



Office for Nuclear Regulation (ONR) Quarterly Site Report for TORNESS

Report for period 1 July – 30 September 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 for the Torness Local Liaison Committee and are also available on the ONR website (<http://www.onr.org.uk/llic/>).

Site inspectors from ONR usually attend Torness Local 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

ONR site inspector carried out inspections on the following dates during the quarter:

- 11 to 14 July
- 20 July
- 9 to 11 August
- 5 to 8 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 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 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 inspection activities covered the following:

- Training
- Operating rules
- Operating instructions
- Safety mechanisms, devices & circuits
- Examination, inspection, maintenance and testing
- Leakage and escape of radioactive material and radioactive waste
- System safety case judgement
- Fire safety
- Corrosion
- Emergency arrangements
- Meetings with EDF's internal nuclear assurance function
- Events on the site
- Review of ONR issues database with the licensee

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.

In addition to our compliance inspections based on the conditions attached to the nuclear site licence, ONR inspectors also inspect operating reactors against safety related systems. Each site has a safety case that demonstrates how it operates safely. For advanced gas cooled reactors, each of approximately thirty key systems will be inspected against the claims made upon them by the safety case. The aim is to systematically inspect all the significant safety related systems within a five-year cycle (six per year). ONR believes that this provides more robust assurances of the site's safe operation and how the safety case is being implemented.

Two separate inspections were performed by ONR specialist inspectors and the nominated site inspector to review legal compliance of two safety systems, i.e. the data processing & control system and the gas circulator system. In both instances, we judged that the arrangements and their implementation at Torness were compliant with the nuclear site licence requirements

2.2 Other work

On 22 July, ONR inspectors held a routine progress meeting with EDF's corporate and internal regulatory functions in relation to emergency arrangements. The purpose of these routine meetings is to review performance over the past year and proposed priorities for the following year, which mainly focus on the continuous strengthening of EdF's capability to respond to emergencies.

On 27 September, an ONR inspector participated in a routine emergency planning consultative group (EPCG) meeting, which provides a forum for Torness power station and outside agencies to discuss on- and off-site emergency plans and arrangements. Participants provide progress updates on national, local and site plans aimed at strengthening the ability of on- and off-site organisations to respond to nuclear emergencies.

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 this quarter, ONR undertook follow-up inspection activities related to previously reported electrical events. ONR set out its regulatory expectations for the satisfactory close out of these issues.

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 licence instruments or enforcement notices were issued during this quarter.

5 NEWS FROM ONR

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/documents/2016/regulation-matters-july-2016.pdf> reports on the key themes and developments in each of ONR's regulatory programmes and provides an update about the ongoing changes at ONR. For the latest news and updates from ONR visit the website <http://www.onr.org.uk/index.htm> and sign up for our e-bulletin (<http://www.onr.org.uk/ebulletin/index.htm>).

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