



Closure Director's Report Dungeness A Site

January 2019





Round-up from the Closure Director

In line with the company values and safety improvement plan to deliver a 'Target Zero' approach to safety, the site has been actively promoting monthly themed campaigns including Chemical Safety, Display Screen Equipment and Quality. There has been over 950 days without a lost time accident.

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

The Ponds Programme: Pond drain and decontamination activities have continued. Total pond drain is now 96 per cent complete with the floors of the transfer duct now exposed in both ponds. The Standby Bay in R2 Ponds has been fully decontaminated. Completion of the decontamination is forecast April 2019.

Plant & Structures: the bulk asbestos removal project continues which is now planned to complete in December 2019. A business case is to be produced for the removal of the Boiler Annexes, Drum Houses, Boilers, Blower Halls and the Central Control Block.

Waste Projects: The design phase for the project that repackages the resin currently stored in three Pathfinder DCIC's is now substantially complete. Enabling works are progressing well with the Fill House building complete.

A handwritten signature in blue ink, appearing to read 'P. Wilkinson'.

Paul Wilkinson
Closure Director

1. SAFETY

SAFETY

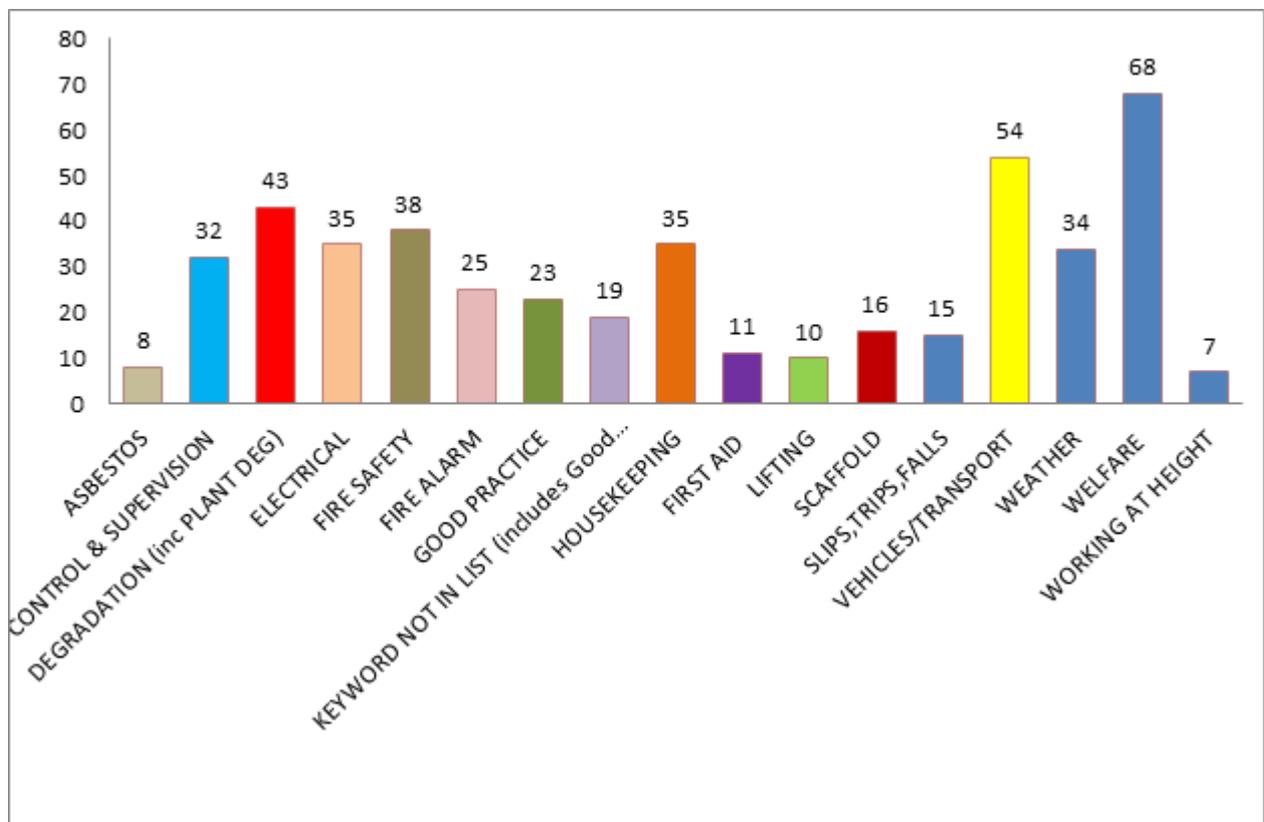
In line with the company values and safety improvement plan to deliver a 'Target Zero' approach to safety, the site has been actively promoting monthly themed campaigns including Chemical Safety, Display Screen Equipment and Quality. The site has also been continuing to promote its own initiative of 'Think BiG' – Brains in Gear and has built a Target Zero company-wide campaign for launch in February labelled 'Compacency is your enemy'. The site has now exceeded 950 days since its last Lost Time Accident. The safety team continue to explore new and innovative ways to successfully engage the workforce and keep people safe in their work.

