458 te via framework

SLC	Yearly Target	Actual YTD
SL	600	300
MX	1335	717
RSRL	238	87
LLWR	10	0
Total:	2182	1104

1105 m³ via framework (inc. 52m³ via direct contracts)

SLC	Yearly Target	Actual YTD
SL	250	5
MX	3020	798
RSRL	1442	688
LLWR	40	0
Total:	4752	1491

1483 m³ via framework

Sellafield Ltd 1

JWMP Targets 2014/15

These graphs show the cumulative actual waste diverted by Sellafield Ltd against their JWMP targets.

Metallic Treatment:

	Yearly Target	Actual YTD
Onsite treatment	725	662
Via framework	695	341
Out of Scope	0	0
Total:	1420	1003

Combustible Treatment:

	Yearly Target	Actual YTD
Onsite treatment	0	0
Via framework	600	300
Out of Scope	0	0
Total:	600	300

VLLW Disposal:

	Yearly Target	Actual YTD
Onsite disposal	6385	1491
Via framework	250	5
Out of Scope	0	0
Total:	250	5

Actuals/Target YTD only applies to VLLW via the framework

Magnox Ltd 2-11

JWMP Targets 2014/15

These graphs show the cumulative actual waste diverted by Magnox Ltd against their JWMP targets.

Metallic Treatment:

	Yearly Target	Actual YTD
Onsite treatment	10	11
Via framework	579	93
Out of Scope	32	111
Total:	632	215

Combustible Treatment:

	Yearly Target	Actual YTD
Onsite treatment	0	0
Via framework	1335	717 ¹
Out of Scope	0	0
Total:	1335	717

VLLW Disposal:

	Yearly Target	Actual YTD
Onsite disposal	0	0
Via framework	1940	798
Out of Scope	1080	0
Total:	3020	798

¹ includes 52m³ via direct contracts

RSRL 12-13

JWMP Targets 2014/15

These graphs show the cumulative actual waste diverted by Research Sites Restoration Ltd against their JWMP targets.

Metallic Treatment:

	Yearly Target	Actual YTD
Onsite treatment	15	25
Via framework	160	24
Out of Scope	0	0
Total:	175	49

Combustible Treatment:

	Yearly Target	Actual YTD
On site treatment	0	0
Via framework	238	87
Out of Scope	0	0
Total:	238	87

VLLW Disposal:

	Yearly Target	Actual YTD
Onsite disposal	0	0
Via framework	1442	679
Out of Scope	0	9
Total:	1442	688

LLWR Ltd 15

JWMP Targets 2014/15

These graphs show the cumulative actual waste diverted by Low Level Waste Repository Ltd against their JWMP targets.

Metallic Treatment:

