

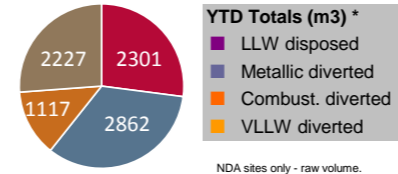
October 2013

Waste Metric Dashboard

Period 7: 29th September to 26th October FY 13/14

UK Waste Diversion

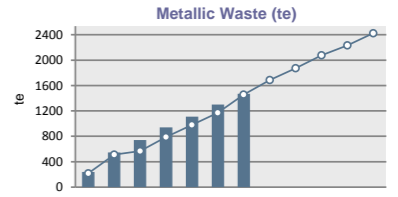
The National Waste Programme aims to communicate progress in the implementation of the Waste Hierarchy and the Nuclear Industry Strategy for Low Level Waste Management across the UK. This dashboard shows key metrics that demonstrate the successful diversion of waste away from direct disposal and the 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
FY2013/14 Summary - Period 7**
These graphs are a summary of the cumulative progress to date against the combined JWMP targets. NB 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.

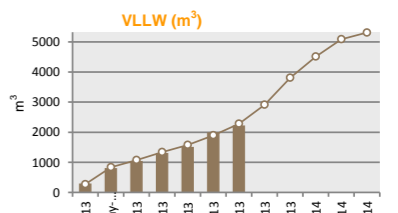
| SLC | Yearly Target | Actual YTD |
|---------------|---------------|-------------|
| SL | 1501 | 1127 |
| MX | 779 | 317 |
| RSRL | 132 | 23 |
| LLWR | 12 | 0 |
| Total: | 2424 | 1468 |



| SLC | Yearly Target | Actual YTD |
|---------------|---------------|-------------|
| SL | 300 | 175 |
| MX | 1542 | 821 |
| RSRL | 264 | 121 |
| LLWR | 0 | 0 |
| Total: | 2106 | 1117 |



| SLC | Yearly Target | Actual YTD |
|---------------|---------------|-------------|
| SL | 1010 | 135 |
| MX | 1699 | 1023 |
| RSRL | 2542 | 1068 |
| LLWR | 60 | 0 |
| Total: | 5311 | 2227 |



Sellafield Ltd 1

JWMP Targets 2013/14

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

Metallic:

| | Yearly Target | Actual YTD |
|------------------|---------------|-------------|
| Onsite treatment | 801 | 665 |
| Via framework | 700 | 462 |
| Out of Scope | 0 | 0 |
| Total: | 1501 | 1127 |

Combustible:

| | Yearly Target | Actual YTD |
|------------------|---------------|------------|
| Onsite treatment | 0 | 0 |
| Via framework | 300 | 175 |
| Out of Scope | 0 | 0 |
| Total: | 300 | 175 |

VLLW:

| | Yearly Target | Actual YTD |
|------------------|---------------|------------|
| Onsite treatment | 3791 | 0 |
| Via framework | 1010 | 135 |
| Out of Scope | 0 | 0 |
| Total: | 1010* | 135 |

* Target only applies to VLLW via the framework

Magnox Ltd 2 3 4 5 6 7 8 9 10 11

JWMP Targets 2013/14

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

Metallic:

| | Yearly Target | Actual YTD |
|------------------|---------------|------------|
| Onsite treatment | 194 | 1 |
| Via framework | 585 | 189 |
| Out of Scope | 0 | 127 |
| Total: | 779 | 317 |

Combustible:

| | Yearly Target | Actual YTD |
|------------------|---------------|------------|
| Onsite treatment | 68 | 32 |
| Via framework | 1474 | 789 |
| Out of Scope | 0 | 0 |
| Total: | 1542 | 821 |

VLLW:

| | Yearly Target | Actual YTD |
|------------------|---------------|-------------|
| Onsite treatment | 0 | 0 |
| Via framework | 1191 | 856 |
| Out of Scope | 508 | 167 |
| Total: | 1699 | 1023 |

RSRL 12 13

JWMP Targets 2013/14

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

Metallic:

| | Yearly Target | Actual YTD |
|------------------|---------------|------------|
| Onsite treatment | 31 | 11 |
| Via framework | 101 | 12 |
| Out of Scope | 0 | 0 |
| Total: | 132 | 23 |

