



Closure Director's Report Dungeness A Site

May 2016



Round-up from the Closure Director Delegate



Following a 'Slips, Trips and Falls' awareness campaign in the previous period, the site has improved on its reporting of hazards, however, in the period, an individual tripped over a sheet of steel plate and received minor injuries to his forehead, nose and hands. The site continues to reinforce situational awareness tools and techniques and early identification and reporting of tripping hazards.

The new **Organisational Structure** was formally implemented on 9 May with the restructuring due to conclude by September 2016.

Magnox continues to support local socio-economic projects. Details on how to apply for funding is at the end of this report.

The **Ponds Programme** has progressed well, with the first successful diving trial and IONSIV cartridges and filters from Reactor one pond have been shipped to Oldbury. A further 10 skips were retrieved from Reactor one pond for Low Level Waste (LLW) co-disposal.

Plant & Structures projects including the bulk asbestos removal project continues to work through the various site areas and will continue until 2018. The Site Security Separation project is complete with the new guard force in operation following successful completion of the ONR-CNS demonstration exercise in February.

The **Waste Projects Programme** priorities include characterisation (ILW and ILW/ LLW borderline wastes sample analysis and reporting). The ILW Conditioning Facility building is now ready for the fitting out with the ILW drying equipment.

A handwritten signature in black ink, appearing to read 'Ian Cuthbert'. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Ian Cuthbert
Closure Director Delegate

1. SAFETY

SAFETY

Following a 'Slips, Trips and Falls' awareness campaign in the previous period, the site has improved on its reporting of hazards. However, in the period, an individual tripped over a sheet of steel plate and received a cut to his forehead and small lacerations to his nose and hands. The individual was taken to hospital via ambulance as a precaution and was discharged the same evening, and returned to work the following morning. The site continues to reinforce situational awareness tools and techniques and early identification and reporting of tripping hazards.

A number of storms hitting the site area over the period have caused damage to buildings. These have been during times of restricted personnel movement or overnight damage. The inclement weather has also impacted site electrical supplies several times. Supplies were restored each time and a permanent resolution is in progress. The new emergency scheme contingency arrangements have been extremely useful in dealing with these scenarios.

Task observations and project safety reviews continue to health check safety performance with some real progress in amending tasks to make them safer and easier for site personnel. Examples include improvements with; work at height activities in sewage pump house confined spaces, the laundry delivery process and ponds skip movements.

ENVIRONMENT

Commissioning of the new package sewage treatment plant has commenced and is planned for the next few months.

The site successfully performed cleaning on the active effluent discharge line and sewage discharge line under the Marine Management License. No activity was detected in the marine growth that was removed.

EMERGENCY SCHEME

On 20 October the site successfully demonstrated its accident and emergency arrangements to the ONR in the form of a Level 1 exercise. Following this, focus has been on refresher training with the site based rescue teams and first aiders on dealing with work at height and confined space accident scenarios.

On 2 February Dungeness 'A' gained approval for Site security separation from Dungeness 'B' following a successful ONR-CNS assurance inspection and demonstration of the new security arrangements. On 16 February, Dungeness 'A' formally separated its security arrangements from Dungeness 'B'. This is a significant change, which includes new access arrangements to the site and new security guard force.

RADIOLOGICAL PROTECTION

Radiation doses to workers remain as low as reasonably practical and below dose estimates. The site is currently trialling the use of divers to decommission the cooling ponds which reduces the dose to workers when compared to normal techniques.

2. SITE AND PROJECT NEWS

PONDS PROGRAMME

The Ponds Programme has made significant hazard reduction progress over the past six months. Intermediate Level Waste (ILW) IONSIV cartridges (14) and filters (4) from Reactor 1 pond have been shipped to Oldbury to consolidate this waste stream along with similar items from Sizewell A. This activity involved re-commissioning the fuel route for flask import and export. The final shipment of two flasks was made on 17 February 2016.

A further 10 fuel skips have been retrieved from Reactor one pond for Low Level Waste (LLW) co-disposal. This brings the total retrieved to date to 55 out of 117 skips.

The preparations for decommissioning activities using divers were completed in Reactor 2 pond. The initial trial phase commenced on 8 March 2016 and completed on 30 April 2016, divers were in the pond water for 39 hours. The scope included deplanting 1.5 tonnes of underwater steelwork, size reduction of two ILW skips using plasma cutting and desludging and cleaning the floor area in the bay.



Diver entering the Pond



Diver Plasma Cutting



Plasma Cutting an ILW Skip

WASTE OPERATIONS PROGRAMME

Between November and April, 7.2 tonnes of contaminated metallic Low Level Waste has been disposed to Studsvik for metallic recycling with around a further 40m³ of combustible Low Level waste sent to Tradebe for incineration. The site has also shipped and disposed of around 70 non radiological waste shipments comprising of mainly metallic and general waste as well as asbestos insulation from the P&S insulation removal project.

Also in this period the Waste Operations team has loaded and disposed off 16 x LLW Ponds skips for co-disposal with INUTEC.

WASTE PROJECTS PROGRAMME

The Waste Projects Programme is responsible for the design, installation and commissioning of the facilities and systems required to perform the retrieval and passivation of Intermediate Level Waste (ILW) at Dungeness A. The objective is to retrieve, package and condition (dry) ILW in Ductile Cast Iron Containers (DCIC) for immediate transport to an Interim Storage Facility (ISF) at the Magnox Bradwell site.

Over the past year the Waste Programme Team has been remobilising and preparing the lifetime plans for ILW processing at the site. In parallel, significant progress has been made with the construction of the ILW Conditioning Facility. The new building is now available for fitting out with the ILW drying equipment and it is expected that the first ILW disposal packages could be produced as early as January 2017. Another achievement has been the characterisation of wet ILW and LLW/ILW borderline wastes. All the necessary sampling was carried out last financial year and the laboratory analysis of the samples is being carried out by NNL at Preston, Lancs.

