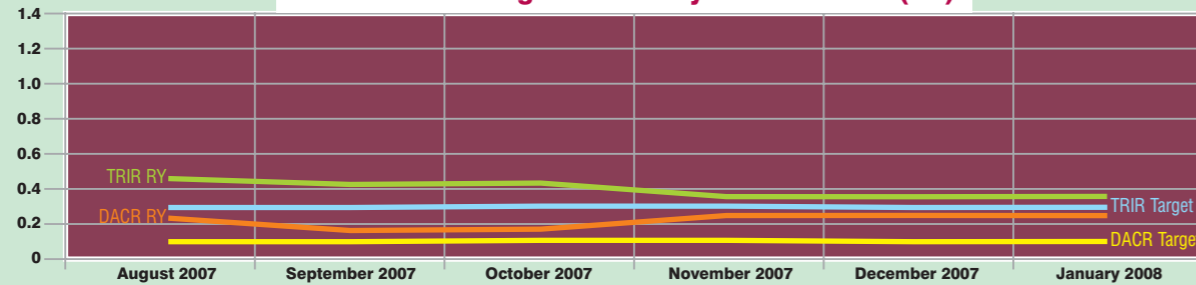


# Downreay

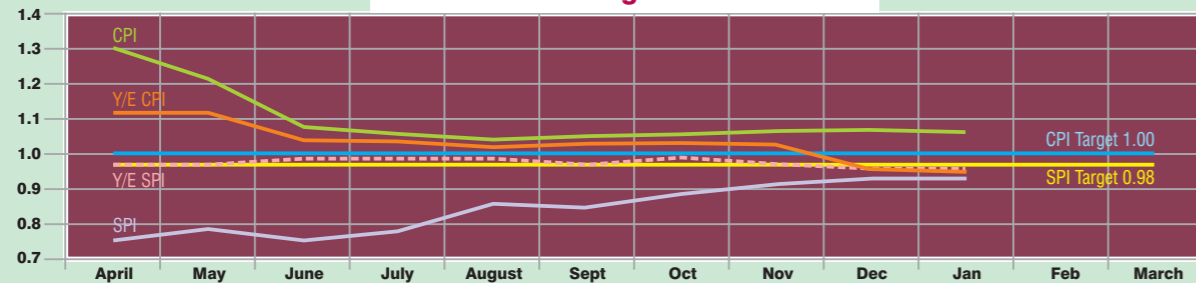


## DECOMMISSIONING UPDATE

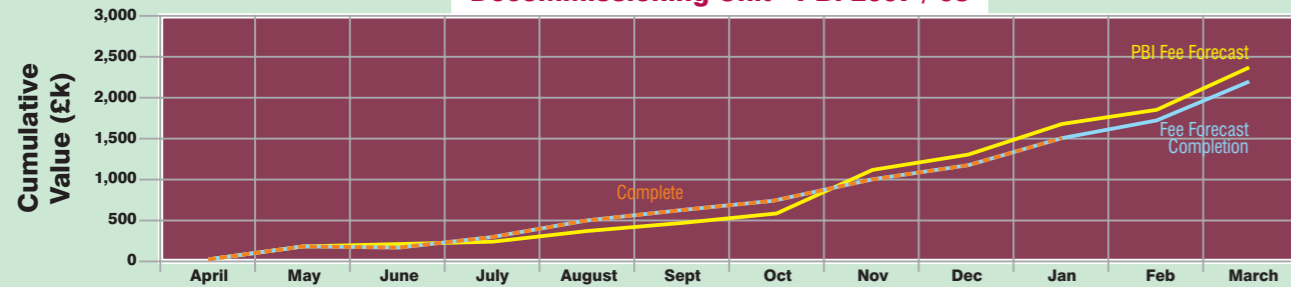
Decommissioning Unit - Safety TRIR & DACR (RY)



Decommissioning Unit - SPI & CPI



Decommissioning Unit - PBI 2007 / 08



### PFR

Highlights for PFR for the third Quarter:-

- 3 year milestone with no LTA's And 2 Year milestone with no TRIR's.
- SID completed first operations load.
- Secondary Sodium Cell strip out, All Tube bundles and associated pipework has been removed and size reduced.
- Heel Pool pump trials complete and ready for deployment
- Nak Bowser transferred to the Reactor hall, and connected up for discharge to SDP
- Absorber trials equipment complete and first Absorber dismantled in IFC.
- Reactor Decommissioning, the following equipment has been removed from under the 14ft floor, above the Reactor:-
  - Grab Change Facility electrical panel from the 14' floor level
  - Argon Gas Blanket Sampling Station, electrical and air-con panels from the mechanical annexe area 0' floor level
  - Secondary sodium flowmeter panels from the reactor top area 0' floor level
  - Rotating shield ventilation fans and ducting removed from below the 14' area of the reactor top.



