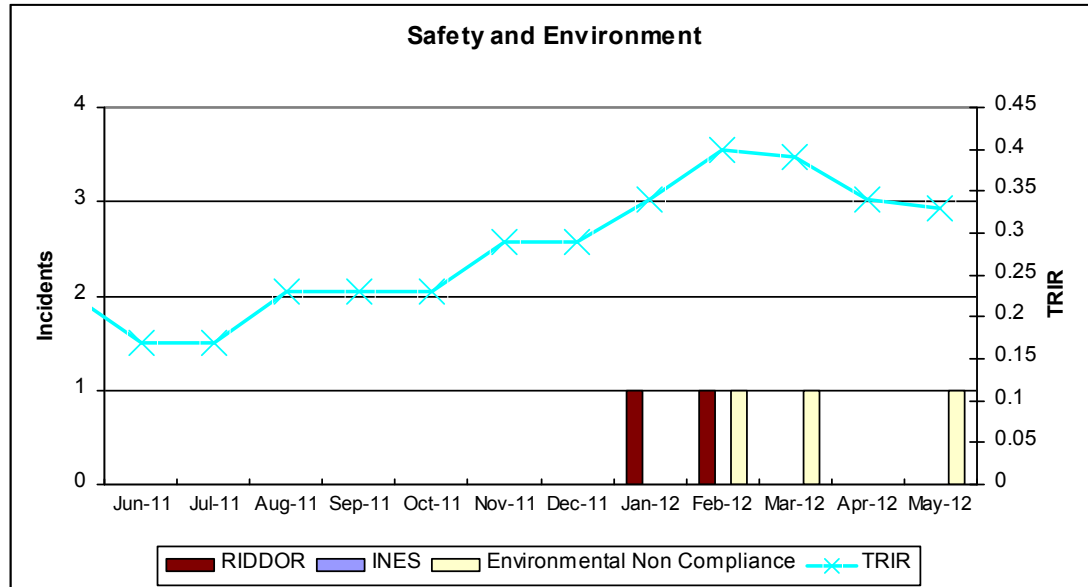


DOUNREAY PROGRESS REPORT Up to Period 02 - May 2012

Health, Safety, Security and Environmental Performance



Accomplishments

- On 31st May 2012 the site had achieved 105 days (1.01 million man-hours) without a lost time accident.
- No reportable incidents during May 2012:
 - Reporting of Injuries, Diseases & Dangerous Occurrences Regulations (RIDDOR).
 - Lost Time Accidents
 - Occupational Safety & Health Administration (OSHA)
- The Total Recordable Incident Rate (TRIR) for rolling year has slightly improved at 0.33 due to increased contractor numbers.
- Days Away Case Rate (DACR) remained the same at 0.17.
- The highest radiation doses for DSRL & Contractor personnel (up to end of April) was 1.29 mSv and 1.58 Sv respectively. This is in line with expectations.
- The Dounreay 'Lock Down' procedure was successfully exercised on 4th May with a few minor learning points identified.

Upcoming Work Activities

- Revisions to the proposal for a reduced environmental monitoring programme were submitted to SEPA at the end of May. The focus now is to ensure the necessary management and delivery arrangements are in place to transition to the revised programme when the new Radioactive Substances Act (RSA) Authorisation takes effect.

Consolidation Status and Update

- Work continues on transferring the details of the BDP bid to the site programme office to further consolidate the performance plan.
- Work continues on establishing the Performance Based Incentives (PBIs) and Change Controls (Category 0).

Accomplishments

- Lifetime plan performance plan and contract baseline is now established within DRL systems.
- The change control for carry over work was completed and is currently under review.
- Performance Based Incentives for period 2 have all been delivered to schedule and are currently being reviewed by NDA.
- Sanction and validation process presented to DSRL Executive Committee who approved work to produce a sanction plan.
- Management of Change 241 has been approved and implemented.
- Management of Change 226 - Post Closure Review is being undertaken.

Upcoming Work Activities

- Further Change Controls (Cat 0) are being developed for submission to the NDA.
- The Basis of Estimate (BoE) which underpins information to support Lifetime Plan (LTP) Compliance is being compiled and structured.
- Overhead Value Analysis activities have now into Phase 2. The report & recommendations are due to be finalised by end of September 2012.
- Support to project teams in understanding basis of estimate & adherence to charging practices is ongoing.
- Risk and contingency approach is being implemented and tested.
- Management of Change submission is being prepared.
- Engagement continues with Trade Unions.

Reactors

- A comprehensive radiation survey was completed on the DFR Pond to support lower radiation dose strategies for Pond liner decommissioning.