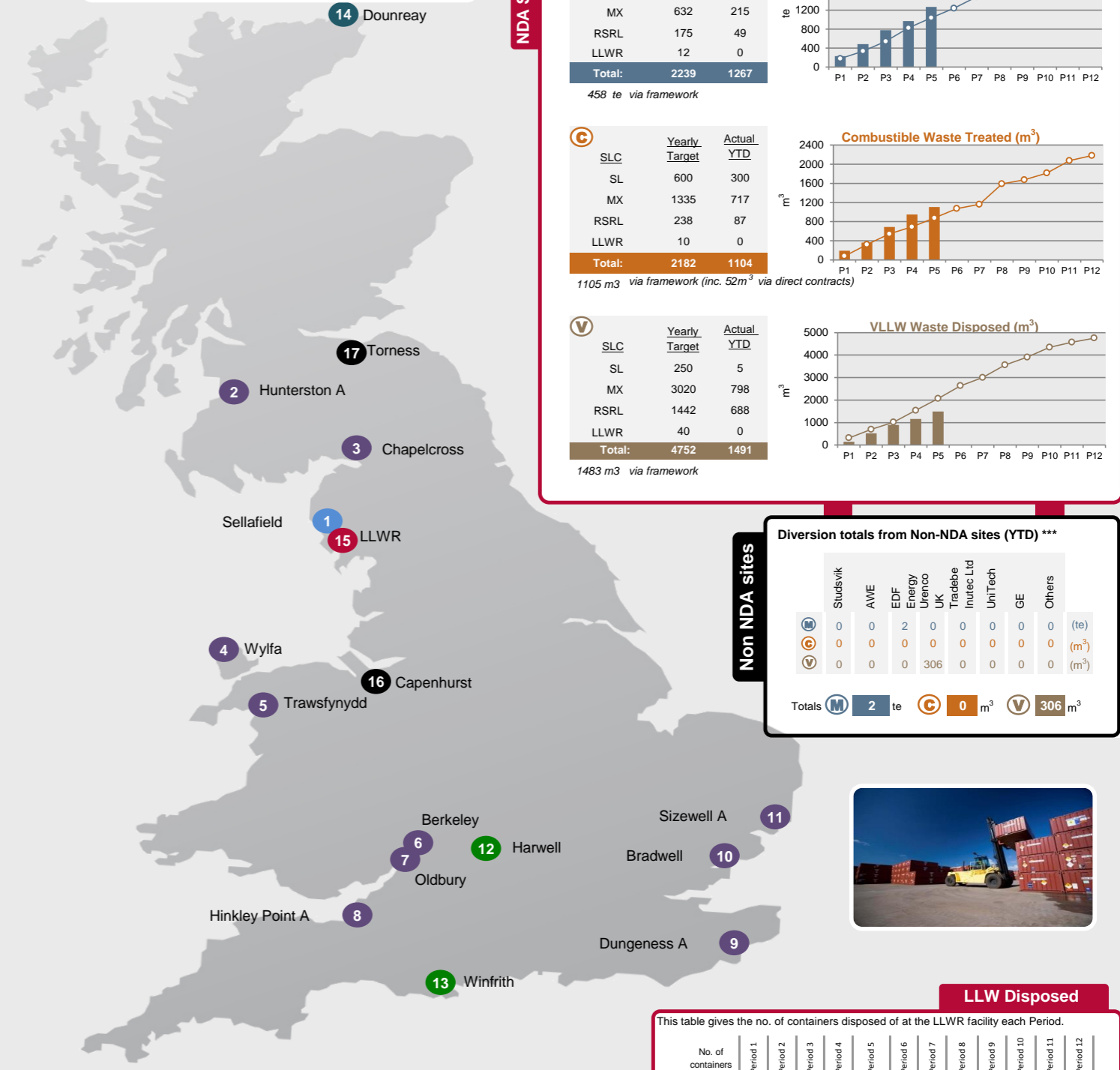
	Yearly Target	Actual YTD
Onsite treatment	0	0
Via framework	12	0
Out of Scope	0	0
Total:	12	0

Combustible Treatment:

	Yearly Target	Actual YTD
On site treatment	0	0
Via framework	10	0
Out of Scope	0	0
Total:	10	0

VLLW Disposal:

	Yearly Target	Actual YTD
Onsite disposal	0	0
Via framework	40	0
Out of Scope	0	0
Total:	40	0



Non NDA sites

Diversion totals from Non-NDA sites (YTD) ***

SLC	Studsвик	AVE	EDF Energy	Urenco UK	Tradebe Inutec Ltd	UnTech	GE	Others	Units
M	0	0	2	0	0	0	0	0	(te)
C	0	0	0	0	0	0	0	0	(m³)
V	0	0	0	306	0	0	0	0	(m³)
Totals	0	2	0	0	0	0	0	0	306 m³



LLW Disposed

This table gives the no. of containers disposed of at the LLWR facility each Period.

No. of containers	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12
SL	0	9	14	7	6	-	-	-	-	-	-	-
MX	0	0	1	2	0	-	-	-	-	-	-	-
DSRL*	0	0	0	0	0	-	-	-	-	-	-	-
RSRL	0	0	0	0	0	-	-	-	-	-	-	-
LLWR	0	0	0	0	0	-	-	-	-	-	-	-
Others**	1	0	0	0	3	-	-	-	-	-	-	-
TOTAL	1	9	15	9	9	0	0	0	0	0	0	0

*Containers stored at DSRL **Others include Non-NDA sites

Footnotes

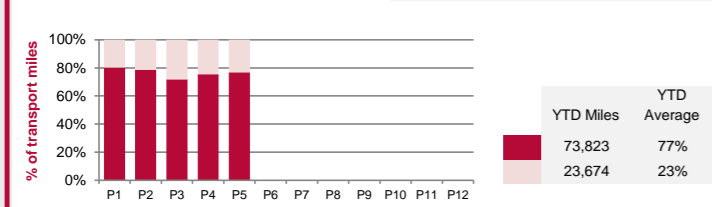
*Metallic waste has been converted to raw volume assuming 10te per Half Height Isofreight container (HHISO) and a HHISO volume of 19.5m³. The same volume has been used to convert LLWR container numbers to raw volumes.

