



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

Report for period 1 April - 30 June 2014

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 Sizewell sites stakeholder group and are available on the ONR website (<http://www.onr.org.uk/lrc/>).

Site inspectors from ONR usually attend Sizewell sites 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:

29 April – 2 May 2014

3 – 5 June 2014

2 ROUTINE MATTERS

2.1 Inspections at Sizewell B

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 compliance inspections covered the following:

Licence condition 10: Training

Licence condition 23: Operating Rules

Licence condition 24: Operating Instructions

Licence condition 27: Safety Mechanisms

Licence condition 28: Examination, Inspection, Maintenance and Testing

Licence condition 34: Leakage and escape of radioactive material and radioactive waste

Overall, the licence compliance arrangements were found to be adequate and it was judged that they were being implemented appropriately. 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.

In addition to our program of site licence compliance inspections, we are now inspecting operating reactors based on safety related systems. Each site has a safety case, which identifies the important aspects of operation and management required for maintaining safety. For Sizewell B, the key systems important to nuclear safety will be inspected against the requirements of the safety case. We plan to inspect all the safety significant systems over a five-year period. ONR considers that this will provide additional assurance that operations on the site are safe.

During the reporting period, the following systems were inspected:

- Fuel Pond Cooling and Clean-Up Systems

The fuel pond cooling and clean-up systems normal operation is to remove spent fuel decay heat from the fuel storage pond, maintain the water clarity and reduce radiation dose rates to operators. This system was found to meet the requirements of the safety case and is being adequately maintained and operated.

2.2 Other work

During this period the ONR site inspector attended the quarterly Sizewell Sites Stakeholder Group (SSG) meeting and presented an overview of ONR regulatory interventions for the Quarter 1 reporting period 1 January to 31 March 2014.

As part of its arrangements to ensure independence, ONR changes its Nominated Site Inspectors on a periodic basis. During this period the ONR Sizewell B Nominated Site Inspector role was also formally handed over to a new inspector. The hand over allows the incoming inspector to be introduced to senior managers within the licensee's organisation and; also, to be apprised of the site's regulatory position.

Dry Fuel Store

EDF Energy is in the process of constructing a new dry fuel store facility on the Sizewell B licensed site that is funded through the Nuclear Decommissioning Liabilities Fund managed by the Nuclear Decommissioning Authority. ONR continues to engage with the Sizewell B project delivery teams to monitor the safe delivery of the store and associated modifications. During this period ONR project and specialist inspectors issued agreement for construction of the dry fuel store, under site licence condition 19 and modifications for fuel and container handling, fuel building crane under site licence condition 22 (see section 4 below for details).

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.

4 REGULATORY ACTIVITY

ONR inspectors, specialist inspectors and HSE inspectors 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.

Table 1

Licence Instruments and Enforcement Notices Issued by ONR during this period

Date	Type	Ref No	Description
23 May 14	Agreement	LI533	Commencement of construction of dry fuel store building (and services).

Table 1

Licence Instruments and Enforcement Notices Issued by ONR during this period

Date	Type	Ref No	Description
18 June 14	Agreement	LI542	Implementation of modifications for fuel and container handling, fuel building crane control and protection system upgrade.

Reports detailing the above regulatory decisions can be found on the ONR website at www.hse.gov.uk/nuclear/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>).

ONR is changing

On 1 April 2014, the ONR was established as a Public Corporation under the Energy Act 2013. The Energy Act 2013 sets out the legal framework for regulation of GB nuclear sites by the ONR. In addition, the ONR has the powers to regulate conventional health and safety on GB nuclear sites. ONR now has its own logo, which will be used on all documents and other external communication media. Other notable changes include a new website and publication of an Annual Plan for 2014/15.

6 CONTACTS

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