Nak Bowser in Reactor Hall



SGB&SSC Stripout - Tube Bundle



Absorber tritium trials equipment in PFR IFC mock up

### DFR

- NDP blockages repaired and new level probes fitted into batch tank.
- Active commissioning of NDP begun with first active sample successfully taken from the reactor.
- Transfer tube between sphere and D2160 installed linking old and new facilities for breeder element removal.
- Glovebox and SPIV removed from reactor top to make way for Retrieval Cell equipment being delivered from France.
- Installed new drive systems for the rotating shield drives in the reactor well area.
- Removed contaminated ductwork from below the reactor floor in line with PBI requirements. This is an acceleration task that has been completed ahead of schedule.
- New 80 tonne Flask Handling System installed in D2160 (PBI) to move Magnox flasks. Oil contaminated material and tanks removed from D1110 area and disposal routes agreed.
- Area fully remediated and landscaped.



D1110 External Works Progress



2' 9" Plug Flask Body

### Site Decommissioning

- DCP Recovery work progressing well with cell decontaminated and shield plug reinstated.
- D1202 MTR Fuel Production plant demolished.
- D1251 MTR Fuel Pond liner final liquor removed and decontamination commenced.
- D8550 Fuel Preparation room semi-remote decontamination and demolition being progressed.
- D2001 DFR Breeder Fuel decladding machine commissioned and fuel decladding commenced.
- D9833 Silo cover building demolition complete.
- D1209 Ventilation project NDA review complete and contract awarded.
- D1200 Lab 75 Shielded cell decommissioning complete.

### ILW



D3200 Rotary Screen Trials (at NSG, Chorley)



Virtual Reality simulation of Shaft Intervention Platform by Oxford Technologies, Abingdon



D9833 Silo Crane Dismantling



D1200 Lab 75 Glove-box Dismantling



D1202 Demolition

### Site Services

- Installation of the new Air Sample Counting Laboratory was completed.
- Completion of backup power supply to the D1400 substation.
- Completion of first of two trials of offshore remote recovery systems; successful demonstration by Fathoms; UKAEA report written and delivered to DPAG.
- The new PPE workshop was fitted out and operations transferred.
- Repairs and upgrades were made to the offsite car parks.
- The latest version of the Downreay Integrated Waste Strategy document was produced and issued to the NDA to programme.
- The proposed Low Level Waste disposal facility project has issued the latest version of the Environmental Safety Case for the facility.

### Waste

- Low Active Drain Option studies, non active drain model upgrade and non active drains radiological survey contracts have been let and work is underway on all three.
- Work has commenced on the Manhole 5 liquor recovery facility which will be pumped to the Low Level Liquor Effluent Treatment Plant. This installation will be commissioned and in routine operation by 31st March 2008.
- The interim Low Level Waste Store is now in routine operation with some 10% of overall storage capacity now in use.
- The Waste Receipt, Assay, Characterisation, and Supercompaction (WRACS) Low Level Waste facility has processed over 6000 drums of compactable waste this financial year. In addition the facility recently processed the 40,000th drum in the operational life of the plant demonstrating the reliability of the equipment and the high quality of the staff in the facility.
- The latest version of the Downreay Integrated Waste Strategy document was produced and issued to the NDA to programme.
- The proposed Low Level Waste disposal facility project has issued the latest version of the Environmental Safety Case for the facility.



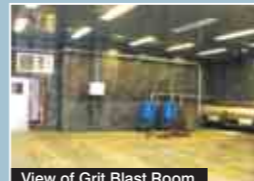
PPE Workshop



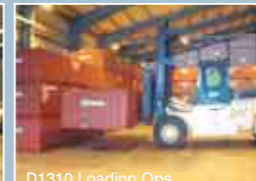
HTF-9 Excavation



ROV



View of Grit Blast Room



D1310 Loading Ops



Manhole 5