



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

Report for period 1 April – 30 June 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

The ONR site inspector, accompanied by ONR specialist inspectors, carried out inspections on the following dates during the quarter:

- 4 to 8 April
- 3 to 5 May (including joint review with the Scottish Environment Protection Agency, SEPA)
- 16 to 19 May
- 13 to 16 June

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
- Emergency arrangements
- Duly authorised and other suitably qualified and experienced persons
- Control & supervision of operations
- Meeting with Torness station safety representatives
- Meetings with EDF's internal nuclear assurance function
- Participation in Torness Annual Review of Safety meeting
- Events on the site
- Review of ONR issues database with the licensee
- Participation in Torness Local Liaison Committee meeting

Several of this quarter's inspection activities were undertaken jointly with SEPA's nominated site inspector for Torness. These included participation in the station's local liaison committee meeting, the annual review of safety plant walkdown and meeting, and the review of EDF Energy's severe accident response equipment stored in Scotland and intended to serve both the Hunterston and Torness power stations.

In addition, two separate inspections were performed by ONR specialist inspectors and the site inspector, to review legal compliance of the emergency electrical generation system, and to inspect operational chemistry control matters on the site. 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 9 June, an ONR specialist inspector observed emergency exercise Fortitude, intended to prove the suitability of the new Torness Strategic Coordination Centre at Penston House, Macmerry. Based on that observation, ONR has confirmed in writing to the Chief Executive of East Lothian Council that it has no concerns that would prevent the council from declaring that facility to be operational. East Lothian Council is in the process of updating the Torness off-site emergency plan to reflect this and other changes.

On 20 June, ONR's specialist and site inspectors held a routine progress meeting with EDF on the topic of outer peripheral graphite blocks of the reactor core. These meetings have been reported in previous ONR quarterly site reports, and further information can be found by following the link <http://www.onr.org.uk/civil-nuclear-reactors/cracking-of-outer-graphite-blocks.htm>.

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 a previously reported event concerning alarm displays. ONR set out its regulatory expectations for the satisfactory close out of this issue.

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.

ONR issued Licence Instrument No.540 on 25 July 2016 under Licence Condition 23(4), granting approval to implement a new single operating rule relating to conditions and limits of operation necessary in the interests of safety. All previously approved operating rules were withdrawn as part of this approval. The revised approach will still require the licensee to seek ONR's agreement to any significant changes whilst allowing any minor changes, typically of an administrative nature, to be undertaken by NGL.

5 NEWS FROM ONR

Chief Nuclear Inspector's annual statement

ONR published its Annual Report and Accounts 2015/16 on 7th July. As well as reporting on ONR's performance, the report includes the Chief Nuclear Inspector's annual statement, which provides a judgement on the regulatory attention necessary for each licensed site, dependent on the level of hazard and risk posed by the facility. The Annual Report and Accounts can be viewed on the ONR website.

New regulatory structure

ONR has recently reviewed its organisational arrangements to ensure that our regulatory structure is appropriately focused to deliver front-line regulation over the next few years. To maintain effective and proportionate regulation, and to address potential and actual imbalances in the current workloads of the programmes, we have created three nuclear safety programmes, each led by a Deputy Chief Inspector. These programmes are:

- A new reactors programme dealing with design assessment, licensing and construction of civil reactors.
- An operating facilities programme dealing with operating reactors, defence sites and other operating facilities.
- A Sellafield, decommissioning, fuel and waste programme dealing predominantly in decommissioning and waste.

You can view ONR's [organisational structure](#) and full [regulatory structure](#) on our website.

Chief Nuclear Inspector Summary Plan for 2016/17

The CNI Summary Plan outlines high level regulatory milestones to deliver ONR's Strategic Plan to 2020 and ONR's approach to the delivery of safety and security regulation across the UK's nuclear reactors and facilities. It was published on 11th July and is available on the ONR website.

Further 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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