



Office for Nuclear Regulation (ONR) Quarterly Site Report for Wylfa Power Station

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 Wylfa Site Stakeholder Group and are also available on the ONR website (<http://www.onr.org.uk/lrc/>).

Site inspectors from ONR usually attend Wylfa Site Stakeholder Group 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 made inspections on the following dates during the quarter:

25, 26, 27, 28 and 29 April 2016
20, 21, 22 and 23 June 2016

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 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 (site/station) covered the following:

- examination, maintenance, inspection and testing;
- management of operations including control and supervision;
- modifications to plant, equipment and safety cases;
- organisational changes;
- radioactive waste management;

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.

2.2 Other work

The site inspector attended the quarterly regulatory liaison meeting. The meeting focusses on reviewing areas of shared regulatory and operational interest with a view to ensuring common understanding and expectations across all organisations to provide successful outcomes. The meeting was attended by regulators from National Resources Wales, Environment Agency and ONR and management team members from Wylfa. There were no significant matters arising during the meeting.

As part of our ongoing work to secure the protection of the public in the unlikely event of a nuclear emergency, ONR has completed the emergency planning area determination for a revised area around Wylfa.

With the station ceasing generation last December, ONR’s assessment of the radiation hazards on the site and the risk that they present to the public recognises that the overall risk has now decreased since the off-site emergency planning area was originally defined in 2001/02.

However, off-site emergency planning is still clearly required for a reasonably foreseeable radiation emergency, and our Emergency Preparedness & Response team’s (EP&R) determination of the size of the area and the number of people within it has increased slightly due to us applying our revised principles for determinations. The result, incorporating enhanced public protection, is a revised REPPIR off-site emergency planning area which now requires consideration of all of the population living or working in the nearby villages of Tregle and Cemaes.

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.

Matters and events of particular note during the period were:

During a planned compliance inspection ONR identified that arrangements and procedures for storage of high dose rate items on pile cap were found to be inadequate. This resulted in a failure to ensure that potential exposures to ionising radiations were reduced so far as is reasonably practicable. Magnox Ltd has confirmed that no operators experienced increased exposures as a result of this incident. Although Magnox Ltd is undertaking an investigation, ONR has concerns about this event and the success with which learning from previous events with similar causes are embedding at Wylfa. To inform ONR’s regulatory response to this incident, Wylfa Site Director has been requested to attend a meeting with ONR to provide a full explanation of the events surrounding this incident and Magnox Ltd’s proposals to convince ONR that it is making lasting improvements at Wylfa to prevent further similar events.

Magnox Ltd informed ONR Safeguards and Euratom Safeguards Inspectorate some 10 years ago that discrepancies had been identified in the nuclear material accounts at Wylfa. A meeting was held in June between Euratom, ONR and Magnox Ltd to reviewed these minor nuclear materials accountancy discrepancies. A formal response is awaited from Euratom.

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.

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

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

Date	Type	Ref No	Description
8 April 2016	Approval	Licence Instrument 568	Approval of revised Nuclear Safety Committee (NSC) terms of reference
24 May	Approval	Licence Instrument 567	Approval of Issue 12 of Wylfa Emergency Plan

2016			
27 May 2016	Withdrawal of Approval	Licence Instrument 569	Withdrawal of Operating Rule Approvals to Enable Implementation of the Post Generation Defuelling Safety Case

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

5 NEWS FROM ONR

ONR's Regulation Matters

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/regulation-matters.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. <http://www.onr.org.uk/index.htm>. For the latest news and updates from ONR visit the website and sign up for our ebulletin (<http://www.onr.org.uk/ebulletin/index.htm>).

Chief Nuclear Inspector's annual statement

ONR published its Annual Report and Accounts 2015/16 on 7 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. The plan was due to be published in July on the ONR website.

6 CONTACTS

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