

Office for Nuclear Regulation (ONR)

Site Report for Heysham Power Stations

Report for period 1 July – 30 September 2022

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

Site inspectors from ONR usually attend the Heysham 1 and 2 Local Community Liaison Committee meetings where these reports are presented 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

1.1. Dates of Inspection

The ONR site inspector made inspections on the following dates during the report period:

Heysham 1

7 July

22 – 25 August

6 – 7 September

Heysham 2

5, 7, 12-13 July

3, 9-11 August

8, 14-15, 27 September

In addition, our specialist inspectors were involved in interventions on the following date during the report period:

Heysham 1

7 July

9 August

Heysham 2

5, 13 July

10-11 August

14-15 September

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 etc 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 inspections entail monitoring the 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 Heysham covered the following:

- leadership training, staff training, qualifications and experience; (Heysham 2) - This inspection focused on simulator training of central control room crews, leadership training on station and the governance and oversight of training. There was a well-developed plan for leadership training that was being delivered and the station had made significant improvements in crew resource training i.e. how the central control room team interact and respond as a team vs as an individual. However, shortfalls were found in some training profiles of individuals and the governance of training. Regulatory issues have been raised to address the shortfalls found.
- emergency preparedness; (Heysham 1) – This inspection focused on the adequacy of diverse and redundant means of emergency communications; arrangements to allow timely access of responders to affected areas; the future programme, scope and internal evaluation of emergency exercises; handover protocols and the establishment of unified command and control structures.
- organisational changes; (Heysham 2) – At the beginning of the year Heysham 2 changed its meeting structure and governance on station. This inspection was aimed at examining the pros and cons of this change and offering regulatory advice. This inspection coincided with the arrival of the new station director. Since this inspection the station has reinstating a number of the meetings that had been dropped.
- quality assurance and records; (Heysham 2) – This inspection focused on the station's QA & QC arrangements. No significant regulatory issues

were found however station were advised to consider the cumulative impact of QA experience and the reduction in the number of oversight activities performed since the Covid 19 pandemic. This was a known issue for the station who were receptive to the advise.

Members of the public, who would like further information on ONR's inspection activities during the reporting period, can view site Intervention Reports at www.onr.org.uk/intervention-records on our website www.onr.org.uk.

Should you have any queries regarding our inspection activities, please email contact@onr.gov.uk.

In this period, other routine matters at Heysham stations covered the following:

- emergency arrangements review (Heysham 2)
- oversight of flask corridor and extended loss of grid modifications (Heysham 1)
- Pressure Systems Safety Regulations 2000 compliance (Heysham 1)
- plant improvement plan (Heysham 1)
- follow-up work related to long-term improvements associated with INF1-1148 (Heysham 2)
- regulatory issue progress (both sites)
- routine event follow-ups including any conventional health and safety events (both sites)
- end of generation planning (Heysham 1)
- Leadership and Management for Safety (Heysham 2)
- Refuelling safety case and modifications (Heysham 2)
- daily plant status, refuelling preparations and progress (both sites)
- oversight of graphite inspection data (both sites)
- plant walkdowns (both sites)

2.2. Other Work

We held periodic meetings with safety representatives, to support their function of representing employees and receiving information on matters affecting their health, safety and welfare at work.

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.

Heysham 1

An ONR inspection at Hartlepool in late June identified that EDF had failed to include all the required items of pressure equipment within Written Schemes of Examination

required by the Pressure Systems Safety Regulations 2000 (PSSR). EDF carried out a review which found similar breaches at Heysham 1. ONR issued Improvement Notices to both site's to remedy the shortfalls.

PSSR regulations place duties on the owner of the pressure system to establish the scope of their Written Schemes of Examination which will determine the nature and frequency of in-service examinations of selected equipment within the pressure system.

There were no consequences to the public or the environment as a result of the shortfalls.

Heysham 2

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 take a range of enforcement actions, to include issuing an Enforcement Notice.

- The following LIs, Enforcement Notices and Enforcement letters have been issued during the period:

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

Date	Type	Ref. No.	Description
16 August	Improvement Notice	ONR-IN-22-003	Compliance with Pressure Systems Safety Regulations 2000 Regulation 8 (1)

Reports detailing the above regulatory decisions can be found on the ONR website at <http://www.onr.org.uk/pars/>.

5. News from ONR

For the latest news and information from the Office for Nuclear Regulation, please read and subscribe to our regular email newsletter 'ONR News' at www.onr.org.uk/onrnews

6. Contacts

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