Project Safety Reviews and Task Observations in the field continue to be of a good standard. The reporting culture on site remains strong with 1,035 event reports submitted over the last year.

There have been three events of conventional safety significance in the period; an elevator left in an unsafe condition - stuck between floors with the doors open, a stuck fire exit door next the Mosaic painting enclosure and a contractor spotted dismantling a ladder onto the welfare building roof unattached to his fall arrest system. Event trends and improvement actions continue to focus on site welfare, fire safety, plant degradation and transport safety.

There has been four work related accidents requiring first aid in the period. The Days Away Case Rate (DACR) and Total Recordable Incidents Rates (TRIR) remain at zero.

The chart below shows the keyword areas in which learning capture forms have been raised over the last 12 months at Dungeness A:



RADIOLOGICAL PROTECTION AND ENVIRONMENT

Radiation doses remain as low as reasonably practical and below dose limits. The total dose received by all persons throughout 2018 is showing close correlation to that predicted.

Following the warning letter regarding control of waste material on site received from the Environment Agency, a number of improvements to site processes have been implemented.

The Site has recently made an application to the Environment Agency to vary the radiological EPR permit to include a number of additional gaseous discharge routes as a result of upcoming project work. It is also expected that a variation will be submitted in the New Year for a change to the conventional effluent discharge permit to include the new Modular Active Effluent Treatment Plant as an authorised discharge route.

EMERGENCY SCHEME

Dungeness A has held the following exercises in the last three months:

26/09/2018 – Exercise Astute – Armed Incursion Desktop Exercise

16/10/2018 – Exercise Vigilant - Armed Incursion Desktop Exercise

30/10/2018 – Joint Safety and Security Exercise (Insider & Injury within the RCA)

27/11/2018 – Work at Height Rescue / First Aid – Suspension Trauma Exercise

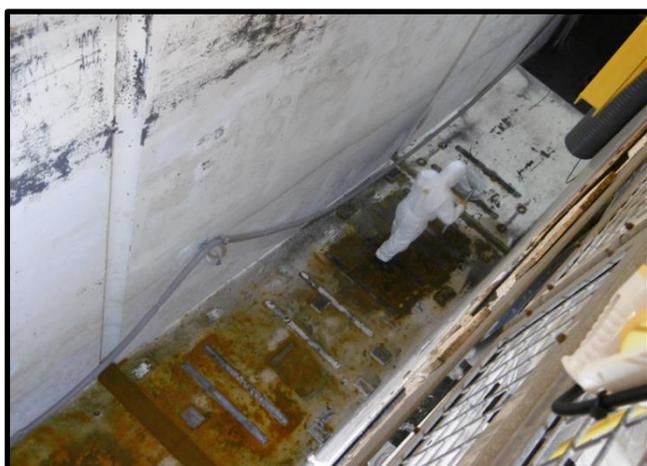
04/12/2018 – Joint Safety and Security Exercise (Insider & Injury within the RCA)

The site plans to demonstrate to the company assessment team its ability to manage a joint safety and security scenario in February 2019. Training and exercising will continue for the Site through 2019.

2. SITE AND PROJECT NEWS

PONDS PROGRAMME

Pond drain and decontamination activities have continued since the last report. Total pond drain is now 96 per cent complete with the floors of the transfer duct now exposed in both ponds. The Standby Bay in R2 Ponds has been fully decontaminated. Completion of the decontamination is forecast April 2019.



R2 Pond Floor Decontamination

To enable full decommissioning of the Site's Active Effluent Treatment Plant (AETP) an alternative contaminated water treatment facility is required. Since the last report, a Modular Active Effluent Treatment Plant (MAETP) has been installed on Site. A new discharge line is currently being installed and it is forecast that the whole system will become operation in May 2019.



