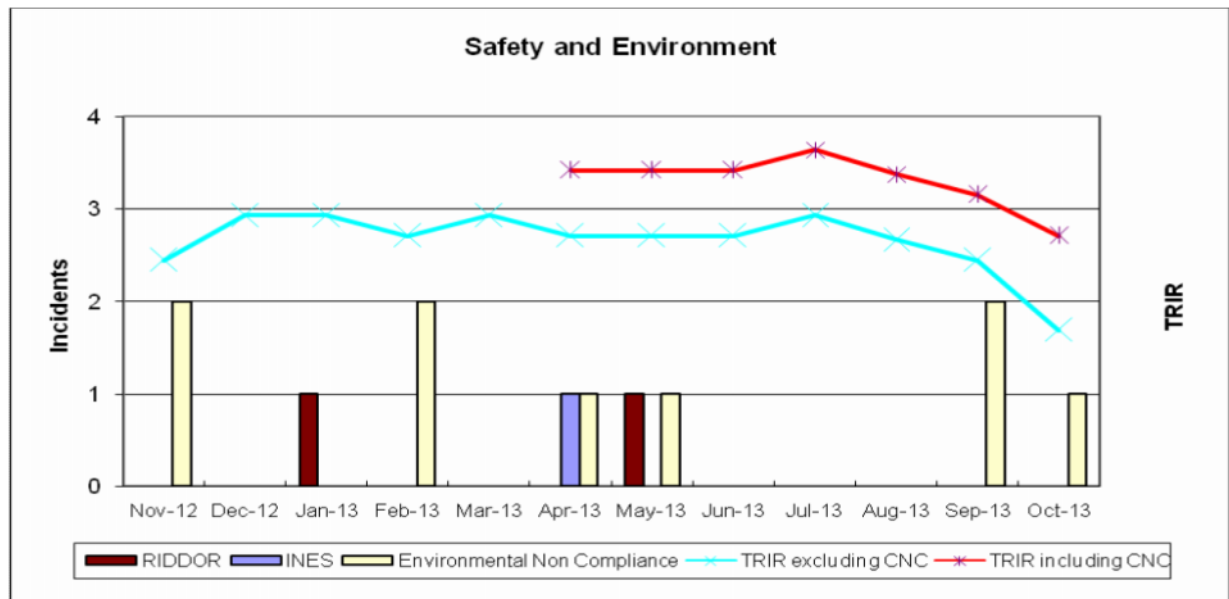


# Dounreay Report

## Progress report up to end October 2013

### Health, Safety, Security and Environmental Performance



- No RIDDOR reports incidents during August to October.
- The DACR and TRIR have improved to 0.41 and 0.61 respectively. There was one TRIR injury during October relating to a CNC employee being bitten by a dog. Medication was prescribed making this a Medical Treatment case.
- DSRL successfully completed a surveillance audit on the ISO 9001, 14001 and OHSAS 18001 Standards.

### General

- The Babcock Dounreay Partnership was renamed Cavendish Dounreay Partnership (CDP) on 28<sup>th</sup> October 2013.
- CNC are carrying out firearms training exercises at the east end of the Dounreay site. The training will continue through December.
- Construction has commenced on the new CNC firing range.

### Structures Formally Known as Reactors (SFKaRs)

#### Dounreay Materials Test Reactor (DMTR)

- Preparation for bulk low level waste and intermediate level waste decommissioning has commenced.
- Control room decommissioning is now complete.

**Dounreay Fast Reactor (DFR)**

- Inactive trials and operator training on the DFR pond liner wall concrete saw have been completed off site at T3uk in Janetstown.
- NaK optimisation drilling operations are now complete. Five of the seven dip legs are now fitted into the hot traps for draining the NaK.
- Trials and training has commenced for pond concrete cutting activities. The old crane on the pond transporter is currently being removed.
- Strip out of the Control Room commenced with required equipment being re-routed.

**Prototype Fast Reactor (PFR)**

- Characterisation of the reactor core centre guide tube has been completed.
- Removal of the post incident clean-up system ductwork (at 23 level) is complete.

**Fuel Cycle Area Decommissioning**

- **D1203:** The thorium transfer line has now been removed.
- **D1206:** Characterisation work in the medium active cell and the window 3 replacement is now complete.
- **D1211:** Construction of cover building is well advanced with the frame erected and cladding nearing completion. Offsite fabrication of the ventilation plant is on schedule for delivery in November.
- **D1213:** Redundant header duct decommissioning is now complete.
- **D1251:** Asbestos removal is now complete and remediation of the sentencing tank bund has commenced. The mortuary remediation is complete and work has commenced on the pre-demolition soft strip activities.

**Shaft/Silo Decommissioning**

- Mock up trials at Janetstown continue with integrated waste retrieval mock up trials.

The Low Active Drain has been successfully commissioned with road access diversion for milliscreen complete.

