

Office for Nuclear Regulation (ONR)

Site Report for

HINKLEY POINT C

Report for period 1 October 2019 – 31 December 2019

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 published on the ONR website (<http://www.onr.org.uk/hc/>).

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1 INSPECTIONS

The ONR nominated site inspector and/or other ONR specialist inspectors including ONR warranted Health and Safety Executive Construction Division inspectors made inspections on the following dates during the quarter at the HPC construction site:

- 01 – 03 October 2019
- 22 October 2019
- 13 - 14 November 2019
- 20 - 21 November 2019
- 9 – 11 December 2019
- 17 December 2109

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 2017 (IRR17) 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

ONR has implemented a programme of interventions to:

- secure ONR's regulation of the construction and installation of two UK EPR™ reactor units by NNB GenCo (HPC) Ltd.;
- ensure that NNB GenCo (HPC) Ltd. is complying with its legal responsibilities;
- conduct theme focused interventions and cross-theme team inspections aimed at gathering evidence to form a judgement on the on-going development of NNB GenCo (HPC) Ltd.'s competence and capability and the effectiveness of its management arrangements for the controlling procurement, design and manufacture;
- to inform ONR's judgement on the adequacy of NNB GenCo (HPC) Ltd.'s site construction related compliance arrangements to support ONR's permissioning decisions.

In this period, routine site inspections at the Hinkley Point C construction site covering the following Licence Conditions (LCs) were performed:

- LC17 – Management systems
- LC19 – Construction or installation of new plant
- LC28 – Examination, inspection, maintenance and testing

As NNB GenCo (HPC) Ltd.'s construction activity increases at the HPC site, ONR's site interventions will include increasing focus on NNB's ability to adequately control construction and installation at the HPC site in accordance with NNB GenCo (HPC) Ltd.'s justified design.

For all LCs under inspection ONR judged that NNB GenCo (HPC) had adequately implemented its licence compliance arrangements with only minor areas for improvement being identified.

ONR continues its engagement with the project via regular site visits and meetings at NNB GenCo (HPC)'s office locations across the following themes:

- Design and Safety Case
- Organisational Capability
- Conventional Health and safety and fire safety
- Security

These inspections are providing ONR with valuable intelligence on the progress NNB GenCo (HPC) is making to continue developing its competence and capability to manage the design, procurement and construction of Hinkley Point C.

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.

During the reporting period there were no significant non-routine matters at the HPC site.

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', but can take other forms. In addition, inspectors may issue Enforcement Notices to secure improvements to safety.

As part of ONR's routine permissioning strategy ONR identifies hold points which it wishes to permission to ensure appropriate regulatory oversight of NNB GenCo(HPC)'s readiness to commence specific significant activities. During the period of this report ONR has specified that NNB shall not commence the bulk installation of mechanical, electrical and HVAC equipment without ONR's agreement as detailed in table 1. No Enforcement Notices were issued during the period of this report.

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

Date	Type	Ref No	Description
29 October 2019	SPECIFICATION	LI519	Specification issued under Licence Condition 19(1) specifying that the licensee shall not commence First bulk Mechanical, Electrical and HVAC (MEH) activity

REPORTS DETAILING REGULATORY DECISIONS TAKEN AT HINKLEY POINT C CAN BE FOUND ON THE ONR WEBSITE AT [HTTP://WWW.ONR.ORG.UK/PARS](http://www.onr.org.uk/pars)

5 NEWS FROM ONR

5.1 Enforcement Action

EDF Energy has complied [with two ONR Improvement Notices](#) relating to the way it maintains auxiliary steam systems and instructs staff operating these systems. The Notices were issued in January 2019 following a serious incident at Heysham 1 power station in November 2018, when a valve failed on a steam system resulting in injury to three EDF employees. Further details are available on our [website](#).

5.2 Regulatory updates

In October, our Chief Nuclear Inspector (CNI) Mark Foy published his view on the performance of Great Britain's nuclear industry during 2018/19. In the first [report](#) of its kind, the review provides an independent, authoritative view of safety, security and safeguards performance across the nuclear industry over the last year. The report is accessible via our website homepage www.onr.org.uk

Throughout October we hosted an [Integrated Regulatory Review Service Mission](#) that saw a team of 18 independent experts from across the globe scrutinising the regulation of nuclear and radiological safety across 15 different regulatory bodies. The final report is expected in February/March 2020.

Along with the Environment Agency and Natural Resources Wales (NRW) we have published [new Generic Design Assessment \(GDA\) guidance](#) for Requesting Parties. It reflects the changes seen in the nuclear industry in the decade since GDA was introduced, in particular the Nuclear Sector Deal and the potential for Small Modular Reactor (SMR) designs to enter GDA in the future. The new guidance also incorporates lessons learnt from previous GDAs.

Together with the Environment Agency, we have also published a [joint annual report](#) on our scrutiny of Radioactive Waste Management's (RWM) work to develop geological disposal. This report summarises our work relating to the geological disposal of radioactive waste.

We have formally concluded the [licence revocation for the Cardiff Nuclear Licensed Site in](#) Wales, thereby de-licensing the site. This follows many years of nuclear site decommissioning and work to clean up the site and is the first time ONR has de-licensed a site completely, although several sites have been de-licensed by ONR's predecessor organisation, the Nuclear Installations Inspectorate.

5.3 Stakeholder engagement

In November, we hosted our second NGO Forum of the year and were delighted to welcome 18 NGO attendees from 14 different organisations. Agenda items included our work at Sellafield, ageing management of reactors and our relationship with the Defence Nuclear Safety Regulator. Presentations and minutes from all our [NGO Forum meetings](#) are made available on our website. If you represent an NGO group and would like to get involved with our NGO Forum, please get in touch with our Communications team (contact@onr.gov.uk) for further details.

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