The scope of waste projects portfolio for this financial year is:

- manufacturing, installation and commissioning of the ILW Conditioning systems;
- design, manufacture, installation and commissioning of the resin retrieval system;
- design, installation and commissioning of a temporary store for IONSIV filters;
- procurement of DCIC transportation and handling equipment; and
- design, installation and commissioning of DCIC storage areas at the newly delivered, retrieved awaiting conditioning and conditioned awaiting disposal stages of the waste process.



The new ILW Conditioning Facility building

PLANT AND STRUCTURES

South Side of Site Clearance

The project physical work is complete with only the paperwork remaining to be closed out.

The bulk asbestos removal project continues to work through the various site areas and will continue until 2018.

Work has progressed with the site rationalisation of its electrical infrastructure, the 195V AC, 110V DC & 50V DC no break supplies have been reconfigured and significantly reduced and now supplies equipment that is still required to allow continued decommissioning and normal operations.

The reduction of the DC no break supplies will allow the removal from site of the 110v DC & 50 DC batteries which will be reflected in a reduction of ongoing maintenance requirements. This rationalisation has completed Phase 1 of the current plan. Phase 2 reduction of the sites 415V AC supplies commensurate with the site ongoing electrical requirements has been taken through the concept design stage Design Authority Review 4 (DAR 4) and the design has been frozen which has allowed equipment orders to be placed in preparation for installation to start.

Asset Management

- Some minor repair work for the final tranche of the Man Access Drains Project has been completed.
- The installation of the New Modular Sewage Treatment Plant has been completed and commissioning is taking place.
- The zinc bromide has been extracted and removed from site.

3. STAFFING

- As of 30 April 2016 there are 168.72 full time equivalent members of staff at Dungeness A. There are also an additional 20 members of staff who have a central role but are based at Dungeness A.
- There are 20 agency supplied workers, 1 contract supplied worker and 24 individuals employed through Framework Agreements.
- The number of contractors fluctuates according to the work being undertaken.
- 17 members of staff left the company through a combination of resignation and voluntary severance between 1 January 2016 up to and including 30 April 2016.

Organisational Restructure

Due to the need to align our operating model to deliver an effective decommissioning programme; the number of positions on the Dungeness staff structure will reduce from 221 to 176.75 positions during 2016. The new structure is due to be formally implemented was 9 May 2016 with the restructuring due to conclude by September 2016.

Staff are continuing to be supported by way of organisational and trade union support, an employee assistance programme and specialist outplacement advice for those leaving the organisation.

4. COMMUNITY RELATIONS

Socio-economic spend from 2015 - 2016

| Organisation | Funding aim | Funding awarded | Description/outcome |
|---------------------------------------|-------------------------|-----------------|---|
| Folkestone Rugby Club under 13's team | Good neighbour | £832 | Magnox branded Kit |
| Sub total | | £832 | |
| New Romney Country Fayre | Sustainable Communities | £1,983 | 6 radios, first aid grab pack, spectator chairs, 3 folding tables, gazebo, bunting, fire blanket, fencing, polo shirts and a gas urn. |
| Sub total | | £1,983 | |
| Marsh Million Fund | Mitigation | £250,000 | Yet to be released. 3rd and final year of funding accrued to 2016/17 |
| Romney Marsh Partnership Co-ordinator | Mitigation | £40,000 | 3 rd year of funding |
| New Romney Business Incubator Units | Mitigation | £33,000 | 3 rd year of funding |
| Marsh Academy | Mitigation | £16,140 | 2 nd year of funding, yet to be released |
| Sub total | | £339,140 | |
| Total | 6 | £341,955 | |

Marsh Million update

The Marsh Million Loan Scheme, launched in September 2013, funded by Magnox Ltd (£500k), Kent County Council (£400k + £66k admin). Shepway District Council £50 and Ashford Borough Council, has now closed for new applications. It has approved 27 loan applications totalling £402,443. The Economic Project Scheme section has awarded 10 grants totalling £499,988. A review of how the money from the repayment of loans will be undertaken in the coming months.

Applications for funding in 2016/17 have already been received. Please note that Good Neighbour funding is capped at £6,000 per site. To date four applications have been successful:

| Organisation | Funding aim | Funding awarded | Description/outcome |
|-------------------------------------|-------------------------|-----------------|--|
| Warehorne Village Hall | Good neighbour | £450 | School Stage Lighting Kit with additional controllers etc. |
| Dymchurch & District Heritage Group | Good neighbour | £1,000 | Purchase of Heritage plaques for buildings on the Heritage Trail |
| Marsh ink | Good neighbour | £500 | Towards cost of writing workshop |
| Sub total | | £1,950 | |
| Varne Boat Club | Sustainable Communities | £2,385 | Purchase of two paddle boards and two buoyancy aids. Plus seven accredited safety and instructor training courses. |
| Total | | £4,335 | |

Magnox's socio-economic approach

Magnox is committed to providing and enabling socio-economic support for the communities in which it operates in-line with the requirements of the Energy Act 2004 to mitigate the effects of decommissioning on the surrounding communities and develop opportunities for socio-economic development.

How to apply for funding

Go to <http://www.magnoxsites.co.uk/about-us/community/> or click on www.magnoxsocioeconomic.com to access the socio-economic web portal where you can apply for funding. Please read the funding guidelines and other documentation to assist you with your application and to make sure your project meets the required criteria.

Magnox Socio-economic Development Plan 2016-19

The Magnox Socio-economic Development Plan 2016 – 19 is expected to be issued in May 2016.

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