



Office for Nuclear Regulation (ONR) Site Report for Wylfa

Report for period 1 January 2021 – 30 June 2021

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 Site Stakeholder Group (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 | 4 |
| 5 | NEWS FROM ONR..... | 5 |
| 6 | CONTACTS..... | 7 |

1 INSPECTIONS

1.1 Dates of inspection

Our inspectors attended Wylfa site on the following dates:

- 23 to 25 March 2021
- 20 May 2021

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 e.g. the Ionising Radiations Regulations 2017 (IRR17) 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 and security. The licensee is required to make and implement adequate arrangements under conditions attached to the licence to ensure legal compliance. Inspections seek to judge both the adequacy of these arrangements and their implementation.

In this period, we carried out the following inspections at Wylfa:

- The licensee's implementation of Covid-19 risk reduction measures
- LC 06: Documents, Records, Authorities and Certificates
- LC 07: Incidents on the site
- LC 08: Warning Notices
- LC 09: Instructions to persons on the site
- Nuclear Industries Security Regulations (NISR) 2003 (as amended).

We judged the arrangements made and implemented by the site in response to safety and security requirements to be adequate in the areas inspected. ONR continues to monitor information and cyber security improvements at the site against an improvement schedule. Wylfa continues to promote security outcomes and is making progress in completing identified improvements.

2.2 Other work

Throughout this reporting period our nominated site safety inspector has continued to hold bi-weekly videoconference meetings with a Wylfa leadership team representative to maintain situational awareness on matters related to nuclear safety, security,

safeguards, transport and conventional and health and safety, including: workforce resilience, emergency arrangements resilience, supply chain resilience, events on the site and activities taking place on the site. No significant issues were highlighted to ONR.

We are keeping our engagements with Wylfa under review and are alert to the need to balance completion of planned inspections with Welsh Government and local area Covid-19 rules. This includes undertaking some interactions by videoconference, email and telephone (as appropriate) to optimise physical presence on the site.

3 NON-ROUTINE MATTERS

Licensees are required to have arrangements to respond to non-routine matters and events. Our inspectors judge the adequacy of the licensee’s response, including actions taken to implement any necessary improvements.

Wylfa has not reported any safety related incidents to ONR during the period.

In response to the Covid-19 pandemic all 12 of Magnox Limited’s licensed nuclear sites have put arrangements in place to minimise the potential for on-site transmission of this virus. Since exiting their planned operational pause period, the sites have returned to a new “normal” with many staff now working from home to limit numbers on the site (as appropriate to role), with project work restarted to ensure safe and timely decommissioning activities.

Emergency preparedness is maintained through a duty cover team at each site in accordance with emergency arrangements approved by us. These arrangements include the provision to call in additional personnel and the emergency services onto site to assist Magnox Limited staff. These plans have been regularly rehearsed and observed by our inspectors during emergency exercises in the recent past. Magnox Limited has not reported any issues that may affect the site’s safe status.

4 REGULATORY ACTIVITY

We may issue formal documents to ensure compliance with regulatory requirements. Under nuclear site Licence Conditions (LC) we issue regulatory documents which either permit an activity or require some form of action to be taken. These are collectively termed ‘Licence Instruments’ (LIs). In addition, inspectors may issue enforcement notices to secure improvements to safety.

There were no LIs or enforcement notices issued to Wylfa during this report period:

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

| Date | Type | Ref No | Description |
|------|------|--------|-------------|
| | | | None |

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

5 NEWS FROM ONR

Below are summaries of key activities over the last six months. Further detail is available on our [website](#).

Covid-19 (Coronavirus) (ONR position)

We are continuing to obtain assurance that nuclear site licensees and other dutyholders are adequately resourced to continue to safely and securely carry out their activities. We remain satisfied with industry's response at this time and there has been no significant change to dutyholders' safety and security resilience.

All licensed sites are required to determine minimum staffing levels necessary to ensure safe and secure operations and contingency arrangements in the event that these levels are not met. This condition is specifically designed to ensure that industry can adequately manage and control activities that could impact on nuclear safety and security under all foreseeable circumstances, including pandemics.

Although our staff continue to work primarily at home, (carrying out as much of our work as possible via videoconference, phone and email), we are carefully and progressively increasing our site footprint. We continue to assess our on-site presence in line with government guidelines and our business needs, ensuring we have a balanced portfolio of on-site inspections and interventions, that are important to support effective regulation across our purposes.

Our latest position can be found on our [website](#).

Enforcement Action

In January, we agreed to extend two [Improvement Notices](#) served on the Atomic Weapons Establishment (AWE), recognising the good progress made so far. The Notices, which were served in June 2019, relate to the way the company controls changes to organisational structure and resources which may affect safety.

In January, we served an [Improvement Notice](#) on Sellafield Ltd following a number of electrical safety incidents across the site. While we are satisfied that Sellafield Ltd is currently meeting the high standards expected with regards to nuclear safety, as a regulator we require sustained improvements in the area of electrical safety.

