



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

Report for period 1 October – 31 December 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.

## TABLE OF CONTENTS

1	INSPECTIONS .....	3
2	ROUTINE MATTERS.....	3
3	NON-ROUTINE MATTERS.....	4
4	REGULATORY ACTIVITY .....	5
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:

- 19-22 October
- 9-12 November
- 30 November – 3 December

The site inspector was accompanied by other inspectors as follows:

- Project inspector 20-21 October
- Structural integrity specialist inspector 9 November
- Emergency preparedness specialist inspector 10-12 November
- Civil Nuclear Security specialist inspector 11-12 November
- Civil Nuclear Security site inspector 12 November
- Civil Nuclear Power Programme director 1 December
- Radioactive waste specialist inspector 2-3 December

## 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 (site/station) covered the following:

- examination, maintenance, inspection and testing;
- management of operations including control and supervision;
- staff training, qualifications and experience;
- emergency preparedness;
- radioactive waste management;
- periodic safety review;

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

- Solid and gaseous radioactive waste

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.

The site inspector observed shift exercise 'Fortune' as a follow up to address shortfalls identified with the Access Control Point (ACP) performance during the annual Level 1 demonstration exercise 'Fox' earlier in the year. The site inspector judged that exercise 'Fortune' had demonstrated some notable improvements at the ACP by the licensee ; however, that additional improvements should be made to command and control techniques. In response, the licensee proposed to provide additional training for staff fulfilling the access controller role.

Also during the period ONR inspectors attended the emergency arrangements review meeting. This covered the performance during recent emergency exercises, future development of emergency arrangements and plans for future emergency exercises.

## **2.2 Other work**

The site inspector attended the site stakeholder group meeting on 22 October 2015.

The site inspector held a periodic meeting with the station's safety representatives. ONR recognises the importance of these meeting in supporting their function of representing employees and receiving information on matters affecting their health, safety and welfare at work.

ONR's Civil Nuclear Reactor Programme (CNRP) Director inspected the site with the site inspector which presented the Station Director with the opportunity to provide an overview of the station's intentions for improving nuclear safety. The CNRP Director formed a positive view on the overall proposals, however, owing to the time available the details of the station's commitments were not discussed. These commitments will be followed by the site inspector as part of his future routine interventions.

### Replacement Neutron Flux Detectors

The neutron flux detectors provide a significant function as part of the reactor protection system. The licensee wished to replace a number of the existing detectors which were becoming obsolete. ONR's specialist assessors considered the safety case which was submitted by the licensee for our acknowledgement which was subsequently provided by issue of a licence instrument.

## **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.

Matters and events of particular note during the period were:

During a plant survey the site realised that two compressed air tanks were located in a position where, in the event of a fire, failure of the tanks could threaten the integrity of steam pipework. The steam pipework is required to have a low probability of failure. The incident

has been assigned a provisional INES rating of 1 on a scale of 1 to 7. The licensee took action to install passive fire protection to prevent fire affecting the integrity of the tanks whilst it considered a permanent solution.

#### 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:

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

Date	Type	Ref No	Description
10/12/15	Acknowledgement	549	Replacement of neutron flux detectors, which are part of the reactor protection system

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 Regulation Matters. The 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 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>).

##### Chief Executive

Adrienne Kelbie has been appointed Chief Executive of ONR and will take up the appointment on 18 January 2016. Adrienne is currently the Chief Executive of the Disclosure and Barring Service, and prior to this has had a varied career including periods as Deputy Chief Executive in a local authority and as Director of Operations responsible for national and international funding at the Big Lottery Fund.

##### Chief Nuclear Inspector

ONR is currently recruiting for its Chief Nuclear Inspector. The Chief Nuclear Inspector has the key role in providing assurance on the effectiveness of the UK's nuclear regulatory system to the ONR Board, ministers, licensees and the British public and will represent ONR nationally and internationally. The closing date for applications is Sunday 17 January 2016 and further details are available on the ONR website: [www.onr.org.uk](http://www.onr.org.uk)

## 6 CONTACTS

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Published 01/06

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