



# Office for Nuclear Regulation (ONR) Site Report for Wylfa

Report for period 1 July - 31 December 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 to members for the Wylfa SSG and are also available on the ONR website (<http://www.onr.org.uk/lrc/>).

Site inspectors from ONR usually attend SSG meetings where these reports are presented 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 .....	5
5	NEWS FROM ONR .....	5
6	CONTACTS .....	6

## 1 INSPECTIONS

### 1.1 Dates of inspection

The ONR site inspector made inspections on the following dates during the reporting period 1<sup>st</sup> July to 31<sup>st</sup> December 2017

3-4 July  
25-27 July  
14 September  
20-21 September  
24-26 October  
4-7 December

An ONR fire safety specialist inspector undertook an inspection on 14 September. ONR conventional safety specialist inspectors undertook an inspection on 19 July.

## 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 Wylfa covered the following:

- examination, maintenance, inspection and testing;
- management of operations including control and supervision;
- staff training, qualifications and experience;
- modifications to plant, equipment and safety cases;
- plant construction and/or commissioning;
- emergency preparedness;
- radiological protection;
- radioactive waste management;
- decommissioning;
- organisational changes;
- quality assurance and records;
- industrial 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 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 (DSC 4) - Intermediate level radioactive waste (ILW) recovery

Magnox Limited (ML) is undertaking a programme of work to retrieve remaining ILW from DSC 4 into waste packages which are suitable for long-term storage. ML requested ONR approval under its arrangements to lift the hold point to commence retrieval of DSC4 ILW. Following assessment of the safety case and readiness inspection to gain evidence to inform its permissioning decision, ONR lifted the hold point and ML has commenced retrieval operations.

#### Improvement Notice Close-Out

On 31st July 2017, ONR wrote to ML confirming that it had complied with the requirements of Improvement Notice requiring ML to review (and if necessary revise) the documented arrangements for managing asbestos containing materials present on the Wylfa licensed site.

ONR considered that notwithstanding the work ML had undertaken to date, concerns remain regarding the risk presented by asbestos containing materials (ACMs) located at the Wylfa site. ML also has a substantial amount of work outstanding to fully implement the revised arrangements. These need to translate into actions that result in asbestos hazard and associated risk reduction at the Wylfa site.

As a result, regulatory attention will be maintained by ONR to ensure ML maintains the necessary focus on asbestos management at the Wylfa site and the need for further regulatory action will be considered as this work progresses.

#### Emergency Exercise Charlie 17

ONR inspectors witnessed “Exercise Charlie 17”, a safety exercise designed to demonstrate the effectiveness of the post-generation emergency arrangements at Wylfa. The inspectors judged that the elements of the exercise witnessed demonstrated a good level of command and control. During the meeting immediately following the exercise ONR confirmed that it had identified only minor areas for improvement; these had also been identified by ML staff. Consequently, given the successful demonstration exercise, the improvements established from the previous exercise and identifying further areas for improvement from this exercise the arrangements were judged by ONR to be adequate.

### **2.2 Other work**

The site inspector held a periodic meeting with safety representatives, to support their function of representing employees and receiving information on matters affecting their health, safety and welfare at work.

## **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.

There were no such matters or events of significance to report during the period.

## 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

### **New nuclear power station design approved**

The UK Advanced Boiling Water Reactor (UK ABWR), designed by Hitachi-GE, is suitable for construction in the UK, the regulators confirmed following completion of an in-depth assessment of the nuclear reactor design. The Office for Nuclear Regulation (ONR), the Environment Agency and Natural Resources Wales, the regulators who undertake the Generic Design Assessment of new reactor designs, are satisfied that this reactor meets regulatory expectations on safety, security and environmental protection at this stage of the regulatory process.

ONR has issued a Design Acceptance Confirmation (DAC) and the environment agencies have issued a Statement of Design Acceptability (SoDA) to Hitachi-GE.

### **Step 2 of nuclear reactor assessment**

We also announced on 16 in November that we are progressing to the next phase of our assessment of General Nuclear System Ltd's UK HPR1000 reactor technology. This means we will now begin the technical assessment phase. Additionally, all members of the public can give their views and find out more information about the design by going to UKHPR 1000 website at [www.ukhpr1000.com](http://www.ukhpr1000.com)

### **ONR response to BEIS impact assessment**

The Department for Business, Energy and Industrial Strategy (BEIS) has recently published its Impact Assessment of the Nuclear Safeguards' Bill and that makes reference to ONR's regulation. We contacted BEIS to clarify two points within the document as part of our ongoing constructive engagement with them to develop a domestic safeguards regime as part of exiting Euratom. The first is that ONR regulates the nuclear industry, it does not provide services to it. Secondly, the Government's policy has developed since the assessment was undertaken and the intention is to put in place a regulatory framework which is robust and as comprehensive as Euratom. This means that we are not in a position to identify potential efficiencies in our regulatory approach at this stage.

As we support BEIS in its development of secondary legislation, we will provide advice to the Government to inform the anticipated impact assessment for nuclear safeguards regulation.

## 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, 2018

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

Published 01/18

*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.*