



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

Report for period 1 January – 31 March 2015

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/llc/>).

Site inspectors from ONR usually 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 inspection

The ONR site inspector made inspections on the following dates during the quarter:

- 12-15 January
- 9-12 February
- 2-5, 11 & 31 March

The site inspector was accompanied by other ONR specialist inspectors as follows:

- 13-14 January - Electrical engineering specialist inspector
- 15 January – Management systems specialist inspector
- 9 February – Electrical engineering specialist inspector
- 10 February – Two radioactive waste specialist inspectors
- 10-11 February – Fuel specialist inspector
- 3-4 March – Mechanical engineering specialist inspector
- 3-4 March – Civil engineering specialist inspector
- 31 March – Heysham 2 site inspector
- 31 March – Nuclear security inspector

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); and
- 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 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 the 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, routine inspections of Dungeness B covered the following:

- examination, maintenance, inspection and testing;
- management of operations including control and supervision;
- staff training, qualifications and experience;
- incidents on the site;
- radioactive waste management;
- organisational changes;
- quality assurance and records;

During the period system based inspections at Dungeness B covered the following systems:

- Electrical systems with battery back up
- Fuel cooling ponds

In general, ONR judged the arrangements made and implemented by the site in response to safety requirements to be adequate in the areas inspected. However, where improvements were considered necessary, the licensee made satisfactory commitments to address the issues, and the site inspector will monitor progress during future visits. Where necessary, ONR will take formal regulatory enforcement action to ensure that appropriate remedial measures are implemented to reasonably practicable timescales.

2.2 Other work

The site inspector attended the Dungeness Site Stakeholder Group Meeting on 22 January 2015

3 NON-ROUTINE MATTERS

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

There were no such matters or events of significance during the period.

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' (LIs), but can take other forms. In addition, inspectors may issue Enforcement Notices to secure improvements to safety.

- The following LIs and Enforcement Notices have been issued during the period:

Modification to allow installation of bursting discs

The concrete reactor pressure vessels have safety relief valves to protect them from excessive CO₂ gas pressure during infrequent plant faults. In the event that the gas pressure in the vessels reached a pre-determined value, these would open to allow CO₂ gas to vent to atmosphere and hence reduce the pressure inside the reactor vessel.

In some infrequent plant faults the filters in the relief valve vessels could block, which would stop the valves being able to vent the reactor gas. The licensee therefore identified the need to install bursting discs in the valve vessels which allow the reactor gas to bypass blocked filters. In accordance with licence condition 22 Modification or Experiment on existing plant the licensee required ONR's formal acknowledgement to fit these, which was provided by us issuing LI 546.

Table 1
Licence Instruments and Enforcement Notices Issued by ONR during this period

Date	Type	Ref No	Description
03/03/15	Licence Instrument	546	Acknowledgement of the safety case to install bursting discs in the reactor gas safety relief valve vessels

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

5 NEWS FROM ONR

Insight into ONR's work as an independent regulator of the nuclear industry can be found in ONR's Quarterly News. The online publication (<http://www.onr.org.uk/onr-quarterly-report.htm>) reports on the key themes and developments in each of ONR's regulatory programmes and provides an update about the ongoing changes at ONR. <http://www.onr.org.uk/index.htm>. For the latest news and updates from ONR visit the website and sign up for our ebulletin (<http://www.onr.org.uk/ebulletin/index.htm>).

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