



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

Report for period 01 April 2016 – 30 June 2016

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 of the Site Stakeholder Group and are also available on the ONR website (<http://www.onr.org.uk/lrc/>).

Site inspectors from ONR usually attend the Hinkley Point 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. The ONR nominated site inspector made inspections on the following dates during the quarter:
 - 19 – 21 April.
 - 24 – 26 May.
 - 14 – 16 June.
 - 21 – 24 June.
 - 28 – 30 June.
2. In addition, ONR specialist inspectors undertook inspections on the following dates during the quarter:
 - 19 April (Periodic Safety Review – External Hazards).
 - 24 – 25 May (System Based Inspection – Civil Engineering).
 - 24 – 25 May (Corrosion Under Lagging – Structural Integrity).
 - 25 – 26 May (Periodic Safety Review – Chemistry).
 - 14 – 15 June (Emergency Demonstration Exercise).
 - 21 June (Safety Relief Valves – Mechanical Engineering).
 - 21 – 22 June (System Based Inspection - Control & Instrumentation).
 - 28 June (Periodic Safety Review – Electrical Engineering).
3. Finally, the ONR nominated site inspector attended meetings concerning other Hinkley Point B matters on the following dates:
 - 4 – 7 April (Hunterston B Annual Review of Safety).
 - 13 April (Graphite meeting).
 - 24 May (Emergency Arrangements extendibility workshop)
 - 24 June (Site Stakeholder Group meeting).

2 ROUTINE MATTERS

4. 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).
 - Regulations made under HSWA74, for example the Ionising Radiations Regulations 1999 (IRR99) and the Management of Health and Safety at Work Regulations 1999 (MHSWR99).
5. 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.
6. In this period, inspections of Hinkley Point B covered the following:
 - Safety documentation.

- Training.
 - Operating rules.
 - Operating instructions.
 - Safety mechanisms, devices and circuits.
 - Examination, inspection, maintenance and testing.
 - Leakage and escape of radioactive material and radioactive waste.
 - Marking of the site boundary.
 - Emergency arrangements.
7. These inspections were carried out against nine Nuclear Site Licence Conditions and included two System Based Inspections (Ponds/Flasks and station control & instrumentation – Data Presentation System).
8. In addition, the following activities were undertaken:
- A review of the lessons learned from the Reactor 3 statutory outage and follow up on events that happened during the outage.
 - Investigation into the unplanned shutdown of Reactors 3 and 4 during June 2016.
 - Information exchange meetings to discuss matters such as progress with safety case developments and a review of the ONR issues database.
9. Details of these inspections can be found in the Hinkley Point B Intervention Reports located at <http://www.onr.org.uk/civil-nuclear-reactors/operating-reactors.htm>
10. ONR judged the arrangements made and implemented by the site in response to safety requirements to be at least adequate in the areas inspected.
11. However, where improvements were considered necessary, the licensee made satisfactory commitments to address the issues, and the ONR nominated 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.

3 NON-ROUTINE MATTERS

12. 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.
13. As noted above there were two unplanned reactor shutdowns during the period. NGL has identified the cause of both events (both of which were associated with transformers not the reactors) and carried out remedial action. The reactors were restarted a few days later. The nominated ONR site inspector will follow up on both of these events.

4 REGULATORY ACTIVITY

14. ONR 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' (LI's), but can take other forms. In addition, inspectors may issue Enforcement Notices to secure improvements to safety. Two licence instruments were issued in the period:
- LI 552: Approval of operating rules.
 - LI 553: Flux detector replacement programme.

15. Reports detailing ONR regulatory decisions can be found on the ONR website at <http://www.onr.org.uk/pars/>.
16. Information specific to Hinkley Point B can be found at <http://www.onr.org.uk/sites/hinkley-point-b.htm>
17. ONR issued Licence Instrument No.554 on 25th July 2016 under Licence Condition 23(4), granting approval to implement a new single operating rule relating to conditions and limits of operation necessary in the interests of safety. All previously approved operating rules were withdrawn as part of this approval. The revised approach will still require the licensee to seek ONR's agreement to any significant changes whilst allowing any minor changes, typically of an administrative nature, to be undertaken by NGL.

5 NEWS FROM ONR

5.1 Chief Nuclear Inspector's annual statement

18. ONR published its Annual Report and Accounts 2015/16 on 7 July 2016. As well as reporting on ONR's performance, the report includes the Chief Nuclear Inspector's annual statement, which provides a judgement on the regulatory attention necessary for each licensed site, dependent on the level of hazard and risk posted by the facility. The Annual Report and Accounts can be viewed on the ONR website.

5.2 New regulatory structure

19. ONR has recently reviewed its organisational arrangements to ensure that our regulatory structure is appropriately focused to deliver front-line regulation over the next few years. To maintain effective and proportionate regulation, and to address potential and actual imbalances in the current workloads of the programmes, we have created three nuclear safety programmes, each led by a Deputy Chief Inspector. These programmes are:
 - A new reactors programme dealing with design assessment, licensing and construction of civil reactors.
 - An operating facilities programme dealing with operating reactors, defence sites and other operating facilities.
 - A Sellafield, decommissioning, fuel and waste programme dealing predominantly in decommissioning and waste.

You can view ONR's [organisational structure](#) and full [regulatory structure](#) on our website.

5.3 Chief Nuclear Inspector Summary Plan for 2016/17

20. The CNI Summary Plan outlines high level regulatory milestones to deliver ONR's Strategic Plan to 2020 and ONR's approach to the delivery of safety and security regulation across the UK's nuclear reactors and facilities. It was published on 11 July and is available on the ONR website.
21. Insight into ONR's work as an independent regulator of the nuclear industry can be found in ONR's [Regulation Matters](#). The online publication (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. For the latest news and updates from ONR visit the [website](#) and sign up for our [bulletin](#)

6 CONTACTS

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