Combustible:

| | Yearly Target | Actual YTD |
|------------------|---------------|------------|
| On site disposal | 0 | 0 |
| Via framework | 264 | 121 |
| Out of Scope | 0 | 0 |
| Total: | 264 | 121 |

VLLW:

| | Yearly Target | Actual YTD |
|------------------|---------------|-------------|
| Onsite treatment | 0 | 0 |
| Via framework | 2542 | 1068 |
| Out of Scope | 0 | 0 |
| Total: | 2542 | 1068 |

LLWR Ltd 15

JWMP Targets 2013/14

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

Metallic:

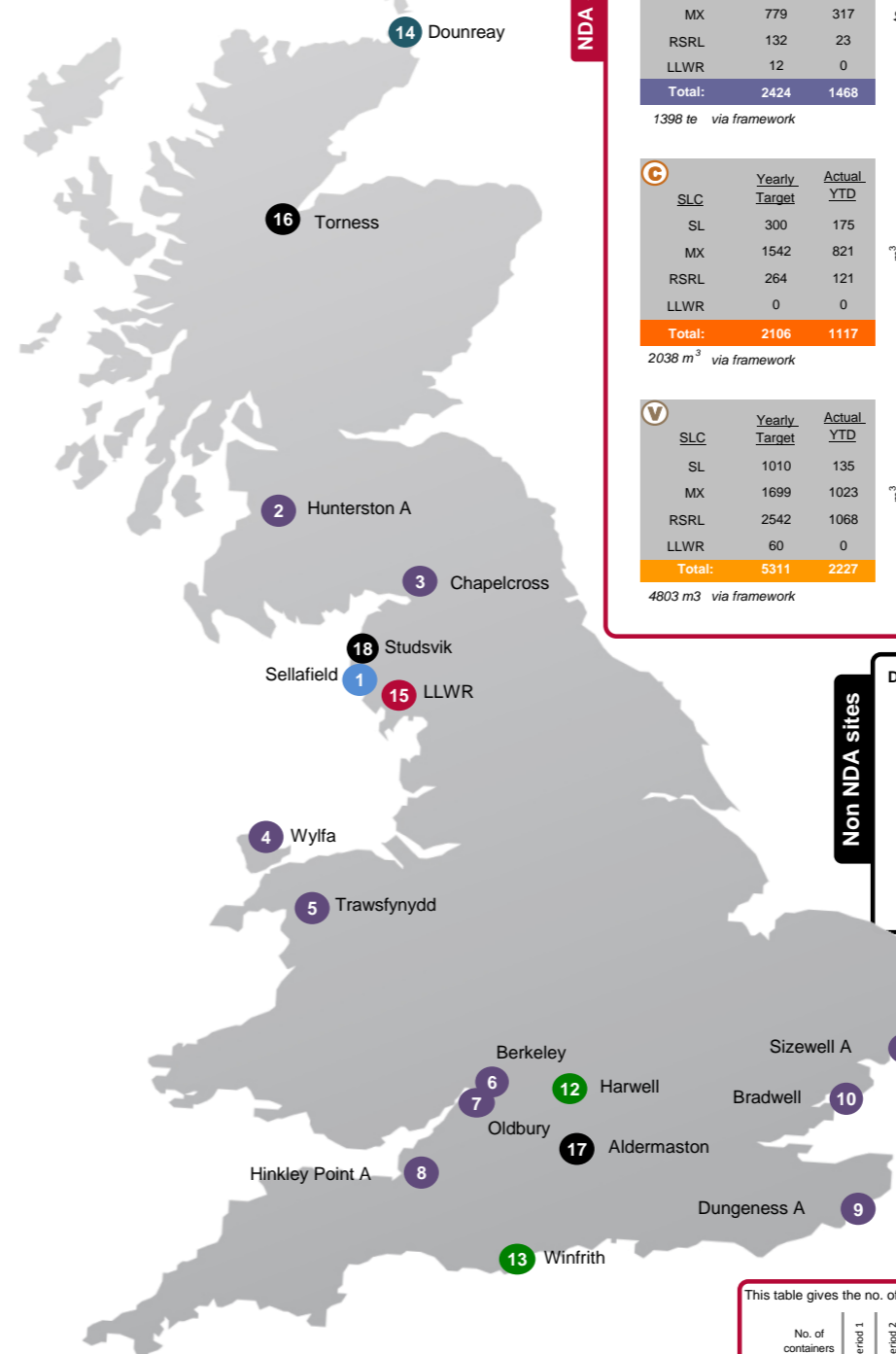
| | Yearly Target | Actual YTD |
|------------------|---------------|------------|
| Onsite treatment | 0 | 0 |
| Via framework | 12 | 0 |
| Out of Scope | 0 | 0 |
| Total: | 12 | 0 |