Installation of the MAETP

WASTE OPERATIONS PROGRAMME

The Waste Operations Programme is responsible for the management, processing, conditioning and off-site disposal of all higher and lower activity waste generated at site. This also includes the conventional waste the site produces.

From the beginning September until the end of December 2018, the Waste Operations Programme processed and disposed of the following waste:

One contaminated combustible waste shipment has been processed and dispatched to Veolia for incineration (24.6m³)

One contaminated metal waste shipments have been processed and dispatched to Cycliffe (4.8 tonne)

154m³ of Very Low Level Waste (VLLW) Asbestos has been processed and shipped to Auegan.



A further 121 non radiological waste shipments have been disposed of, comprising of mainly asbestos and metal/general waste.

High Activity Waste Operations

The Advance Vacuum Drying System (AVDS) plant has now been handed over to Waste Operations and the 'active commissioning' process is in the final stages.

49 MOSAIKs have been filled to date with ILW resin and conditioned through the AVDS which has been completed during the 'active commissioning' process.

The third and fourth rail shipments of 9 MOSAIKs each have been transported to Bradwell for storage in their Interim Storage Facility (ISF). This brings the total sent to Bradwell to date 36.



The scope of work for the up to the end of December 2018 is as follows:

- Processing and disposal of two contaminated metallic waste shipments (6.4te)
- Processing and disposal of a further two contaminated combustible waste shipment (55m³)
- Disposal of a further 250m³ of VLLW contaminated asbestos insulation and cladding
- Retrieval and conditioning of 18 MOSAIKs containing ILW Resin
- A further 27 MOSAIKs transported to Bradwell for Interim Storage

WASTE PROJECTS PROGRAMME

Resin

The design phase for the project that repackages the resin currently stored in three Pathfinder DCIC's is now substantially complete. Preparations for enabling works are underway and expected to commence in the New Year. This project has also taken on new scope to provide a facility for transferring ponds sludge from cuboidal DCIC to MOSAIK@s ready for conditioning and disposal.

The Borderline Wet Waste project has commenced the design phase of the project.

Sludge and Sand

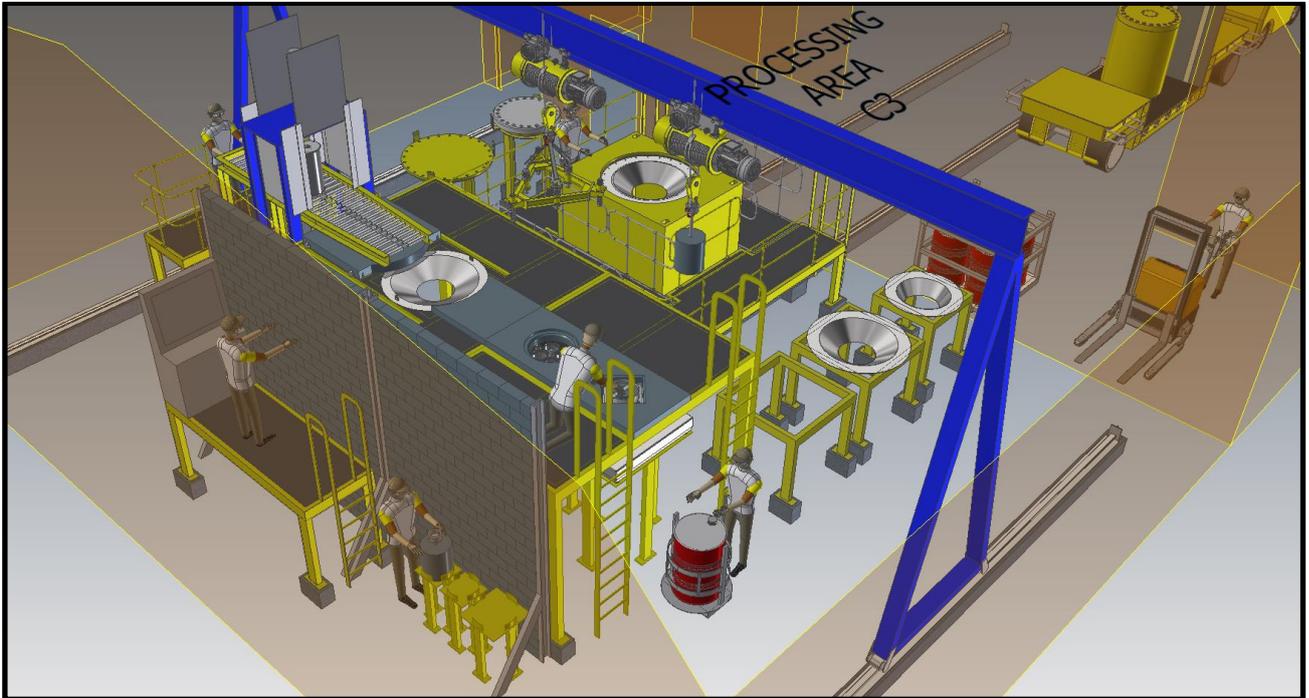
Enabling works are progressing well with the Fill House building (see pictures) complete. The Fill House building on site fit-out will continue in the New Year.



