



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

Report for period: 1 July – 30 September 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/llic/>).

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, 18 July 2014.

11, 12, 13, 14, 15 August 2014.

9, 10, 11, 12 September 2014.

During the period, ONR specialist or project inspectors also carried out inspections relating to site security, incidents that have occurred on the site 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;

staff training, qualifications and experience;

emergency preparedness;

modifications to plant, equipment and safety cases;

organisational capability;

safety mechanisms and devices;

examination, inspection, maintenance and testing;

operating rules and instructions;

management of operations including control and supervision;

radioactive waste management;

radiological protection;

periodic review of safety; and,

decommissioning.

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.

Periodic Safety Review

During the reporting period two meetings have been held at site to discuss the conclusion of ONR's assessment of the licensee's periodic review of safety to underwrite operation from 1 October 2014 to 30 September 2024. ONR has already provided an interim statement to Magnox Limited, that while its assessment work remains to be completed and its findings confirmed, it has not identified any major issue that could affect adversely the safety of the plant during the period covered by the review. However, ONR's assessment has highlighted a number of areas where additional work is needed by the licensee, and the station director has written to ONR to confirm that these matters, together with other pieces of emergent work, will be addressed by them to the timescales agreed for completion of their review. The ONR decision is that subject to completion of the agreed work programme, operation of the station may continue until 30 September 2024 when the current PSR period will end, and this was communicated to the licensee in a letter on 30 September 2014. ONR will monitor progress by the licensee to complete the remaining work, as part of its routine regulation of the site.

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 systems inspected were the Emergency Plume Gamma Monitoring System and the Secondary Dry Storage Cell/Diverse Discharge Route system. On the basis of the inspections carried-out, the systems were deemed to be operated and maintained in accordance with the requirements of the station safety case. Where areas for improvement were identified, station 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.

2.3 Other work

Emergency Planning Consultative Committee (EPCC) Meeting

The Wylfa power station EPCC meeting was attended during the period by the ONR nominated safety inspector designate. 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.

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:

Work on the Reactor Building Roof

ONR reported previously to the SSG that the station determined that conditions on the reactor building roof for periods during the reactor 1 periodic shutdown, required radiation protection controls to be in place to restrict potential exposure to workers in that location. However, their review of work on the roof confirmed that initially the required safety measures were not in place. On realising the circumstances, station halted the work on the roof and restored compliance with the established arrangements to protect workers under the Ionising Radiation Regulations 1999 (IRR99). ONR has now considered the circumstances of this case, together with the corrective action taken at the time, and concluded that an enforcement letter to record the shortfall in compliance, for reference in the future if similar events occur is a proportionate response on this occasion. ONR will continue to monitor compliance with IRR99, as part of its routine regulation of the site.

Station Deployment of Emergency Equipment

ONR observed a demonstration of the operation and deployment of equipment from its beyond design basis (BDB) equipment compound, during an emergency arrangements training exercise at Wylfa power station. The exercise confirmed that the operation and deployment of equipment from the BDB Compound, was deemed to be adequate on the basis of the activities sampled during the demonstration. Following from the exercise, Wylfa has agreed to complete work to improve communications equipment, and to inform ONR when the work is complete. ONR will monitor the provision of the improved equipment as part of its routine regulatory interactions at the site.

Change of ONR Nominated Site Safety Inspector

From the 1 October 2014, there will be a change of nominated site safety inspector (NSSI). The new NSSI intends to attend the next SSG meeting re-scheduled for November 2014, and will introduce himself to the group during the meeting. The previous NSSI would like to thank the members of the Wylfa SSG for their cooperation during his time at Wylfa power station.

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.

- No LIs and/or Enforcement Notices have been issued during the period:

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>).

ONR Strategy 2015-2020

ONR is continuing to seek feedback on its new strategy that has recently 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>).

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