In February, we served an [Improvement Notice](#) on Morgan Sindall Construction and Infrastructure Ltd after workers came close to striking a live high voltage electric cable during excavation work at the Sellafield site. Nobody was harmed in the incident on 7 October 2020, and there was no impact on the public or the environment. However, the incident posed a serious risk to workers who were operating within one metre of the 11kV cable.

In April, we announced that EDF [complied](#) with a Direction we served on 14 December 2020, under the Pressure Systems Safety Regulations (2000). This followed an inspection, at which we found a number of pressure system components at Heysham 1 Power Station were overdue their scheduled examination.

In May, we agreed to [extend an improvement notice](#) served on EDF in September 2020, recognising the progress made so far. The notice was served after some of the

equipment used to measure reactor power at Heysham 2 was incorrectly configured. We judged that Heysham 2 is able to operate safely, and that additional time to demonstrate the required improvements will not pose a risk to safety. EDF must now comply with the improvement notice by 31 July 2021.

In June, we announced that Rolls-Royce Submarines Ltd (RRSL) had [complied](#) with an improvement notice served on 29 May 2020. The notice was served after RRSL operators brought 21 units of fissile material into the facility – which exceeding the limit defined within the safety case and set out in the Criticality Control Certificate for the facility.

Regulatory Updates

In March, we published a response on our [website](#) to a BBC report relating to Sellafield. We were naturally concerned to hear the claims, particularly any suggestion that staff have been subjected to racist abuse of any kind. As a regulator, if we had any concerns or evidence that bullying and harassment was impacting safety at the site, we would take robust action to ensure this is addressed as a matter of urgency.

In March, we [published](#) an article about how we responded to the serious nuclear accident at the Fukushima Dai-ichi nuclear power plant in 2011 to mark the 10th anniversary.

In March, we gave [EDF permission](#) for Reactors 3 and 4 at Hinkley Point B power station to return to service for a limited period of operation. Permission for Reactor 3 will allow it to operate to a core utilisation of 17.55 terawatt days, while permission for Reactor 4 is to operate to a core utilisation of 17.3 terawatt days, which equates to two periods of approximately six months operation for each reactor.

Stakeholder Engagement

In February, we encouraged interested parties to take part in a [Nuclear Energy Agency \(NEA\)](#) survey about building and maintaining trust between nuclear safety regulators and the stakeholders they engage with.

In February, we provided an update about the [leadership structural](#) changes we initially announced in December 2020. Under existing contractual arrangements, current Chief Executive Adrienne Kelbie CBE was always expected to step down as her extended term of office comes to an end in January 2022.

In February, we announced that we had appointed [Donald Urquhart](#) to the newly-created role of Executive Director of Operations, which will form part of our new leadership structure. As Executive Director of Operations, Donald will be responsible for leading our regulatory work.

In March, we announced that as part of our new leadership arrangements, we had [appointed three new deputy chief nuclear inspectors](#) (DCIs) to our regulatory and senior leadership teams: Jane Bowie, Paul Dicks and Steve Vinton, currently all senior superintending inspectors at ONR. All three new DCIs have a strong track record of delivering regulation across the organisation and will help us maintain a focus on our Strategy 2020-25.

In April, we published an [article](#) introducing our newest board member, Jean Llewellyn, who joined us in October 2020, as security lead. Jean brings with her a wealth of experience, including serving as a non-executive director on the board of the World Institute for Nuclear Security since 2018 – which has given her a good understating of the global security challenges facing the nuclear industry.

In May, we issued our e-bulletin '[ONR News](#)' to subscribers. This issue included farewell reflections from our outgoing chief executive, a leadership update, further information on our COVID -19 response, and the results of our latest stakeholder survey. You can sign up for our e-bulletin [here](#)

On 1 June, we [announced](#) the full implementation of our new leadership structure. Mark Foy is now our combined Chief Executive and Chief Nuclear Inspector. He is supported by Sarah High as Deputy Chief Executive, and Donald Urquhart as Executive Director of Operations.

In June, we published our new [Corporate Plan for 2021/22](#), which sets out our key priorities to protect the public by securing safe nuclear operations.

In June, our State System of Accounting for and Control of Nuclear Material (SSAC) project - which saw ONR become the UK's national nuclear safeguards regulator from 31 December 2020, was [shortlisted for a national award](#) in the Project Management Institute's UK National Project Awards in the 'Project of the Year (Public Sector)' category.

Nuclear safeguards are measures to verify that countries comply with international obligations not to use nuclear materials from civil nuclear programmes for non-peaceful purposes.

All our latest news is available at www.onr.org.uk.

6 CONTACTS

Office for Nuclear Regulation
Redgrave Court
Merton Road
Bootle
Merseyside
L20 7HS
website: www.onr.org.uk
email: Contact@onr.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, 2021

If you wish to reuse this information visit www.onr.org.uk/copyright.htm for details.

Published 08/21

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.