



**Office for Nuclear Regulation (ONR)  
Quarterly Site Report for  
Rolls-Royce Marine Power Operations Limited  
(RRMPOL) Raynesway, Derby  
Nuclear Fuel Production Plant (NFPP) and Neptune  
Reactor Licensed Sites**

**Report for period January 2016 to March 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 Rolls-Royce Local Liaison Committee and are also available on the ONR website (<http://www.onr.org.uk/llc/>).

Site inspectors from ONR usually attend Rolls-Royce Local Liaison Committee 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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## INSPECTIONS

### 1.1 Dates of inspection

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

- 25, 26, 27 & 28 January 2016
- 09, 10 & 11 February 2016
- 01, 16, 23 & 24 March 2016

Other ONR inspectors participated in interventions with the licensee on the following dates in the quarter:

- 07 & 27 January 2016
- 10, 11 & 25 February 2016
- 15, 16, 17, & 24 March 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 the licensed sites covered the following:

- staff training, qualifications and experience;
- management of operations including control and supervision;
- plant construction and/or commissioning;
- examination, maintenance, inspection and testing; and
- industrial safety.

A build assurance and LC 19 compliance inspection was carried out on the construction site. The inspection found that corrective actions had been taken to resolve previous inspection findings and the current arrangements for the construction or installation of new plant were judged to be adequate.

A team of ONR inspectors carried out a 'system based inspection' of the criticality control system in one of the facilities. The inspection concluded that the system meets the requirements of the safety case and fulfils its safety function. A number of opportunities for improvement were identified which RRMPOOL readily agreed to address. Compliance with the licence conditions sampled by the inspection was judged adequate.

ONR Conventional Fire Safety Specialists undertook a routine inspection of the facilities on the NFPP site and construction site. The Inspectors judged that the licensee's compliance was adequate overall with some areas for improvement identified.

ONR presented the conclusions of the 'Leadership and Management for Safety' Review which showed an improvement on the previous review, particularly in the management focus on safety. Some opportunities for improvement were identified and ONR was pleased to note that RRMPOLE has improvement programmes already implemented in these areas. ONR will continue to monitor progress throughout the year.

An ONR Conventional Safety Specialist undertook a routine inspection of conventional safety hazards including asbestos management, machine guarding and welfare. The inspection identified some shortfalls relating to the management of asbestos and welfare provisions, however no areas of immediate concern were found. RRMPOLE is taking action to resolve the findings.

The Site Inspector and a Human Factors Specialist Inspector carried out an LC 26 (Control & Supervision) compliance inspection. The inspection concluded that control and supervision of operations which may affect safety is adequate. The inspection identified an opportunity to improve the detail and clarity of LC 26 procedures and RRMPOLE is taking action to address this.

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.

A copy of the Executive Summary of intervention records is published on ONR's website (<http://www.onr.org.uk/intervention-records/>).

## **2.2 Other work**

The new site inspector held an initial 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.

In the period an incident was notified to ONR relating to the operation of the protection system on the zero power Neptune reactor. The reactor was subcritical at the time and the event did not have any immediate safety significance. The incident is being dealt with in accordance with the licensee's arrangements, which are deemed to be adequate. ONR is monitoring the licensee's investigation into the event.

## **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. There were no LIs or Enforcement Notices issued during the period.

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

## 5 NEWS FROM ONR

### 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. 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>).

### Chief Nuclear Inspector appointment

ONR announced the appointment of Dr Richard Savage as its new Chief Nuclear Inspector (CNI) to lead our regulatory activity. Richard is a Chartered Engineer with an extensive background in nuclear safety and regulation. He served as Head of the Defence Nuclear Safety Regulator, Ministry of Defence, before being appointed to ONR as a Deputy Chief Nuclear Inspector in 2013. He was Acting CNI since Dr Andy Hall's retirement in November 2015.

### ONR Strategic Plan 2016-2020

In March, ONR published its Strategic Plan covering 2016-2020. The plan sets out the factors that will influence our work and the assumptions we have made about regulating the nuclear sector in the next few years, as well as how we deliver the commitments we have made to the public, ministers and government, licensees, duty holders and our staff. The plan was laid in Parliament on 22 March and can be viewed on the ONR website.

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