Combustible:

| | Yearly Target | Actual YTD |
|------------------|---------------|------------|
| On site disposal | 0 | 0 |
| Via framework | 0 | 0 |
| Out of Scope | 0 | 0 |
| Total: | 0 | 0 |

VLLW:

| | Yearly Target | Actual YTD |
|------------------|---------------|------------|
| Onsite treatment | 0 | 0 |
| Via framework | 60 | 0 |
| Out of Scope | 0 | 0 |
| Total: | 60 | 0 |



Non NDA sites

Diversion totals from Non-NDA sites (YTD)

| | Studsvik | AWE | EDF | Energy | URENCO | Inutech | MOD Clyde | MOD Devonport | Unitech |
|---------------|-----------|-----------|----------|----------|----------|----------|-----------|---------------|----------|
| M | 0 | 45 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| V | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totals | 13 | 50 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

Totals: **M 47 te**, **C 5 m³**, **V 19 m³**



LLW Disposed

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

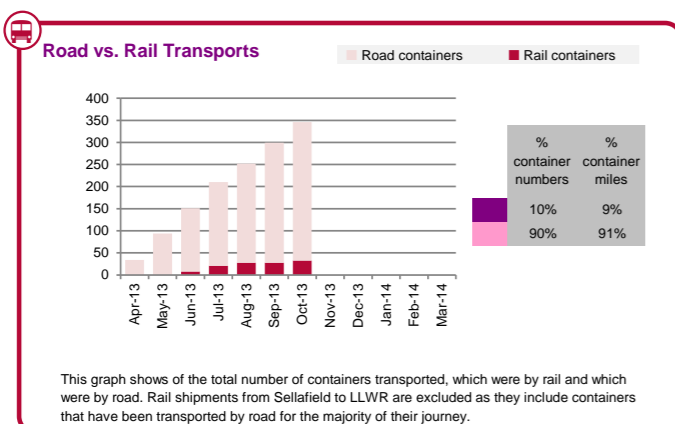
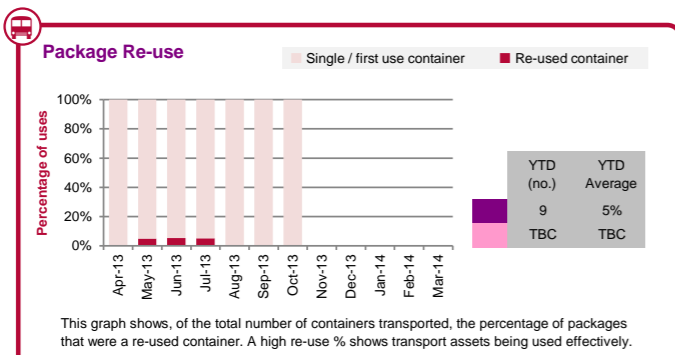
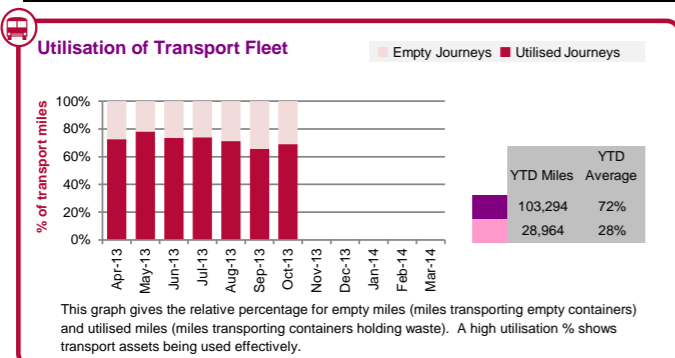
| No. of containers | Period 1 | Period 2 | Period 3 | Period 4 | Period 5 | Period 6 | Period 7 | Period 8 | Period 9 | Period 10 | Period 11 | Period 12 |
|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|-----------|-----------|
| SL | 0 | 8 | 20 | 16 | 12 | 20 | 3 | - | - | - | - | - |
| MX | 4 | 0 | 1 | 2 | 0 | 0 | 0 | - | - | - | - | - |
| DSRL* | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | - | - | - | - |
| RSRL | 4 | 1 | 0 | 0 | 0 | 1 | 0 | - | - | - | - | - |
| LLWR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - | - |
| Others** | 5 | 4 | 3 | 1 | 0 | 2 | 11 | - | - | - | - | - |
| TOTAL | 13 | 13 | 24 | 19 | 14 | 23 | 14 | 0 | 0 | 0 | 0 | 0 |