Accomplishments

- The maintenance outage for the DFR Bulk NaK Destruction Plant (NDP) has been completed. The new Mercury Abatement Plan was delivered to site and installed.
- Four loads of NaK (liquid sodium) wetted steel components have been treated with water vapour nitrogen this financial year in the Sodium Inventory Destruction plant.

Upcoming Work Activities

- The DFR NaK Disposal Plant Import/Export Plant has successfully completed commissioning of the Mercury Abatement Plant. Approx 200 litres of DFR eutectic NaK has been processed.
- At PFR, sodium cleaning operations and size reduction of the Dirty Dump Tank 2 (DDT2) is completed with 7 te of sodium removed, packaged and stored.

Fuel Cycle Area Decommissioning

- Repairs to the D2001 Waste Processing Cell valve are now completed and out of reactor breeder re-canning/waste consolidation operations have recommenced.
- The 'bulk waste' working group continues to discuss technical issues.

Accomplishments

- Man entries continued in the Post Irradiation Examination Cave and remote handled intermediate level waste has been transferred out. The D9875 Filter Cell filters have all been removed and the Sentencing Tanks zine precipitate removal in the east tank is almost complete.
- A Hazard and Operability Study (HAZOP) analysis was completed for the Unirradiated Fuel Characterisation Facility(UFCF) process and the updated Safety & Environmental Overview Report (SEOR) and the Preliminary Safety Report (PSR) have now been submitted for peer review.
- Removal of Cell 5 glove box and closed cooling system was completed in D2670 Marshall Laboratory. Waste from the containment area has been removed and packaged.
- The Residue Recovery Plant (RRP) secondary cooling water strip out is now complete.
- Preparations for the Centrifugal Contactor Facility (CCF) characterisation preparations continue.
- Removal of the east fan guard and erection of the ventilation enclosure was completed in D1209 and D1214 Ventilation Plant.
- The D1230 Fuel preparation fume cupboard decommissioning is now complete.
- Euratom fissile material annual verification was successfully completed.

Upcoming Work Activities

- Zinc precipitate and light sludge removal in D1251 east sentencing tank.
- Erect containment around and commence decommissioning of the High Active Sample Station (HASS) glovebox in D1204.
- Declassification and removal of the fume cupboard containment in D1203.
- Cell hoist long travel repair and Posting in Port heat removal strip out in D1206.
- Erect containments for the Perimeter wall removal of the D1211 Effluent Tanks.

Shaft and Silo

- The draft Silo Letter of Compliance submission is currently being internally reviewed and the draft Shaft Letter of Compliance will undergo review in the next week.
- The procurement strategy is currently being developed.
- The Safety & Environmental Overview Report (SEOR) has been revised and an internal review is now complete.
- The project supports the scheduled Planning Authority submission date of October 2012 for the planning application and accompanying Environmental Impact Assessment / Environmental Statement. An Environmental Impact Assessment scoping opinion has been received from the Highland Council.

Accomplishments

- A gamma inspection of the shaft was carried out and confirmed previous measures which are within anticipated values.

Waste and Fuels

- The Low Level Waste facility construction works continue. Excavations have progressed beyond the half way mark and is now 60% complete. Blasting is now complete and continued excavations is scheduled for completion at the end of July 2012.
- A flask line operations demonstration for the Out of Reactor fuels was given to ONR (Office for Nuclear Regulation) during a visit in May 2012. No issues were raised and ONR were satisfied with performance. Work continues for moving towards the start of active commissioning of the Out of Reactor facility which is expected to commence on 16th July.
- Tank 9 in D1208 which held raffinate has been emptied and 49 drums of raffinate were processed during Period 2 (May 2012).
- Six Radioactive Waste Management Cases are in preparation to submit to regulators for review.
- Site work was initiated for the new analytical laboratory - 36 laboratory modules were fabricated off-site and delivered in July.

