



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

Report for period 1 October - 31 December 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.

## TABLE OF CONTENTS

1	INSPECTIONS .....	3
2	ROUTINE MATTERS.....	3
3	NON-ROUTINE MATTERS.....	4
4	REGULATORY ACTIVITY .....	4
5	NEWS FROM ONR.....	5
6	CONTACTS.....	6

## 1 INSPECTIONS

### 1.1 Dates of inspection

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

7 – 9 October  
22 – 23 October  
28 – 30 October  
10 – 13 November

ONR conventional health and safety inspector, outage project and specialist inspectors made inspections on the following dates during the quarter:

7 – 9 October  
20 – 23 October  
28 – 31 October  
3 – 5 November  
10 – 13 November  
20 November

The superintending inspector operating reactors visited the station on the following dates during the quarter:

11 – 12 November

## 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 Regulatory Reform (Fire Safety) Order 2005
- the Nuclear Industries Security Regulations 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 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, the following routine licence condition compliance inspections were undertaken:

Licence condition 17: Management systems

Licence condition 22: Modification or experiment on existing plant

Licence condition 26: Control and supervision of operations  
Licence condition 28: Examination, inspection, maintenance and testing  
Licence condition 30: Periodic shutdown

## **Reactor Periodic Shutdown**

During this period the main focus of regulatory intervention was the statutory reactor shut down for maintenance and refuelling. The outage began on 17 October 2014 and represented the thirteenth refuelling outage. In addition to the routine inspection and maintenance activities, a significant package of work was also completed including reactor coolant pump maintenance, the replacement of generator transformer 1. Separately the licensee undertook a substantial amount of Japanese Earthquake Response resilience improvements including the installation of passive auto-catalytic hydrogen re-combiners.

During the outage period ONR inspectors undertook assessments and a programme of visits to the station to inspect the work being undertaken. The ONR programme of work found the arrangements to be adequate with no significant safety findings being revealed. This work was used to support ONR's decision to grant consent to start up the reactor at Sizewell B issued on 21 November 14. Further details of ONR's assessment can be found at <http://www.onr.org.uk/pars/2014/sizewell-b-14-007.pdf>

## **2.2 Other work**

### **Emergency Plan**

During this period a revised version of the Sizewell B Emergency Plan was submitted to ONR for approval of amendments. The amendments included the changes to the off-site emergency planning area, sharing of services with the Sizewell A station and general updates dealing with glossary, vocabulary and terminology. Following an assessment ONR approved the amendments to the emergency arrangements. Further details of ONR's assessment can be found at <http://www.onr.org.uk/pars/2014/sizewell-b-14-021.pdf>

## **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.

### **Conventional Health and Safety Inspection**

The ONR Conventional Health and Safety Inspector visited the site during this period after a fall from height incident occurred on the site. The injured person was taken hospital for treatment and later discharged. EDF stood down the work and have since undertaken an investigation into the incident. The incident has also been reported to ONR under the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations. Further ONR investigation will be dependent on the findings of EDF's internal investigation report.

## **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.

**Table 1**

**Licence Instruments and Enforcement Notices Issued by ONR during this period**

<b>Date</b>	<b>Type</b>	<b>Ref No</b>	<b>Description</b>
21 Nov 2014	Consent	LI 543	Consent to start up reactor following shutdown
22 Dec 2014	Approval	LI 546	Approval of emergency plan

Reports detailing the above regulatory decisions can be found on the ONR website at [www.hse.gov.uk/nuclear/pars](http://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 on-going 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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