



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

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 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:

11, 12, 13 and 14 July 2016  
22, 23, 24 and 25 August 2016  
22, 22 and 23 September 2016

An ONR Inspector for Transport also undertook inspections on 7 and 8 September 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;
- radioactive waste management;
- staff training, qualifications and experience;
- emergency preparedness;
- incidents on the site;
- radiological protection;

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.

#### 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 defuelling and decommissioning reactors a potential 15 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 Heating, Ventillation and Cooling (HVAC) system. On the basis of the inspections, 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 the 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/interventionreports/index.htm](http://www.hse.gov.uk/nuclear/interventionreports/index.htm)

### Transport Inspection

The transport inspection reviewed Magnox Ltd's arrangements at Wylfa in respect of the safe transport of radioactive material, against the requirements of the Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (as amended 2011). The relevant elements of Magnox Limited's Management System were sampled during this inspection, those documents that were inspected indicated a mature system for off-site transportation of radioactive material. The Package maintenance, filling and consignment operations reviewed during the course of this inspection met planned arrangements and regulatory requirements. In the opinion of the ONR Inspector these aspects of Magnox Ltd's arrangements for the transport of radioactive material are considered acceptable for the purposes of compliance with the requirements of the Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (as amended 2011)..

## **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.

## **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:

Following the non-routine matter reported in Quarter 2 relating to arrangements and procedures for storage of high dose rate items on pile cap were found to be inadequate. Further enquiries into this incident identified that potential risk gap in consideration with the ONR enforcement management model was nil/negligible. However there were a number of non-compliances with legislation and relevant good practice. The Wylfa site director and Plant Manager attended a meeting at Bootle with the ONR site Inspector, Magnox sub-programme delivery lead and the Deputy Chief inspector for the the Sellafield and Decommissioning, Fuel and Waste Programme. During this meeting Magnox Ltd provided a full explanation of the events surrounding this incident and Magnox Ltd's proposals to deliver lasting improvements at Wylfa to prevent further similar events. Whilst these proposals were acceptable ONR intends to increase its regulatory presence at Wylfa from that originally planned for the next two quarters, consequently ONR will undertake additional interventions such that there will be a monthly presence monitoring the improvements being delivered at Wylfa.

## 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 LIs or Enforcement Notices were issued during the period.

## 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>).

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