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

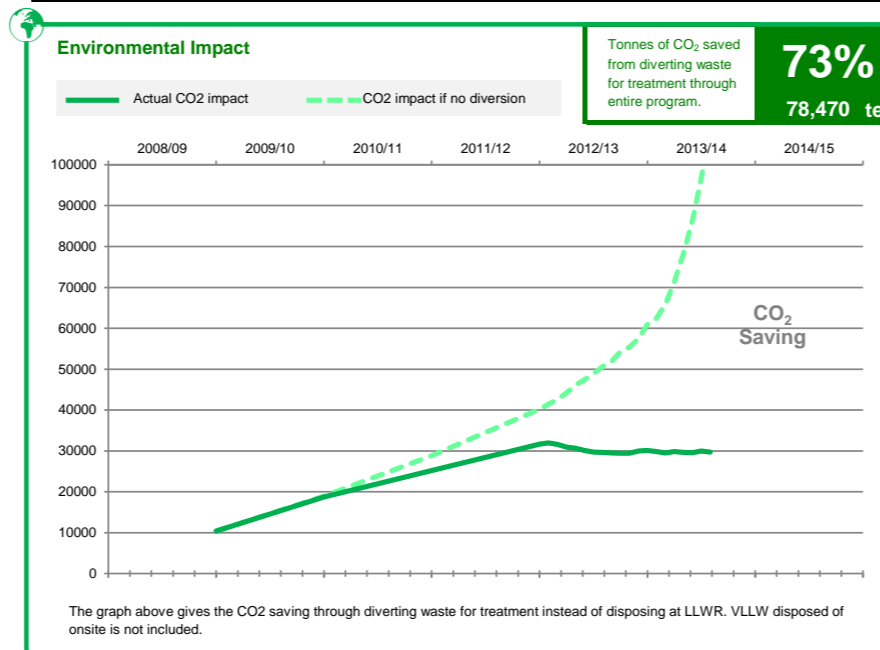
Footnotes

*Metallic waste has been converted to raw volume assuming 10te per Half Height Isofrnight container (HHISO) and a HHISO volume of 19.5m³. The same volume has been used to convert LLW container numbers to raw volumes.
** Period 7 Dashboard includes updated targets from SLC's JWMP 5 submissions.

Transport and Packaging



Safety Environment and Assurance



RIDDOR/OSHA

RIDDOR and OSHA are measures of reporting safety incidents.

| Quarter in FY | 13/14 | Q1 | Q2 | Q3* | Q4 |
|----------------------------|-------|----|----|-----|----|
| Transport RIDDOR1 | 0 | 0 | 0 | 0 | 0 |
| Repository RIDDOR1 | 0 | 0 | 0 | 0 | 0 |
| Repository OSHA (TRIR**)*2 | 0 | 0 | 0 | 0 | 0 |