**Dashboards generated from Period 1 onwards include the updated targets from SLC's JWMP 6 submissions.

*** Diversion totals from Non NDA include framework and non framework consignments.

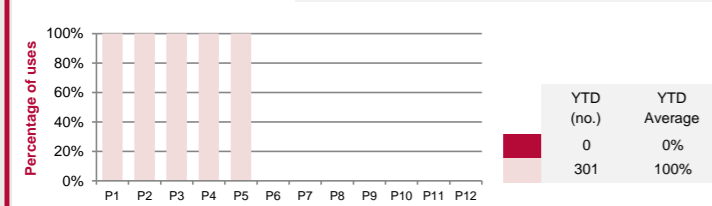
Transport and Packaging

Utilisation of Transport Fleet



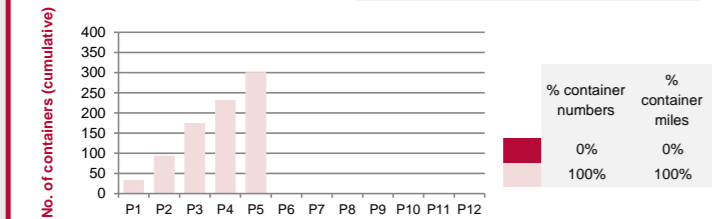
This graph gives the relative percentage for empty miles (miles transporting empty containers) and utilised miles (miles transporting containers holding waste). A high utilisation % shows transport assets being used effectively.

Package Re-use



This graph shows, of the total number of containers transported, the percentage of packages that were a re-used container. A high re-use % shows transport assets being used effectively.

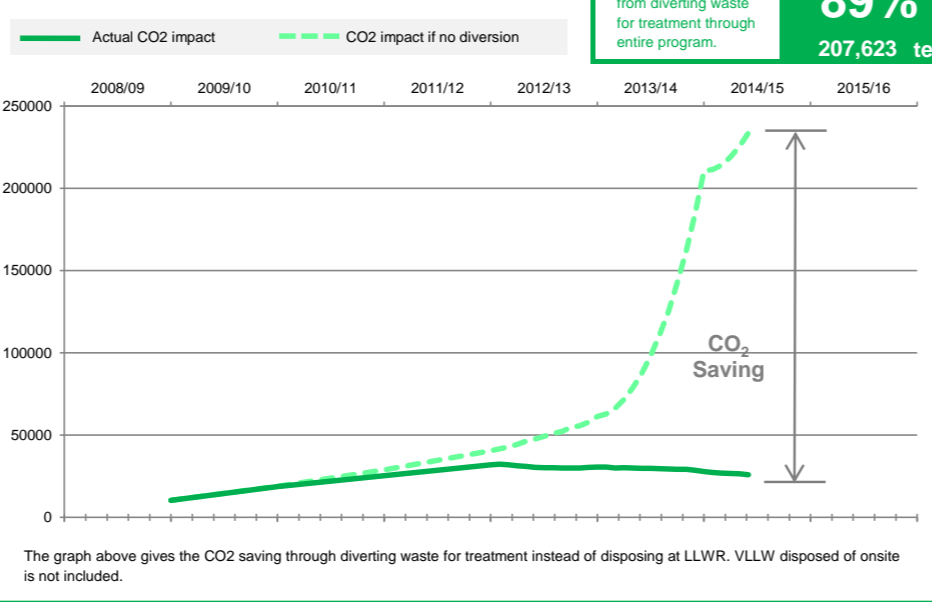
Road vs. Rail Transports



This graph shows of the total number of containers transported, which were by rail and which were by road. Rail shipments from Sellafield to LLWR are excluded as they include containers that have been transported by road for the majority of their journey.

Safety Environment and Assurance

Environmental Impact



The graph above gives the CO₂ saving through diverting waste for treatment instead of disposing at LLWR. VLLW disposed of onsite is not included.

RIDDOR/OSHA

RIDDOR and OSHA are measures of reporting safety incidents.