**Waste and Fuels**

- To date, eleven shipments of fast reactor breeder material have been delivered safely to Sellafield and seven shipments of waste has been returned to Belgium.
- The **Waste Management Licence** for Dounreay was received at the end of August. Implementation is being progressed.
- **MTR Raffinate:** This has now been transferred to the tank for onward transfer to the cementation plant for processing. The completion of MTR raffinate immobilisation is expected to be completed by early November 2013.
- **Low Level Waste:** Concrete works on the access ramps on both vaults are now complete as is the flood barrier installation. The main access road grade preparation is now ready for surfacing. Construction is forecast to be completed on 19<sup>th</sup> December 2013. Waste placement will begin when the site receives its new RSA Authorisation, expected to be in March 2014.

- **WRACS:** The WRACS supercompactor arrived on site on 21<sup>st</sup> October. It was lowered through the roof and is now sited onto the base plate. Project remains on schedule to be operational at the end of March 2014.

### Environmental Restoration

- **Particles:** DSRL has informed SEPA their intention to cease monitoring beaches at Dunnet. The Particles Retrieval Advisory Group report is still awaited.
- Zone 1B characteristics report and plans have been submitted to the regulators. In addition the soil vapour survey and sampling is now complete.

### Schedule performance

At the close of Period19 (October 2013), the Project had an overall schedule performance index of 0.95 and a cost performance index of 0.94. This is improvement from last period. The schedule variance to date at the Site Level is -£11.4M and the forecast year end position is -£12.9M.

There have been no Category 0 Baseline Changes incorporated into the Baseline this month, but £6,952k has been expended on changes which are currently being progressed. When these changes are taken into account, the schedule performance index remains at 0.95 and the cost performance index improves to 0.97. Overall project completion is 14%.

### Staffing

	FTE Target	FTE Actual /Forecast
Current	974.99*	921.5**
YE Outturn	-	974.99

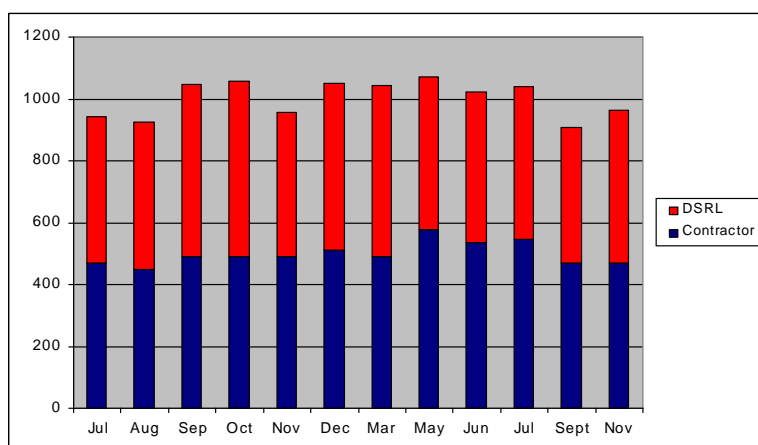
\* target is 974.99 DSRL employees (full time equivalent) (839.99 DSRL / 135 agency workers)

\*\* includes actual 776.5 DSRL FTE employees and 145 agency staff

During October 2013 there were

- 2.8 resignations
- 0.6 Retirement

### DSRL/Contractor site access data



Note that the DSRL staff numbers are lower than the FTE data because on any given day there are certain groups of staff not on site, for example – long term sick, maternity leave, those working off site (Dounreay.com) etc.

### **Procurement update**

- The Shaft Intervention Platform (SIP) contract has been awarded to Oxford Technologies. The preferred contractor has been selected for the silo roof cutting consultancy.
- The Invitation to Tender (ITT) for beach monitoring collaborative procurement with Sellafield has been completed.
- Following the completion of a recent competitive tendering exercise, there are now new Framework Agreements in place for Building, Civils, Minor Dismantling & Demolition Services. The new Framework Agreements come into place on 14 October 2013 and are in place for a 4-year period until 15 October 2017. GMR Henderson, John Gunn & Sons, Lagan Construction, MM Miller and Pentland Construction have been awarded the framework contracts.

Dounreay Site Restoration Ltd  
4<sup>th</sup> November 2013

**GLOSSARY**

<b>Abbreviation</b>	
DACR	Days Away Case Rate
DCP	Dounreay Cementation Plant
DSRL	Dounreay Site Restoration Ltd
EIA	Environmental Impact Assessment
ES	Environmental Statement
IFBS	Irradiated Fuel Buffer Store
IFC	Irradiated Fuel Cave
LLLETP	Low Level Waste Effluent Treatment Plant
LLW	Low level waste
LTA	Lost Time Accident
mSv	milli Sieverts
NDP	NaK Disposal Plant
OJEU	Official Journal of the European Union
ONR	Office for Nuclear Regular
PBO	Parent Body Organisation
PCP	Project Control Procedure
PFR	Prototype Fast Reactor
PSR	Preliminary Safety Report
RIDDOR	Reporting of injuries, Diseases & Dangerous Occurrences Regulations.
RSA	Radioactive Substances Act
SEPA	Scottish Environment Protection Agency
SID	Sodium Inventory Destruction Plant
TRIR	Total Recordable Incident Rate