

Sellafield Report for the Decommissioning Sub Committee

Safety Reporting Statistics

At the end of quarter 3:

Type of Statistics	Windscale	Zone 1	Zones 2 & 3
TRIR	0.42	0.19	0
Lost Time Accidents (LTAs)	1*	0	0

The LTA at Windscale occurred when a member of staff tripped in an office. This was reported to the Health and Safety Executive under the RIDDOR Regulations. (Reporting of Injuries, Diseases and Dangerous Occurrences Regulations)

Business Statistics

Type of Statistics	Windscale	Zone 1	Zones 2 & 3
Planned Cost of work 08/09	£45.5m	£259.3m	£64.4
Cost Performance Index (CPI)	1.19	1.02	1.03
Scheduled Performance Index (SPI)	0.98	1.01	0.98 (with change control)
Performance Based Incentives (PBIs)	<ul style="list-style-type: none"> 8 out of 18 have been completed to date on or ahead of schedule. 	N/A	N/A
Environmental Objectives 08/09	<ul style="list-style-type: none"> 16 of 30 have been completed to date. 1 milestone is overdue. 14 are not yet due for completion 	<ul style="list-style-type: none"> 3 objectives, all progressing well. None due for completion yet 	<ul style="list-style-type: none"> 4 of 5 complete, 5th currently on target
Events reported to the NII/EA/OCNS	0	0	0

Key Deliverables & Project Progress

Windscale

- **Piles Decommissioning Project**

The design for the Pile Cap Slot Cutting Equipment and Water Duct Gamma Gate has been completed. The purpose built slot cutting equipment will create an opening in the top of the Pile 1 pile cap which will allow the remotely operated decommissioning equipment to enter the Discharge void to commence fuel and isotope removal operations.

The Water Duct Gamma Gate will create a means of equipment access and egress to the Water Duct stub.

The Piles Prototype Liner testing is now complete. During the trials, opportunities to improve the design were identified and implemented through design change control. A report of the trial findings will now be produced.

External borehole survey work in the Pile 1 area has been successfully completed. Forty soil samples from seven external boreholes have been dispatched for analysis.

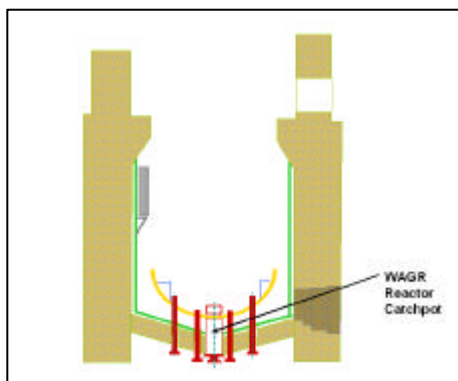
- **Redundant Active Handling Facility Decommissioning Project**

The Redundant Active Handling Facility decommissioning project team has completed a survey of the Long Pin Cutting Cell. The findings of the survey minimises the safety case requirements for the facility.

Civil work also continues to modify the building to allow access and egress, independent of the adjoining facilities.

- **Windscale Advanced Gas cooled Reactor**

The remote clean out of the central catchpot has been successfully completed. The catchpot was expected to be full of fine debris that could be removed by suction, however there were more large pieces of debris than expected and the team had to modify the grab equipment with extended finger grippers in order to reach into the catchpot to pull these items out.



*Cross Section of Windscale Advanced Gas cooled Reactor
(Included in Campaign 9 of 10)*

Zone 1

- **B30**

Work has commenced in B30 on the size reduction and disposal of the old

contaminated Butterfly Skip Handler mast. This is a critical path activity for the sludge retrieval programme.

- **B38**

B38 has now achieved 3 million man hours without an LTA (over 1200 days). The Silos total now exceeds 3.9 million man hours.

- **B41**

Progress on piling for the retrievals facility foundations continues. 56 piles out of 133 have been completed.

- **Sludge Packaging Plant (SPP)¹**

Construction of the North Wall is targeted for completion ahead of schedule.

The 3rd of 4 complete pours is ongoing with 2058m³ achieved to 26/01/09. The 4th pour is scheduled to start 03/02/09 which will achieve the milestone of north wall completion. 7tonnes of rebar was fixed in the last week bringing total to 544tonnes.

Zones 2 & 3

- **Separation Area Ventilation (SAV) Project**

New plant (@£140M) to route the ventilation from the Separation area plants and discharge up a new 120m stack.

Money has been allocated to the project and the construction contract placed, major construction due to start this year, anticipated project completion 2011.

- **B6 Pile Chimney**

Currently refurbishing equipment and re-assessing methodology for decommissioning.

Some weathered and corroded of equipment at the top of the chimney requires removal/replacement.

Contamination on the inside of the chimney is causing a technical challenge and currently we are investigating nitrogen pellet blasting technology to remove the contamination layer.

Anticipate restarting decommissioning this year

- **B204**

Significant internal decommissioning work ongoing including instrument trough removal and services removal

- **B229**

Decommissioning of lab areas continuing

- **Waste**

Average of just under 1500 bags of waste being handled by the waste team each week.

Other Work Areas

Windscale

- Windscale Team are in the final stages of developing the Life Time Plan 09/10 for submission to the Nuclear Decommissioning Authority. The forward programme of work will be reported at the next meeting of the Sub Committee.

Zones 2 & 3

- Future decommissioning development plans finalised and development programmes being established. Work is aimed at reducing the risk to the operator while maintaining waste segregation hierarchy, e.g. Decontamination techniques, remote handling etc.