



**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 1 April 2014 to 30 June 2014

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 of the Rolls-Royce Local Liaison Committee and are also available on the ONR website (<http://www.onr.org.uk/lc/>).

Site Inspectors from ONR usually attend the Rolls-Royce Local Liaison Committee meetings and will respond to any questions raised there. Any person wishing to enquire about matters covered by this report should contact ONR.

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1 INSPECTIONS

1.1 Dates of inspection

The ONR Site Inspector made inspections or held other intervention activities on the following dates during the quarter:

- 2, 3, 7, 8 & 30 April
- 1, 13 & 14 May
- 4, 26 & 30 June

Other ONR Inspectors participated in interventions with the Licensee on the following dates in the quarter:

- 2, 7 & 8 April
- 4, 13 & 16 May
- 4, 26 & 30 June

The Head of ONR's Propulsion Sub-Programme participated in interventions with the licensee on the following dates in the quarter:

- 3 & 30 April
- 1 May

NB. The majority of interventions take place on the licensed sites. Occasionally they take place at other locations e.g. ONR offices.

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);
- provisions of 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 (i.e. RRMPOL'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 ONR inspections of covered the following:

- radiological protection;
- supply chain management;

In several instances ONR judged through the inspections that the arrangements made and implemented by the site in response to safety requirements were not adequate. 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.

RRMPOL have continued construction activities as part of the Core Production Capability Regeneration Project. During this period RRMPOL have reported progress against their plans to improve the build assurance arrangements. In May, Health and Safety Executive construction conventional safety Inspectors undertook two inspections on the construction sites with regard to temporary works and control of contractors. Neither inspections identified any matters of evident concern. During this period ONR Inspectors attended an early engagement meeting at which RRMPOL outlined their approach to commissioning and the Inspectors outlined ONR's expectations.

For the NFPP Site, ONR have continued engagement with RRMPOL in respect of the Periodic Review of Safety (PRS) for the site. A PRS is required every 10 years as a condition of the nuclear site licence. Our team of specialist inspectors have continued to follow up matters arising from the PRS assessment completed at the end of November 2012, in line with ONR due processes. ONR is due to report on the adequacy of progress at the end of November 2014.

At the Neptune site, ONR has continued early engagement with RRMPOL regarding the plan and scope of three related activities i.e. the Periodic Review of Safety for the Neptune site, upgrades to the Neptune reactor, and the production of a new safety cases. As a result of these engagements RRMPOL are proposing to revise their strategy for optimising the activities.

2.2 Other work

In April the Site Inspector attended a meeting of the Rolls-Royce Local Liaison Committee. At the meeting he talked through the information provided in the last two quarterly reports.

During this period 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. During this period there was one non-routine incident reported under RRMPOL's arrangements made for compliance with Site Licence Condition 7 (Incidents on the Site). The incident, involved the off-site power supply feeding the NFPP site being interrupted and subsequently becoming intermittent. This affected on site services including the ventilation extract system for buildings. In line with existing RRMPOL arrangements a partial muster of operations staff took place. There was no radiological dose uptake to workers and no release to the environment due to this event. RRMPOL's investigation is underway and ONR is satisfied that the actions taken by RRMPOL are appropriate and in accordance with those expected of a licensed site. ONR are monitoring the follow-up by RRMPOL to apply lessons learned from this incident.

4 REGULATORY ACTIVITY

ONR inspectors, specialist inspectors and HSE inspectors 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

Insight into ONR's work as an independent regulator of the nuclear industry can be found in ONR's Quarterly News. The online publication (<http://www.onr.org.uk/onr-quarterly-report.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. <http://www.onr.org.uk/index.htm>. For the latest news and updates from ONR visit the website and sign up for our ebuletin

6 CONTACTS

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