Quarter in FY	14/15	Q1	Q2*	Q3	Q4
Transport RIDDOR1		0	0		
Repository RIDDOR1		0	0		
Repository OSHA (TRIR**12)		0	0		

* Quarter 2 figures as at the end of Period 5 **TRIR (Total recordable incident rate)

Supply Chain Non Conformance

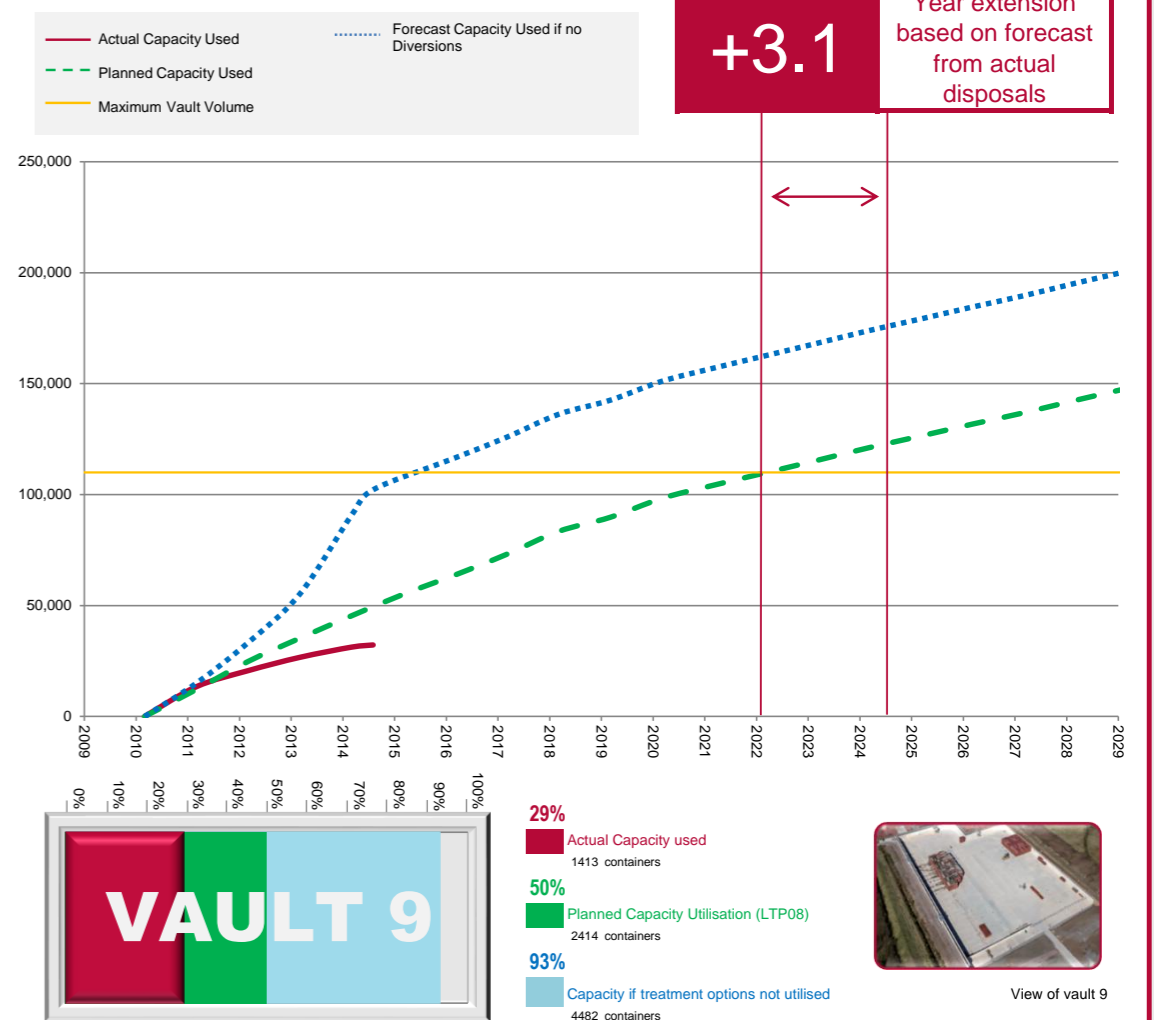
Period	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
No. of supply chain non-conformances	0	3	1	0	0							

No. of non-conformances YTD: **4**
Average no. of non-conformances YTD: **0.8**

This table reflects the number of reported non-conformances within the supply chain on a monthly basis.

