



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

Report for period 1 April – 30 June 2017

## 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.

## TABLE OF CONTENTS

1	INSPECTIONS .....	3
2	ROUTINE MATTERS .....	3
3	NON-ROUTINE MATTERS .....	4
4	REGULATORY ACTIVITY .....	4
5	NEWS FROM ONR .....	5
6	CONTACTS .....	5

## 1 INSPECTIONS

### 1.1 Dates of inspection

The ONR site inspector made inspections on the following dates during the quarter:

25, 26 and 27 April 2017  
5, 6, 7 and 8 June 2017

ONR site inspector also attended the Wylfa Site Stakeholder Group meeting on 22 June 2017.

## 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:

- management of operations including control and supervision;
- modifications to plant, equipment and safety cases;
- radioactive waste management
- 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 during future visits. Where necessary, ONR will take formal regulatory enforcement action to ensure that appropriate remedial measures are implemented to reasonably practicable timescales.

#### Dry Store Cell 4 (DSC4) – Intermediate Level Waste (ILW) Recovery

Magnox Ltd is undertaking a programme of work to retrieve remaining ILW from Dry Store Cell 4 into waste packages which are suitable for long-term storage.

The programme is well developed. The retrieval equipment is being installed and a programme of testing and active commissioning is due to commence. This programme of work has taken longer than originally expected following an increase in the scope of work to ensure successful implementation and operation of the equipment.

ONR has continued to engage closely with the project and has held meetings to discuss progress and to close out remaining technical issues. ONR is expecting to conduct a

readiness inspection in September 2017 to ensure that Magnox Ltd has satisfied itself that the project can proceed safely.

### 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:

Dry Store Cell 2 - Fault Resulting in slight Damage to Fuel Element Lug

During discharge of a fuel element for flasking some difficulties were encountered. Subsequent investigation identified that a valve on the discharge route had not fully opened causing an element to get very slightly damaged. The situation was addressed and the element subsequently discharged. ONR has confirmed that there were no radiological or nuclear safety implications and the event will be followed up as part of routine regulatory interactions following a full investigation by Magnox Ltd.

Potential Issues with Fire Hazard Safety Case for the Tertiary and Back up Feed Systems

A review, undertaken by Magnox Ltd, of the Consolidated Fire Safety Case for the defuelling phase has identified that additional work is required to demonstrate that the risk from fire to the provision of post fault cooling (following a loss of normal electrical supplies) is reduced so far as is reasonably practicable. This will be addressed in a safety submission, however given the long timescales which are available for responding to a fault, there is no immediate safety issue as there would be ample time to provide the necessary post fault cooling, and there are several different ways of doing so. ONR has confirmed that there were no radiological or nuclear safety implications and the event will be followed up with support from ONR Internal Hazard specialist inspectors following receipt of Magnox Ltd’s investigation report.

Reactor 2, High level of contamination found at standpipes

During a routine contamination survey of Reactor 2 standpipes, several standpipes were found to have high contamination readings. ONR has confirmed that there were no immediate radiological or nuclear safety implications and the event will be followed up as part of routine regulatory interactions following a full investigation by Magnox Ltd.

### 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 have been issued during the period:

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

Date	Type	Ref No	Description

## 5 NEWS FROM ONR

### **ONR Chair awarded CBE**

In the Queen's Birthday Honours announced in June, Chair of the Office for Nuclear Regulation, [Nick Baldwin](#), was appointed a Commander of the Order of the British Empire for services to nuclear safety and security in Britain and to the charitable sector.

### **Regulatory Research Report published**

ONR has published its [annual regulatory research report](#) which describes the [research activities](#) we have conducted in the past year.

The report includes case studies showing how our research strategy has helped support our regulatory approach, and helps to inform the development of best practice. It can be viewed at [www.onr.org.uk/research](http://www.onr.org.uk/research)

### **Regulation Matters**

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>).

## 6 CONTACTS

Office for Nuclear Regulation

Redgrave Court

Merton Road

Bootle

Merseyside

L20 7HS

website: [www.onr.org.uk](http://www.onr.org.uk)

email: [ONREnquiries@onr.gsi.gov.uk](mailto:ONREnquiries@onr.gsi.gov.uk)

This document is issued by the Office for Nuclear Regulation (ONR). For further information about ONR, or to report inconsistencies or inaccuracies in this publication please visit <http://www.onr.org.uk/feedback.htm>.

© Office for Nuclear Regulation, 2017

If you wish to reuse this information visit [www.onr.org.uk/copyright.htm](http://www.onr.org.uk/copyright.htm) for details.

Published 08/17

*For published documents, the electronic copy on the ONR website remains the most current publicly available version and copying or printing renders this document uncontrolled.*