



Office for Nuclear Regulation (ONR) Quarterly Site Report for Hartlepool Power Station

Report for period 1 January 2017 to 31 March 2017

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 Hartlepool Local Community Liaison Committee and are also available on the ONR website (<http://www.onr.org.uk/lc/>).

Site inspectors from ONR usually attend Hartlepool Local Community Liaison Committee 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	4
6	CONTACTS	5

1 INSPECTIONS

1.1 Dates of inspection

ONR inspectors undertook interventions at Hartlepool Power Station, on the following dates during the quarter:

- 9 – 13 January 2017
- 31 January 2017
- 13 - 17 February 2017
- 13 – 16 March 2017
- 26 March 2017
- 31 March 2017

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 the power station covered the following:

- Radiological protection
- Pressure systems safety regulations
- Modifications or experiment on existing plant
- Control and supervision
- Accumulation of radioactive waste
- Consignment of nuclear matter.

In addition to our program of site licence compliance inspections, ONR also undertakes system based inspections which are focused on the site's critical safety systems and structures and are derived from the licensees' safety cases. During the period, ONR performed a system based inspection of the following system:

- Irradiated Fuel Disposal Facility.

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.

During this period, we identified that due to limitations in EDF Energy Nuclear Generation Limited's (NGL) systems for monitoring training compliance, some duly authorised persons had not completed a small number of training modules relevant to their role. Although, we judged that these training anomalies were unlikely to significantly undermine nuclear safety, we wrote to NGL requesting that action be taken to address the causes of this issue. We have reviewed NGL's response and are satisfied with the company's proposed programme of work.

2.2 Other work

In February, the site inspector conducted a routine meeting with NGL's safety representatives to discuss the findings from ONR's inspection programme and our planned activities for during the next 12 months.

In March, together with inspectors from the Environment agency, ONR undertook an inspection to evaluate arrangements for the management of radioactive waste at Hartlepool power station. We concluded that the station's radioactive waste management plan was comprehensive and the station is proactively managing its holdings of operational low level waste (LLW) following the loss of on-site incinerator facilities. An ONR issue was raised following an observation in relation to coverage of the fire detection system.

ONR has commenced its assessment of EDF's Report of Assessment which was submitted under the Radiation (Emergency Preparedness and Public Information) Regulations (REPPiR) on 3 March.

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.

There were no such matters or events of significance during the period.

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.

- No LIs or Enforcement Notices were issued during the period.

5 NEWS FROM ONR

New reactors update:

- ONR received a request from Government to begin the Generic Design Assessment process for the UK HPR1000 in January. The reactor is now in Step 1 of the GDA process.
- On 30 March, ONR issued Design Acceptance Confirmation for the AP1000® nuclear reactor, designed by Westinghouse. The regulators required 51 GDA issues to be resolved before confirming suitability of the design.
- ONR granted its first consent for the start of construction at Hinkley Point C licensed site. The consent covers the placement of the structural concrete for the first nuclear safety-related structure at the site.
- On 31 March, Horizon Nuclear Power submitted its application for a nuclear site licence to build and operate two UK Advanced Boiling Water Reactors at Wylfa Newydd on Anglesey.

Quarterly statement of civil incidents

ONR published its quarterly statement of civil incidents reporting on the period October-December 2016. There was one incident which met ministerial reportable criteria at Dounreay involving contamination of workers' clothing. There was no detectable intake of radioactive material by any of the people involved in the incident.

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>).

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