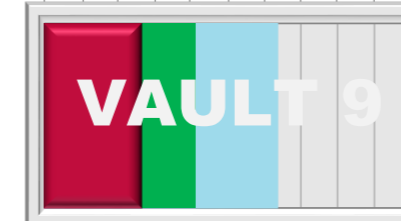
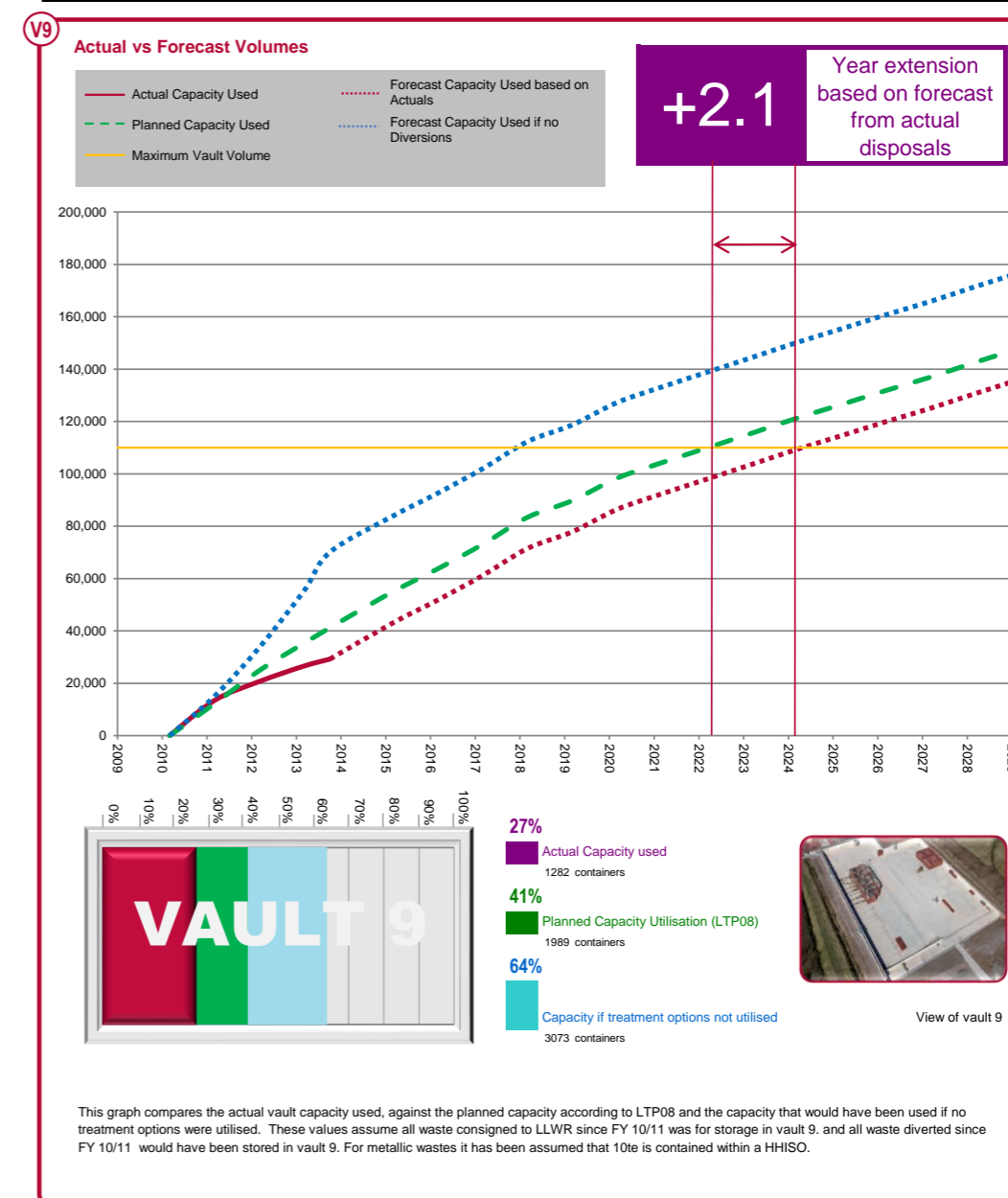
* Quarter 3 figures as at the end of Period 7 **TRIR (Total recordable incident rate)

