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Report on Oldbury Activities to SSG

November 2014

Safety and Compliance

Throughout the period, the site has maintained compliance with all operating rules limits and conditions and all maintenance schedule requirements.

Over the past few months the site has been subject to a number of scheduled reviews looking at standards of maintenance and operations. These reviews have been extremely positive, noting the “vibrancy and enthusiasm” of staff, the high standards of housekeeping and excellent plant condition. However, there is no room for complacency at a nuclear facility which is why we focus on the minor findings identified in the reviews in order to ensure we are continually improving our standards.

As usual, we have hosted scheduled inspections from our regulators, covered in their separate reports, as well as a routine inspection from the Radioactive Materials Transport team from ONR.

Plant State

Reactor 2 was shut down 30 June 2011 and Reactor 1 29 February 2012. All control rods are in the cores and electrically and physically isolated. The cores are depressurised and in air. There is no cooling required because the decay heat within the cores is no more than 35kW.



Fifty per cent of the fuel has now been removed from the two reactors, equating to over 26,000 individual fuel elements. We are now the priority defuelling site for the company and are shipping flasks at a nominal rate of two to three flasks/week.

It is estimated that approximately 175 fuel flasks will be required to ship the remaining fuel to Sellafield, with the last flask likely to leave site early in 2016.

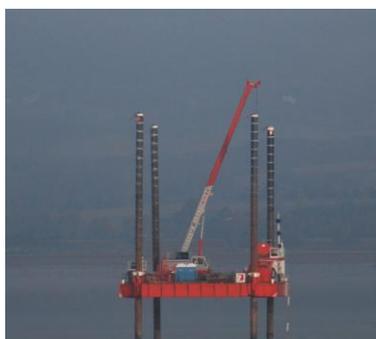
Following defuelling and a period of time to confirm the site is 'fuel free', the site will undergo a further transition and organisational change to move to a decommissioning site. Early preparations for this have commenced, including a number of plant simplification and project activities.

Hazard reduction work continues, including:

- The imminent removal of the requirement for our three 3MW Rolls Royce gas turbines, allowing the removal of 90,000 litres of kerosene
- Removal of bulk chemicals from the redundant main water treatment plant
- The removal of oil from a number of redundant transformers, removing both a fire risk and an environmental risk

Project Update

The biggest project at Oldbury currently is installation of the Alternative Effluent Discharge Line. Having previously relied on the (now redundant) cooling water system to discharge liquid effluent under permit into the estuary, the liquid effluent discharge pipework is now being extended through an existing discharge culvert to the deep water channel side of the site's reservoir. In this manner the liquid effluent will be discharged at high tide ensuring dispersal in accordance with the site's approved and regulated limits.



To enable the discharge pipe to be pulled through the existing culvert a 'jack-up' barge will be positioned on the estuary side of the reservoir wall adjacent to the culvert. The 'jack-up' barge is an 18-metre-square platform when fully assembled with extendable legs lowered and anchored into the estuary rock bed.

The barge will remain in position until the pipework has been pulled through and secured, which is currently scheduled for completion in December this year.

Magnox Transition to a new Parent Body Organisation

The Cavendish Fluor Partnership became the parent body organisation on 1st September 2014, taking over the responsibility for running the Magnox sites from EnergySolutions. We are now in a 'Consolidation Phase' where work is on-going to review existing plans for the company and to combine Magnox and Research Sites Restoration Limited – which consists of Winfrith and Harwell – into a single site licence company.

Socio Economic Support

Across the whole of Magnox we have donated £838,642 to local organisations near to our sites. £14,895 has been donated in the past year to projects around Oldbury. Recent projects we have supported include: STEMworks, 2nd Thornbury Scout group, Oldbury Village Cinema Club and Dursley Rugby Club under 16's.