



Office for Nuclear Regulation (ONR) Quarterly Site Report for Heysham Power Stations

Report for period 01 April 2014 - 30 June 2014

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

Site inspectors from ONR usually attend Heysham 1 and 2 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.

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1 INSPECTIONS

1.1 Dates of inspection

1. The ONR site inspectors made inspections on the following dates during the quarter:

Heysham 1

- 16,17 April 2014
- 15, 20, 21, 22, 23, 28, 29 May 2014
- 17, 18, 19 June 2014

Heysham 2

- 15-16, 29 April 2014
- 13-14 May 2014
- 03-04 June 2014

2. In addition ONR specialist inspectors undertook inspections on the following dates during the quarter:

Heysham 1

- 20, 21, 28, 29 May 2014
- 17, 18, 19 June 2014

Heysham 2

- 15-16 April 2014
- 03-04 June 2014

2 ROUTINE MATTERS

2.1 Inspections

3. 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).

4. 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.

5. In this period, routine inspections of (site/station) covered the following:

- examination, maintenance, inspection and testing;
- emergency preparedness;
- modification or experiment on existing plant;
- duty to carry out tests, inspections, and examinations.

6. In addition, the following systems were inspected:
- auxiliary cooling including the pressure vessel cooling
 - carbon dioxide supply and distribution
 - fuel assemblies
 - main electrical systems
7. 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.

2.1.1 Heysham 1

Anomalous Boiler Test Result

8. As reported in the last quarterly reports, during the statutory outage of Heysham 1 Reactor 1, November 2013, an anomalous result was found during non-destructive testing of a section of one of the multiple boilers. NGL subsequently justified a period of six month operation of Reactor 1 on the remaining boilers with the anomalous boiler isolated. ONR has assessed the safety justification for this mode of operation and is content that Reactor 1 can operate safely for this period.
9. The reason for this anomaly has yet to be explained and in the intervening period, NGL has been developing extensive testing techniques to explain this anomalous result to support future operation of Reactor 1.
10. Reactor 1 was shutdown on the 10th of June 2014, before the end of the six month period of operation, and preparations made to allow entry to the reactor vessel to deploy these testing techniques which is scheduled to take place in July 2014. ONR has been closely monitoring EDF's development work to ensure that the scope and conduct of inspections are adequate to support the safety justification for future operation.

Annual Review of Emergency Preparedness Exercises

11. ONR safety and security inspectors attended the annual review of the emergency preparedness exercises undertaken on the Heysham 1 site. The purpose of this meeting is to review the emergency preparedness performance at Heysham 1 and for the station to provide an update on progress with the learning opportunities identified at each of the demonstration exercises.
12. Overall, ONR is satisfied that the emergency exercises conducted over the last 12 months have demonstrated an adequate performance of the Heysham 1 emergency response arrangements and that the identified learning opportunities have been or are being adequately progressed.

2.1.2 Heysham 2

Annual Review of Safety

13. The Annual Review of Safety Meeting was held on 3rd and 4th July; which is just outside the quarter of this report; however, the visit involved discussions with the Station Safety Representatives, a plant tour, and then the formal meeting to discuss the nuclear safety performance of the station over the previous 12 months. It was

attended by the ONR Nominated Site Inspector for Heysham B and its' sister station Torness, as well as the Operating Reactors Sub-Programme Delivery Lead.

14. Overall, ONR was satisfied that a comprehensive review of safety had been carried out by the licensee and consider that the safety performance during the reporting period was of a good standard. .

3 NON-ROUTINE MATTERS

15. 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.
16. There were no such matters or events of significance during the period.

4 REGULATORY ACTIVITY

17. ONR inspectors, specialist inspectors and HSE 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' (LIs), but can take other forms. In addition, inspectors may issue Enforcement Notices to secure improvements to safety.

- No LI s or Enforcement Notices were issued during the period.

18. Reports detailing ONR regulatory decisions can be found on the ONR website at www.onr.org.uk/pars/.

5 NEWS FROM ONR

Annual Report and Financial Position 2013-14

19. ONR has published its Annual Report and Financial Position for 2013-14, the report is a companion document to HSE's Annual Report and Accounts 2013/14 (<http://www.hse.gov.uk/aboutus/reports/1314/index.htm>) and is intended to present our opening position both in terms of achievements and financial management, as we begin life as a public corporation. It includes the Chief Nuclear Inspector's Annual Statement 2013/14 on the safety and security of the nuclear estate and summarises ONR's judgements on the areas it regulates. With this report we are saying that all of the sites we regulate are safe and secure and are working to reduce hazards. There is further work to be done at some sites, particularly Sellafield where we have a new regulatory strategy in place, and we are engaging with licensees to secure improvements in specific areas.
20. The report is available on the ONR website (www.onr.org.uk/documents/2014/onr-annual-report-1314.pdf).

ONR Strategy 2015-2020

21. ONR is seeking feedback on its new strategy that has just been published, which provides vision and direction for ONR and nuclear regulation for the next five years. The consultation will run from 14 July to 6 October on the ONR website. ONR has a statutory obligation to have the new strategy in place by 1 December.
22. The strategy may be downloaded via the public consultations page of the ONR website (www.onr.org.uk/consultations/index.htm).

23. Insight into ONR's work as an independent regulator of the nuclear industry can be found in ONR's Quarterly News. The online publication (www.onr.org.uk/onr-quarterly-report.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. www.onr.org.uk/index.htm. For the latest news and updates from ONR visit the website and sign up for our ebulletin (www.onr.org.uk/ebulletin/index.htm).

6 CONTACTS

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