



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

Report for period 1 April to 30 June

## 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 Hinkley Point B Site Stakeholder Group (SSG) and are also available on the ONR website (<http://www.onr.org.uk/lhc/>).

Site inspectors from ONR usually attend Hinkley Point B SSG meetings and will respond to any questions raised there. Any person wishing to enquire about matters covered by this report should contact ONR.

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## 1 INSPECTIONS

### 1.1 Dates of inspection

1. The ONR nominated site inspector made inspections, supported where appropriate by specialist inspectors, on the following dates during the quarter:

11 - 13<sup>th</sup> April 2017  
03 May 2017  
23 – 26 May 2017  
13 – 16 June 2017  
20 – 22 June 2017

## 2 ROUTINE MATTERS

### 2.1 Inspections

2. 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 etc. (HSWA74); and
  - Regulations made under HS WA74, for example the Ionising Radiations Regulations 1999 (IRR99) and the Management of Health and Safety at Work Regulations 1999 (MHSWR99).
3. 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.
4. In this period, routine inspections of Hinkley Point B covered the following:
  - Operating Rules;
  - Emergency arrangements;
  - Conventional Fire Safety;
  - Documents, Records, Authorities and Certificates; and
  - Instructions to persons on the site
5. In general, ONR judged the arrangements made and implemented by the site in response to safety requirements to be adequate. 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.
6. In addition to our compliance inspections based on the conditions attached to the nuclear site licence, ONR inspectors also inspect operating reactors against safety-related systems. Each site has a safety case that demonstrates how it operates safely. For advanced gas-cooled reactors, each of approximately thirty key systems will be inspected against the claims made upon them by the safety case. The aim is to systematically inspect all the significant safety related systems within a five-year cycle

(six per year). ONR believes that this will provide more robust assurances of the site's safe operation and how the safety case is being implemented.

7. During this quarter, one system based inspection was undertaken on the station. This inspection focused upon Emergency Generation and covered the licensee's arrangements to ensure that essential supplies are maintained. As part of this intervention, ONR undertook a plant walk down of the Emergency Generation System and individual elements, including the Fuel Oil Tank Farm and Tanks, Fuel Pump House, Gas Turbine House and the Gas Turbine 3, Olympus Gas Generator, Power Turbo Generator, Alternator and Exciter. The ONR inspection team considered that the system was being maintained and operated in accordance with the requirements of the safety case.
8. On 14<sup>th</sup> June 2017, ONR observed the annual Level 1 demonstration emergency exercise. Overall ONR judged this to have been an adequate demonstration of the station's arrangements made under Licence Condition 11.

#### 9. NON-ROUTINE MATTERS

On the 12<sup>th</sup> of April 2017, a Doosan Babcock employee fell through a skylight whilst undertaking work on the Gas Turbine house control room roof at the Hinkley Point B licensed site. The injured party suffered injuries to his back as a result of the fall. The ONR's nominated site inspector was briefed promptly and attended site on the following day (13.04.2017). ONR's investigations resulted in the serving of [Improvement Notices](#) on EDF Energy Nuclear Generation Ltd (NGL) and Doosan Babcock Ltd on 30<sup>th</sup> June 2017. Both companies have until 31<sup>st</sup> January 2018 to satisfy the requirements of the notices. Directors from Doosan Babcock visited ONR on 26<sup>th</sup> July 2017 to outline how the company intended to satisfy the requirements of the Improvement Notice within the required timescales. We are also working with EDF NGL on its approach to ensuring compliance with the requirements of the Improvement Notice. ONR's investigations remain on-going.

### 3 REGULATORY ACTIVITY

10. 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.
11. No Licence Instruments were issued during this period.
12. Improvement notices were issued to EDF Energy NGL and Doosan Babcock Ltd at Hinkley Point B licensed nuclear site.

### 4 NEWS FROM ONR

ONR Chair awarded CBE

- In the Queen's Birthday Honours announced in June, Chair of the Office for Nuclear Regulation, Nick Baldwin, was appointed a Commander of the Order of the British Empire for services to nuclear safety and security in Britain and to the charitable sector.

## Regulatory Research Report published

- ONR has published its annual regulatory research report which describes the research activities we have conducted in the past year.
- The report includes case studies showing how our research strategy has helped support our regulatory approach, and helps to inform the development of best practice. It can be viewed at [www.onr.org.uk/research](http://www.onr.org.uk/research)

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