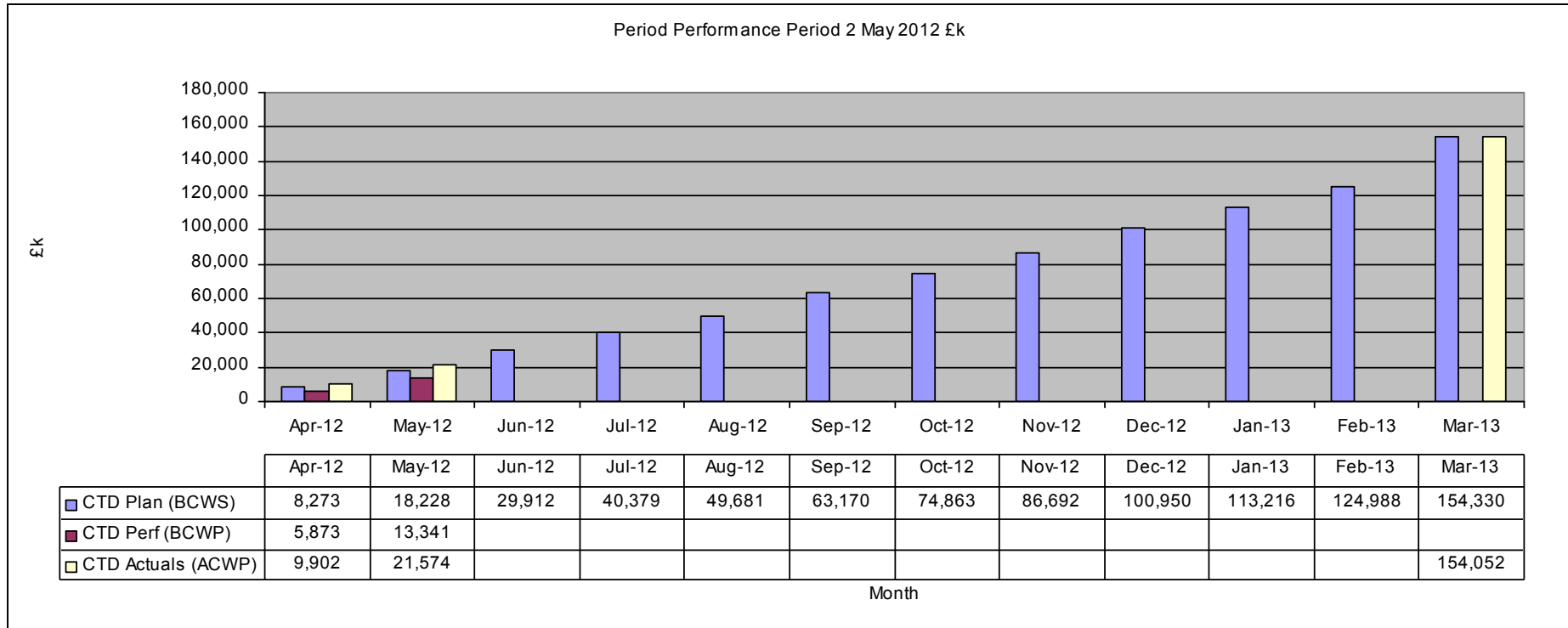
Accomplishments

- Construction works for the new Active Analysis Laboratory with off-site module fit-out is now complete.
- A number of waste initiatives relating to low level waste disposal are being discussed with SEPA.
- Discussions with regulators have been held to provide further information on remote handled intermediate level waste strategy and, in particular, waste packages.
- Contract documents and the scope of work for the replacement compactor for WRACS (Waste, Receipt, Assay, Characterisation and Supercompaction) have now been finalised.
- The Inactive Commissioning Report for D2610 (Out of Reactor facility) was internally approved.

Upcoming Work Activities

- Work continues on transport and logistics for DFR Breeder fuel.
- Installation of the nitrogen control system on the DFR Flask line.
- Currently awaiting NDA's decision on Exotic Fuels Strategy.

Cost/Schedule Graph



Staffing

	FTE Target	FTE Actual /Forecast
Current	933*	906**
YE Outturn	933	933

FTE to include staff, CSW and ASW

*Target includes 848 employees and 85 agency staff (ASW & CSW)

** includes actual 828 for employees and 78 for agency staff

As of May 2012 – DRSL employee stats:

- New starts 0
- Resignations 6
- Dismissals 0
- Vol Early Retirement 1
- Retirement 1
- Death in Service 0

Procurement Update

- Presentations were made by the Head of Commercial on the new SLC Agreement to Dounreay Senior and Management staff.
- The D2179 Grout Plant contract was awarded to Graham Construction on 14 May 2012 with the contract start-up meeting taking place on 23 May 2012.
- DSRL continue to progress contract issues with Security Services Group (SSG) on the Security Enhancements Project (SEP).
- DSRL are in final negotiations with Fontijne on the replacement Supercompactor.
- Contract strategies for Shaft & Silo project are under development as part of the concept design.

Programme Office

- DSRL has produced a Change Control Register in conjunction with the NDA Site Facing Team detailing the number and description of Category 0 changes that will be raised in the first five periods of the consolidation phase. The schedule is managed and monitored at a weekly meeting attended by DSRL and the NDA..