



Office for Nuclear Regulation (ONR) Site Report for Devonshire Dock Complex, Barrow

Report for period 1 April – 30 June 2018

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 BAE Systems Marine Limited Local Liaison Committee (LLC) and are also available on the ONR website (<http://www.onr.org.uk/lc/>).

Site inspectors from ONR usually attend BAE Systems Marine Limited LLC 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.

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1 INSPECTIONS

1.1 Dates of inspection

The ONR inspectors visited the site on the following dates during the report period 1 April to 30 June 2017:

- 20 April 2018
- 23-24 April 2018
- 01 May 2018
- 09 May 2018
- 14-15 May 2018
- 22-24 May 2018
- 26-28 June 2018

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 the 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 the Devonshire Dock Complex, Barrow covered the following:

- Radiological Protection
- Incidents on the site
- Plant design and status

Radiological Protection

ONR inspectors attended site for an intervention focussing on the licensee's implementation of arrangements for Ionising Radiation Regulations 2017 (IRR 17) and Licence Condition 18 (LC 18 - Radiological protection). Areas targeted included; arrangements for how the licensee manages compliance of non-destructive testing and radiography; and general radioactive source control, management and supporting dosimetry processes.

Based on the inspection findings, ONR concluded that the licensee has adequate arrangements in place for IRR 17 and LC 18.

Incidents on the site

An ONR inspector attended site to conduct an intervention against Licence Condition (LC7 - Incidents on site). This intervention covered; notification, recording, investigating and reporting

of such events occurring on site. The intervention also considered management of corrective actions and utilisation of learning material.

Based on the inspection of the licensee's arrangements for compliance with LC7, ONR has identified areas where shortfalls exist against relevant good practice, particularly with respect to incident investigation. Whilst there are elements of good practice, the arrangements do not demonstrate compliance across all of the requirements of LC7. It was noted that the licensee has, itself, already identified many of the inspection findings and is working to address them. ONR will monitor this work through routine regulatory engagement.

Plant design and status

ONR inspectors attended site to conduct a themed intervention on "plant design & status" which considered the adequacy of licensee's arrangements for licence condition 19 (LC 19 - construction or installation of new plant), licence condition 20 (LC 20 - modification to design of plant under construction), licence condition 21 (LC 21 - commissioning) and licence condition 22 (LC 22 - modification or experiment on existing plant). This focussed on construction, modification and commissioning activities, both completed and in-progress.

Based on the inspection findings, ONR considers that the arrangements for LC 19, 20 and 21 are adequate. Areas for improvement were identified for LC22 arrangements with respect to the classification of modifications and the management and tracking of modifications – ONR will continue to engage with BAESML to seek the required improvement in this area. Overall, ONR considers that the implementations of the site's arrangements with respect to "plant design and status" are adequate.

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.

2.2 Other work

ONR Inspectors attended a routine level 3 regulatory engagement 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.

ONR was notified of an event that occurred on 20 April where a motor on an extraction unit caught fire within a facility on the licenced site. The fire was quickly extinguished and no one was harmed. The fire is thought to have been caused by overheating of elements within the motor box of the extraction unit. BAESML are inspecting all other similar extraction systems within the facility to ensure other units are not at risk of a failure. ONR will monitor this work and any remedial action through routine regulatory engagement.

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.

Following a review of appropriate documentation and engagement with the site, ONR approved BAESML's revised arrangements for "Nuclear Safety Committee terms of reference" and "urgent safety proposals" under licence condition 13 (LC – Nuclear Safety Committee)

- The following LIs, Enforcement Notices and Enforcement letters have been issued during the period:

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

Date	Type	Ref No	Description
04/06/2018	Licence Instrument	LI 517	Approval of Nuclear Safety Committee terms of reference under LC 13(3)
04/06/2018	Licence Instrument	LI 518	Approval of Nuclear Safety Committees arrangements for advice on urgent safety proposals under LC 13(11)

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

5 NEWS FROM ONR

Stakeholder Engagement

- On 09 May, we held our annual Industry Conference, with the theme - 'Public Safety – everyone's responsibility.' Delegates from more than 45 different organisations attended, and we were delighted that Richard Harrington, Parliamentary Under Secretary of State, Minister for Business and Industry, was able to join us to deliver a keynote speech. The conference provided us with an opportunity to engage directly with senior representatives from across industry and government on a number of topical and strategic issues affecting the sector.
- As part of our continued stakeholder engagement work, we welcomed finance professionals from a number of nuclear site licensees and dutyholders to seminars in London and Birmingham in June. Led by our Finance Director, Sarah High, we hosted the seminars to provide the industry with a better understanding of our charging methodology, the principles we apply, and how the charging process works. To accompany the seminars we have also published a new booklet – [How we charge for Nuclear Regulation](#) – which is available on our [website](#).
- The next ONR/ Non-Governmental Organisation (NGO) engagement forum will take place on 11 October in London. This is a forum to discuss strategic, cross-cutting regulatory matters. Site specific matters are normally addressed via Site Stakeholder Groups. We are always keen to engage with a range of stakeholders and groups on nuclear safety and security issues, so if you do represent a nuclear-interest NGO, and are not already involved through our forum or via a Site Stakeholder Group, then please get in touch with the ONR Communications team for further details, via contact@onr.gov.uk

Regulatory News

- A delegation from ONR, led by Chief Nuclear Inspector Mark Foy, supported the UK's contribution to the 6th Joint Convention review meeting in Vienna. Bringing together 78

countries from around the world, the Joint Convention on the Safety of Spent Fuel Management and the Safety of Radioactive Waste Management is the world's leading international forum for ensuring society and the environment are protected from hazards arising from spent fuel and radioactive waste. Further details can be found on the [IAEA website](#).

- We have notified Sellafield Ltd of our intention to prosecute the company for offences under Section 2 (1) of the Health and Safety at Work etc. Act (1974). The charge relates to an incident on 5 February 2017, at a facility which handles special nuclear materials, which resulted in personal contamination to a Sellafield Ltd employee. The decision to prosecute follows an ONR investigation into the incident
- In May we awarded the contract for delivery of the UK Nuclear Safeguards Information Management and Reporting System (SIMRS) IT system to Axis 12 Ltd. The IT system is necessary for us to establish a domestic safeguards regime after the UK's withdrawal from the Euratom Treaty. The government has now launched a consultation on Nuclear Safeguards Regulation, further details can be found on our [website](#).

Corporate News

- In May we published a self-assessment exercise to update on how well our activity currently aligns with the Regulators' Code, which came into effect in April 2014 to provide a framework for how regulators should engage with those they regulate. The full report is available on our [website](#).
- In June we published our Annual Report and Accounts highlighting the extent of our regulatory activities. During 17/18, over 1,000 inspections were carried out across 36 licensed sites and transport dutyholders, ensuring the required standards of safety and security were met to protect the public and workers. The full report is available on our [website](#).
- In July we published our second [gender pay report](#). The organisation-wide results show that ONR has a mean gender pay gap of 35.2%, which is wider than last year. This is broadly similar to the rest of the UK nuclear industry and anticipated given our workforce profile, and that of the industries from which we have historically recruited. ONR is committed to addressing this issue and continues to focus on improving diversity and inclusion.
- Our Chief Executive, Adrienne Kelbie, has agreed a three-year contract extension, taking her term of employment to January 2022.

6 CONTACTS

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