LLWR Vault 9 Capacity

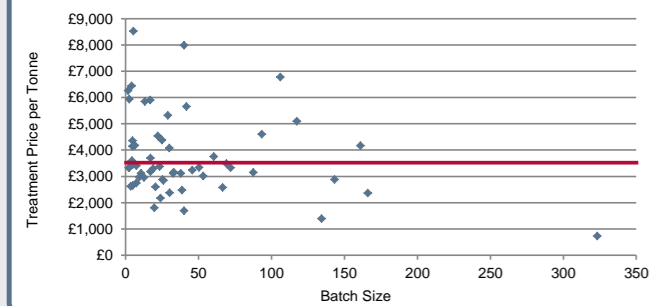
Actual vs Forecast Volumes



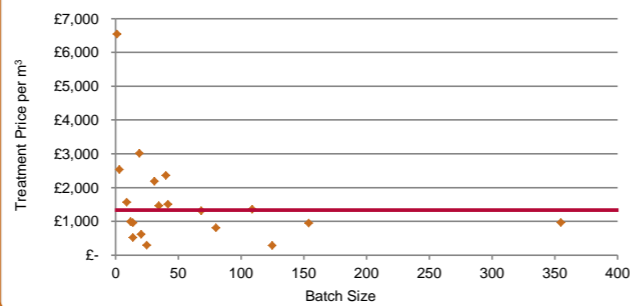
This graph compares the actual vault capacity used, against the planned capacity according to LTP08 and the capacity that would have been used if no treatment options were utilised. This graph is based on data from the past calendar year. These values assume all waste consigned to LLWR since FY 10/11 was for storage in vault 9, and all waste diverted since FY 10/11 would have been stored in vault 9. For metallic wastes it has been assumed that 10te is contained within a HHISO.

Cost Norms

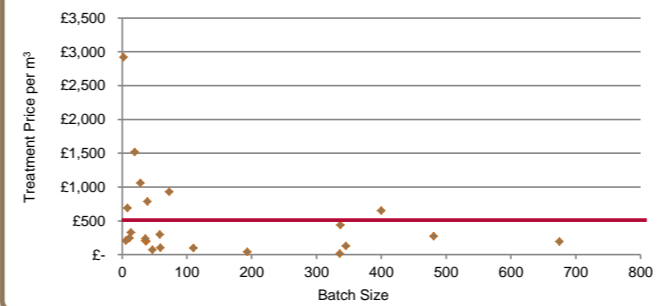
Cost Norms Metallic Waste



Cost Norms Combustible Waste



Cost Norms VLLW Waste



Usage of Waste Routes - NDA SLC's

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 from 2008 to the YTD.

SLC	Site	Metallic Waste	Combustible Waste	LLW	VLLW / LALLW
Sellafield Ltd	Sellafield	●	●	●	●
	Berkeley	●	●	●	●
	Bradwell	●	●	●	●
	Chapelcross	●	●	●	●
	Dungess A	●	●	●	●
	Hinkley Point A	●	●	●	●
	Hunterston A	●	●	●	●
	Oldbury	●	●	●	●
	Sizewell A	●	●	●	●
	Trawslynnydd	●	●	●	●
Magnox Ltd	Wylfa	●	●	●	●
	Harwell	●	●	●	●
	Winfrith	●	●	●	●
	LLWR	●	●	●	●
DSRL	Dounreay	●	●	●	●

Key:
● Route not open
● Route available
● Route in use
● Recent status change

National Waste Programme | Key Achievements This Quarter

Quarter 1 Milestones 2014/2015

- Undertake Magnox Strategic BPM for combustible waste, building on the preferred options expressed in the Magnox Strategic LLW BPEO Study.
- Establish a call-off contract for the analysis of samples taken in support of decommissioning activities, through LLWR's Characterisation Framework.

Quarter 2 Milestones 2014/2015

- Magnox to Review company standard on characterisation and develop an implementation plan.
- RSRL to implement a system of regular reviews to the WIF and UKRWI datasheets in line with the RSRL LTP
- LLWR to Liaise with Cumbria County Council over the planning application