The new fill house building

Miscellaneous Contaminated Items (MCI)

The concept design for the Waste Transfer Area is complete. This is where Miscellaneous Contaminated Items (MCI) and Miscellaneous Activated Components (MAC) will be taken for sorting, segregating, size reduction and packaging in to DCICs for conditioning. The contract with Nuvia for the design phase is progressing well.



3D view of the waste transfer area

PLANT AND STRUCTURES

Boiler house asbestos removal

The bulk asbestos removal project continues with restraints being fitted to the pipe spring hanger supports which are badly corroded this enables safe access back into the areas to allow the asbestos strip project to progress.

The schedule shows asbestos removal work is now planned to complete in December 2019

Staffing levels on the project remain constant at 120 persons.

To date the project has managed to remove 80 tonnes of Very Low Level Waste (VLLW) asbestos waste 32 tonnes of VLLW metal cladding and of 230 tonnes of clean asbestos waste.

Boiler annexe removal

Two of the annexes that show the worst degradation have been revisited by Structural Engineers for a revalidation of the structural and conditions within the annexes. This survey is intended to confirm the remaining operational life of the Boiler Annexes and Drum Houses

A business case is to be produced for the removal of the Boiler Annexes, Drum Houses, Boilers, Blower Halls and the Central Control Block.

Project Engineers are investigating the electrical isolations of the Boiler Annexes.

STAFFING

As at 31 December 2018, there are 131.71 full time equivalent (FTE) members of staff at Dungeness A Site. There is also an additional 32.88 FTE who have a central role but are based at

Dungeness A.

- There are 55 agency supplied workers and 22 individuals employed through Framework Agreements or as contract supplied workers.
- The number of contractors fluctuates according to the work being undertaken.
- Since the last report to 31 August 2018, there have been six leavers (one resignation and five who left on Selective Voluntary Severance - SVS).

3. COMMUNITY RELATIONS

Socio-economic scheme

Successful applications for Dungeness A from 1 April to 20 December 2018

Organisation	Funding awarded	Description/outcome
Turn the Tide Festival	£1,000	Dymchurch event supporting a number of classes, workshops and events.
Dymchurch Players	£1,000	Upgrade to lighting system.
Jam on the Marsh	£4,590	Photographic equipment and classes for local students, Tour of Romney Marsh Churches, Artist's Workshop as part of the 10 day event.
Lydd Club Day 2018	£852	Banners, radio mics and traffic cones
Rye Christmas Festival	£1,000	Lantern making workshops for local schools
Strange Cargo	£10,000	Contribution towards the publication of "Everywhere Means Something to Someone. The People's Guidebook to the Romney Marsh" (subject to Heritage Lottery Funding of £60,000)
Light up New Romney 2018	£300	Towards lantern making materials.
New Romney Country Fayre	£2,854	Provision of equipment to support this event for the next three years including tables, barriers, gazebo, lifting equipment and generator.
IMOSH Foundation	£1,000	Towards the Armistice Centennial installation at the Hope All Saints ruined church in New Romney.
Total awarded to date	£22,596	

Magnox has again been allocated £977,678 for socio-economic support across the twelve sites for 2018/19. As in previous years, £6,000 has been earmarked for each site for Good Neighbour Applications (up to £1,000).

Please go to <http://www.magnoxsites.co.uk/about-us/community/> or www.magnoxsocioeconomic.com to access the socio-economic web portal where you can apply for funding.

When you login, please read the 'Can I Apply' guidance before applying or if you would like to discuss a potential application for Good Neighbour funding please contact Steve Payne, steve.j.payne@magnoxsites.com

For applications over £1,000 contact Haf Morris, haf.e.morris@magnoxsites.com, 01797 343549