



Office for Nuclear Regulation (ONR) Quarterly Site Report for Dungeness A

Report for period 1 January 2017 – 31 March 2017

Foreword

This report is issued as part of ONR's commitment to make information about inspection and regulatory activities relating to the above site available to the public. Reports are distributed quarterly to members for the Dungeness Site Stakeholder Group and are also available on the ONR website (<http://www.onr.org.uk/lrc/>).

Site inspectors from ONR may attend Dungeness Site Stakeholder Group meetings and will respond to any questions raised there. Any person wishing to inquire about matters covered by this report should contact ONR.

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1 INSPECTIONS

1.1 Dates of inspections

The ONR site inspector made planned inspections on the following dates during the quarter: 7 to 9 March 2017.

2 ROUTINE MATTERS

2.1 Inspections

Inspections are undertaken as part of the process for monitoring compliance with:

- the conditions attached by ONR to the nuclear site licence granted under the Nuclear Installations Act 1965 (NIA65) (as amended);
- the Energy Act 2013;
- the Health and Safety at Work Act 1974 (HSWA74);
- regulations made under HSWA74, for example the Ionising Radiations Regulations 1999 (IRR99) and the Management of Health and Safety at Work Regulations 1999 (MHSWR99);
- The Nuclear Industry Security Regulations (NISR) 2003.

The inspections entail monitoring licensee's actions on the site in relation to incidents, operations, maintenance, projects, modifications, safety case changes and any other matters that may affect safety. The licensee is required to make and implement adequate arrangements under conditions attached to the licence in order to ensure legal compliance. Inspections seek to judge both the adequacy of these arrangements and their implementation.

In this period a system-based inspection was conducted on the waste remediation projects currently in place on the site. The two main projects are the Advanced Vacuum Drying System (AVDS), which will be used to de-water the fuel element debris and prepare intermediate level waste for interim storage in the Bradwell Interim Storage Facility (ISF), and the work in the ponds cutting up and removing the old submerged skips.

The AVDS plant is adequate to deliver its safety functions as defined in the safety case. The plant has incorporated aspects taken from operational experience on other plants at Bradwell and has been completed to a high standard. When inspected it was in its inactive commissioning phase and no safety issues were identified. A minor action was raised for the licensee to improve the auditable trail linking limits and conditions for safety identified in the operating procedures to where they were derived in the safety case. This action will be followed up as routine business by the site inspector during future interactions with the licensee.

The ponds project is maintaining safe and efficient progress. Diving operations have moved from pond 1 to pond 2 and progress at remediating the storage skips is continuing to schedule. Identical arrangements have been implemented at pond 2 to those inspected and approved previously by HSE's specialist diving inspectors.

2.2 Other work

No significant assessment work was undertaken in the period at Dungeness A.

3 NON-ROUTINE MATTERS

Licensees are required to have arrangements to respond to non-routine matters and events and report significant events to ONR. ONR inspectors judge the adequacy of the licensee's response, including actions taken to implement any necessary improvements.

In this period, an incident on the site was reported to ONR by Site A where a lump of concrete, approximately four inches in diameter, fell from height near to some workers; no one was injured. Inspection of the boiler cells and boiler annexes revealed that the condition of the bulk concrete structure was sound and it is likely that the piece came from a small localised area of spalling concrete associated with a wall joint. Although the immediate safety concerns have been addressed by restricting access and providing dropped object protection measures in the affected area, Magnox Ltd is currently working on a programme of work to consider whether further remedial action may be required. This programme will be monitored as part of routine inspection activities.

4 REGULATORY ACTIVITY

ONR may issue formal documents to ensure compliance with regulatory requirements. Under nuclear site licence conditions, ONR issues regulatory documents, which either permit an activity or require some form of action to be taken; these are usually collectively termed 'Licence Instruments' but can take other forms. In addition, inspectors may issue Enforcement Notices to secure improvements to safety. No Licence Instruments or Enforcement Notices have been issued during the period.

Reports detailing ONR's regulatory decisions can be found on the ONR website at <http://www.onr.org.uk/pars/>.

5 NEWS FROM ONR

New reactors update:

- ONR received a request from Government to begin the Generic Design Assessment process for the UK HPR1000 in January. The reactor is now in Step 1 of the GDA process.
- On 30 March, ONR issued Design Acceptance Confirmation for the AP1000@nuclear reactor, designed by Westinghouse. The regulators required 51 GDA issues to be resolved before confirming suitability of the design.
- ONR granted its first consent for the start of construction at Hinkley Point C licensed site. The consent covers the placement of the structural concrete for the first nuclear safety-related structure at the site.
- On 31 March, Horizon Nuclear Power submitted its application for a nuclear site licence to build and operate two UK Advanced Boiling Water Reactors at Wylfa Newydd on Anglesey.

Quarterly statement of civil incidents

ONR published its quarterly statement of civil incidents reporting on the period October-December 2016. There was one incident which met ministerial reportable criteria at Dounreay involving contamination of workers' clothing. There was no detectable intake of radioactive material by any of the people involved in the incident.

Regulation Matters magazine

Insight into ONR's work as an independent regulator of the nuclear industry can be found in Regulation Matters. This quarterly online publication (<http://www.onr.org.uk/regulation-matters.htm>) reports on the key themes and developments in each of ONR's regulatory programmes and provides an update about the on-going changes at ONR. For the latest news and updates from ONR, you can also visit the website and sign up for our e-bulletin: <http://www.onr.org.uk/index.htm>.

6 CONTACTS

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Published April 2017

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