Supply Chain Non Conformance

| Period | Apr-13 | May-13 | Jun-13 | Jul-13 | Aug-13 | Sep-13 | Oct-13 | Nov-13 | Dec-13 | Jan-14 | Feb-14 | Mar-14 |
|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| No. of non-conformances YTD | 6 | 0 | 4 | 4 | 3 | 1 | 0 | | | | | |
| Average no. of non-conformances YTD | 2.57 | | | | | | | | | | | |

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

LLWR Vault 9 Capacity



27% Actual Capacity used
1282 containers

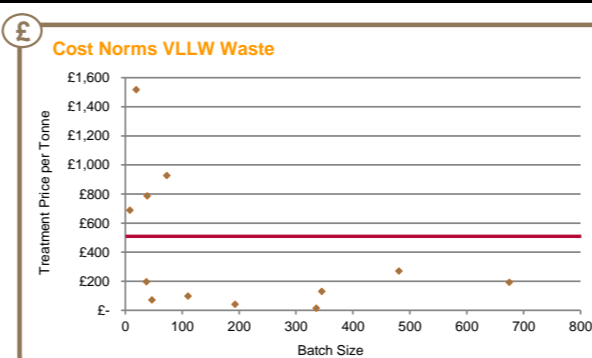
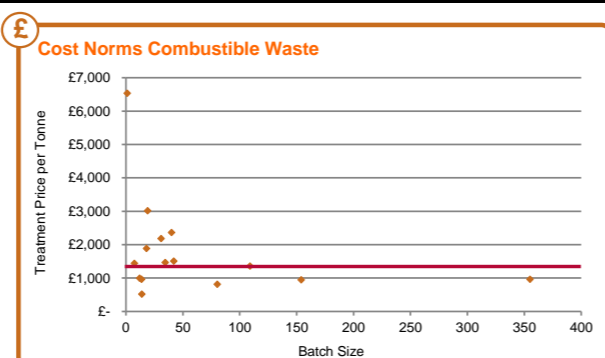
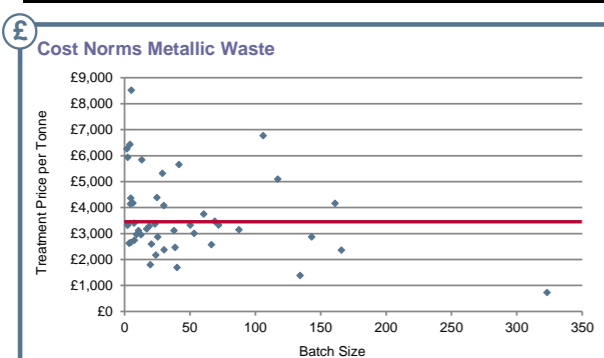
41% Planned Capacity Utilisation (LTP08)
1989 containers

64% Capacity if treatment options not utilised
3073 containers



View of vault 9

Cost Norms



Usage of Waste Routes

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 | ● | ● | ● | ● |
| | Dungeness A | ● | ● | ● | ● |
| | Hinkley Point A | ● | ● | ● | ● |
| | Hunterston A | ● | ● | ● | ● |
| Magnox Ltd | Oldbury | ● | ● | ● | ● |
| | Sizewell A | ● | ● | ● | ● |
| | Trawsfynydd | ● | ● | ● | ● |
| | Wylfa | ● | ● | ● | ● |
| | Harwell | ● | ● | ● | ● |
| RSRL | Winfrith | ● | ● | ● | ● |
| | LLWR | ● | ● | ● | ● |
| DSRL | Dounreay | ● | ● | ● | ● |

National Waste Programme | Key Achievements This Quarter

Quarter 2 Milestones 2013/2014

- ✓ LLWR to agree scope and boundaries for B726 waste handling facility
- ✓ Sellafield Ltd to review MRF operations and determine if current operations represent best value against supply chain options
- ✓ Magnox Ltd incineration study involving the strategic review of on-site assets against supply chain capabilities
- ✓ Sellafield Ltd to determine scope of sort/seg/size reduction capability through peer assist event

Quarter 3 Milestones 2013/2014

- ✓ Review of environmental permits across all Magnox sites
- ✓ Complete LLW Fingerprint Review
- ✓ Undertake aggregated WEF for metallic wastes
- ✓ Alternative HHISO Project: Fabricate prototype concrete HHISOs for testing