



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

Report for period: 1 April – 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 for the Wylfa Site Stakeholder Group and are also available on the ONR website (<http://www.onr.org.uk/llc/>).

Site inspectors from ONR usually attend Wylfa Site Stakeholder Group meetings and will respond to any questions raised there. Any person wishing to enquire about matters covered by this report should contact ONR.

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1 INSPECTIONS

1.1 Dates of inspection

The ONR site safety inspector for Wylfa power station carried out inspections on the following dates during the quarter:

14, 15, 16, 17 April 2014.

12, 13, 14, 25, 16 May 2014.

10, 11, 12, 13 June 2014.

During the period, ONR specialist or project inspectors also carried out inspections relating to site security, incidents that have occurred on the site, the periodic shutdown of reactor 1, and assessment of the station periodic safety review submitted to ONR in September 2013.

The ONR nuclear safety site inspector attended a meeting of the station SSG.

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 include monitoring licensee's activities 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 many of the conditions attached to the nuclear site licence in order to secure compliance with the law. Inspections seek to judge both the adequacy of the arrangements made and of their implementation.

During this period, routine inspections of Wylfa power station included the following areas:

incidents on the site;

documentation;

staff training, qualifications and experience;

emergency preparedness;

periodic shutdown;

modifications to plant, equipment and safety cases;

safety mechanisms and devices;

examination, inspection, maintenance and testing;

operating rules and instructions;

management of operations including control and supervision;

radioactive waste management;

decommissioning;

organisational capability; and,
conventional safety.

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 with any remaining work during future visits. Where necessary, ONR will take formal regulatory enforcement action to ensure that in the interests of safety appropriate remedial measures are implemented to reasonably practicable timescales.

Emergency Exercise Review Meeting.

The station emergency exercise review meeting was attended during the period to consider the outcome from the exercises undertaken by station in 2013, to review progress with actions related to emergency arrangements, and to discuss an outline scenario for the next exercise to be demonstrated to ONR later in 2014. The licensee has made progress to address areas for improvement identified from previous emergency exercises demonstrated to ONR, and has agreed to review outstanding corrective actions to ensure that they are completed to a reasonably practicable timescale. ONR will continue to observe emergency exercises at Wylfa power station, to ensure that demonstrations of the emergency arrangements are of an acceptable standard.

Return to Service of Reactor 1

Following ONR granting Consent to start-up reactor 1 after the 2014 periodic shutdown, its return to service has been delayed by emergent issues that have required corrective action to render the reactor and turbines suitable for return to safe and reliable operation. The reactor returned to generation of electrical power during July 2014, and although some work remains to be done they expect to complete it before the end of August 2014. ONR will continue to monitor operation of reactor 1, and provide updates in future reports to the Wylfa SSG, as appropriate.

Regulatory Liaison Meeting.

ONR inspectors attended a meeting to allow representatives of authorities exercising regulatory powers on the Wylfa site to discuss matters of mutual interest with station counterparts. The meeting was attended by representatives from the station, Magnox Limited, Natural Resources Wales, Environment Agency, ONR-security and ONR-safety inspectors. The meeting provided a useful opportunity for regulatory authorities to meet site representatives and identify any areas where interaction might be improved. ONR will continue to monitor station's safety performance, and liaise with other regulatory organisations as necessary.

Site Stakeholder Group (SSG) Meeting

The Wylfa power station SSG meeting was attended during the period by the ONR nominated safety inspector. The meeting provided an opportunity for Wylfa stakeholders to meet and discuss matters related to the station, and request a response from ONR on regulation of the site, as necessary.

2.2 Safety System Inspections

ONR includes inspections of the systems that contribute to the safety of operating reactors in addition to compliance inspections based on the conditions attached to the nuclear site licence. The nuclear site licence requires that all licensed sites must have a safety case in respect of any operation which may affect safety. For the Magnox reactor that remains in operation at Wylfa power station, 30 systems have been identified to provide the basis for inspecting safety systems to ensure they meet the claims made on them by the safety case. The intention is to inspect systematically over a five year cycle all of the safety related systems identified for the site. ONR considers that this approach will provide the necessary level of assurance that the requirements of the safety case are met and the site is being operated safely.

This quarter the safety system inspected was the burst cartridge detection system. On the basis of the inspections carried-out, the system was deemed to be operated and maintained in accordance with the requirements of the station safety case. Where areas for improvement were identified, the licensee undertook to take appropriate action to address them. ONR will monitor progress to complete any agreed work.

Further details of ONR's system inspections at Wylfa power station and other nuclear licensed sites can be found at: www.hse.gov.uk/nuclear/intervention-reports/index.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.

Matters and events of particular note during the period are reported below:

Change of Parent Body Organisation for Nuclear Site Licence Companies

At the end of March 2014 the Nuclear Decommissioning Authority (NDA) announced that the Cavendish Fluor Partnership (CFP) was the preferred bidder to take over the Parent Body Organisation (PBO) role at Magnox Ltd (MXL) and Research Sites Restoration Ltd (RSRL). A transition process is taking place until the end of August 2014, with CFP assuming full control of the nuclear site licence companies on 1 September 2014. In the interim, ONR and the environment agencies have been in dialogue with CFP and NDA to ensure that the PBO: will be ready to take over control of the ten MxL (including Wylfa) and two RSRL licensed sites; will have suitable persons in place to take up nominated roles at the sites; that the sites will continue to comply with safety, security, transport, safeguards, and environmental regulatory requirements; and, appropriate consultation with the site licence companies is taking place. ONR will provide further updates in future SSG reports on progress to complete the transition process and report on any significant organisational changes at the sites proposed by the replacement PBO.

4 REGULATORY ACTIVITY

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.

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

Table 1

Licence Instruments and Enforcement Notices Issued by ONR relating to this period

Date	Type	Ref No	Description
14/5/2014	Approval	LI 561	Approval of an amendment to an operating rule to permit transfer of additional fuel elements from reactor 2 to reactor 1.
17/4/2014	Consent	LI 562	Consent to the lease of land by NDA to Magnox Limited for use by Wylfa power station.

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

5 NEWS FROM ONR

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

Annual Report and Financial Position 2013-14

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.

The report is available on the ONR website (<http://www.onr.org.uk/documents/2014/onr-annual-report-1314.pdf>).

ONR Strategy 2015-2020

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.

The strategy may be downloaded via the public consultations page of the ONR website (<http://www.onr.org.uk/consultations/index.htm>).

6 CONTACTS

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