

09/08 PERFORMANCE



Dounreay Site
Restoration Ltd

Site clean-up performance report for
September 2008

www.dounreay.com

URANIUM RECOVERY PLANT HITS REPACKING TARGET

The Fuel Cycle Area's uranium recovery plant has achieved its mid-year target of repacking 35 legacy drums.

A total of 64 drums of intermediate and low level radioactively contaminated waste from historic operations remain to be dealt with by the plant.

The work is carried out in a specially designed glovebox in the facility. The waste is removed from the drums by operators using remote-handling tools. If necessary it is size-reduced, monitored on one of the plant's activity-counting apparatus and then repacked into new drums according to its level of radioactivity.

Items identified to be low level waste are packed into metal drums and sent to the waste receipt assay characterisation and supercompaction facility. There they are squashed down to a fifth of their



original size for storage in ISO containers.

The intermediate level waste is packed into alkanthene drums overpacked by galvanised metal drums and placed in a dedicated retrievable store.

“As a result of the repacking operations, we have managed to reduce the number of drums of intermediate level waste that need to be stored,” said DSRL's facility project manager David Manson. “This represents a big saving in space as well as

financially.”

Repacking of all the legacy drums is on target for completion by September 2009.

1 9 8 months until shutdown



PROGRAMME PERFORMANCE REPORT

September 2008

PROGRAMME DELIVERY

Schedule Performance Index (SPI)

Year to-date	Year-end forecast
0.94	0.99

* SPI measures work actually carried out against the agreed NDA schedule.

Cost Performance Index (CPI)

Year to-date	Year-end forecast
1.03	1.01

* CPI measures the cost of work actually carried out against the forecast agreed with the NDA. A figure of 1.0 equals the cost agreed - greater than one reflects efficiency gains.

Performance Based Incentives (PBI)

Year to-date	Year-end maximum forecast for project delivery
£837k	£4.16 million

* PBI are agreed milestones with NDA which result in payment of fee.

PRODUCTION

Exempt waste removed from site:

September	2008 - 2009
15.6 tonnes	212 tonnes

Low-level waste processed for disposal:

543 drums	2268 drums
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Raffinate liquor converted to solid intermediate-level waste:

73 drums	213 drums
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HEALTH & SAFETY

Number of reportable radiological events:

0	0
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Number of events on International Nuclear Event Scale:

0	0
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Average radiation dose (calendar year to date) to DSRL staff:

0.08 mSv

Maximum individual radiation dose (calendar year to date) to DSRL staff:

1.79 mSv

Average radiation dose (calendar year to date) to non-DSRL staff:

0.06 mSv

Maximum individual radiation dose (in calendar year to date) to non-DSRL staff:

1.59 mSv

Number of Lost Time Accidents:

0	1
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Total Recordable Incident Rate:

0.15

Compares injury and illness rates per 20,000 hours worked

RIDDOR reportable occurrences:

2

Hours worked since last LTA:

0.81 m

ENVIRONMENT

Events reported to regulator:

0	0
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Radiological discharges as proportion of authorisation:

Reported quarterly on the website

Amount of paper recycled:

10,740 kg

Amount of metal recycled:

39,448 kg

Amount of cardboard recycled:

3,640 kg

Particles recovered from local beaches:

2 (Total 117)

PEOPLE

DSRL (full time equivalents):

941.8

Sub-contractors (number of passes held):

1179



Dounreay's cementation plant restarted cementation process operations this year, following an extensive remediation programme.

The plant receives highly radioactive raffinate (a liquid by-product of fuel reprocessing), and conditions

it chemically, before immobilising it in drums of cement, to make it passively safe for long-term storage. The whole procedure is carried out remotely inside heavily shielded cells.

The plant had been shut down in September 2005 following a

spillage of raffinate and cement powder contained in the cell.

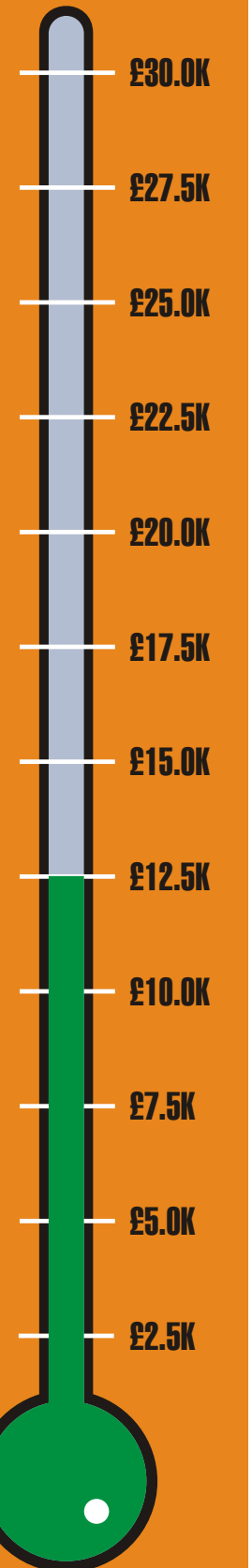
During the clean up, workers were hampered by the high levels of radioactivity, and the need to work in extremely confined areas wearing bulky air-fed suits.

However, once the contaminated equipment and cement residues inside the cell had been removed, and the cell washed down with water, the activity level dropped considerably.

During the plant's shut-down, the workforce took the

opportunity to install upgraded systems and equipment in the plant.

UKAEA donates £2500 to Dounreay Communities Fund for each month without a Lost Time Accident (LTA)



Total = £12,500

SAFETY

There were two RIDDOR reportable events in September. The first occurred when a breathing air supply failed. The failure was the result of a poorly formed soldered joint that should have been a brazed joint.

The second event occurred when a DSRL lorry made contact with overhead power lines while collecting a load in Dorset. There was no signage to indicate that the cables were below the minimum height and the contact resulted in power loss to a number of buildings.

OFFSHORE PARTICLES PROJECT

The offshore particles retrieval work has now ended due to the weather. An estimated area of 16,500m² was covered, and a total of 55 particles removed from the sea bed. It resumes next spring.



SOCIO-ECONOMIC PLAN PUBLISHED

DSRL published its 2008/09 socio-economic plan.

NEW PROGRAMME MANAGER

Andy Malkin joined Dounreay as the site's new programme manager.



Andy Malkin

EAQA AUDIT

The site had a successful EAQA audit, allowing re-certification to ISO9001, ISO14001 and OSHAS 18001.

CONTRACT SIGNED

DSRL signed a £13m contract with BNS Nuclear Services for maintenance and operations during fast reactor decommissioning.



CAITHNESS CONFERENCE

DSRL's socio-economic team supported the second Caithness Conference which was held on 29 September. It was attended by First Minister Alex Salmond.



Alex Salmond

FORSS BUILDINGS

DSRL has given up the lease of its buildings at the Forss Industrial Park. Two of these have now been occupied by staff from UKAEA Ltd.

ELECTRICAL EFFICIENCY

A team has been formed to find greater efficiency in how the site uses electricity. It follows a forecast rise in electricity charges from £2.7m to £4m this year.

VISITS

During September the site hosted visits from:

- representatives of the Hunterston Site Stakeholder Group;
- representatives from the Idaho National Labs;
- representatives from ITER (International Thermonuclear Experimental Reactor) Fusion.

FCA

Investigations continue into the source of the elevated levels of activity detected on routine nose-blow samples. Controlled re-entries into the building were undertaken.