

**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 January 2014 – 31 March 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 ([www.hse.gov.uk/nuclear/lc](http://www.hse.gov.uk/nuclear/lc)).

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.

## 1 INSPECTIONS

### Dates of inspection

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

21,27 and 28 January

3,5,7 and 26 February

24,25,26 and 28 March

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

27 and 28 January

3,6,7 and 26 February

24,25,26 and 28 March

The ONR Superintending Inspector participated in interventions with the licensee on the following dates:

3 and 5 March

HSE health and safety inspectors participated in interventions on the following dates:

7 and 26 February

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

### Interventions

Interventions (including inspections) are undertaken as part of the process for monitoring compliance with:

- the conditions attached by HSE / ONR to the nuclear site licence granted under the Nuclear Installations Act 1965 (NIA65) (as amended);
- the Health and Safety at Work Act 1974 (HSWA74); and
- regulations made under HSWA74, for example the Ionising Radiations Regulations 1999 (IRR99), the Radiation (Emergency Preparedness and Public Information) Regulations 2001 (REPPPIR), 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 sites covered the following:

- modifications to plant, equipment and safety cases;

- plant construction and/or commissioning;
- emergency preparedness;
- incidents on the site;
- periodic safety review;
- industrial safety;

Where inspections have identified the need for improvements to be made to the arrangements, the licensee has made 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.

During this period RRMPOLE have continued construction activity associated with the building and structure of the new Manufacturing Facility 1st Build (MF1B) which is a part of RRMPOLE's Core Production Capability (CPC) Regeneration project. When complete, this facility will replace the existing Clean Shop. Towards the end of the last quarter RRMPOLE identified that deficiencies in the application of their build assurance arrangements had led to part of the foundation structure being built outside the specified tolerances. However, RRMPOLE consider that with appropriate remediation work they will be able to meet the design intent for nuclear safety. ONR encouraged RRMPOLE to undertake a robust and comprehensive investigation into the root causes in order to ensure that the lessons to be learnt for the full range of future construction activities were identified. ONR consider that an adequate investigation has been completed by RRMPOLE during this reporting period and ONR concurs with the approach RRMPOLE are planning to adopt to improve build assurance arrangements.

On the 6 February an ONR Fire Safety Inspector undertook a follow-up inspection on the NFPP licensed site. The inspection related to fire safety during construction and it included observing a fire drill which was effective. On the 7 February two HSE health and safety inspectors specialising in construction safety inspected the construction activities on the NFPP licensed site. On the 27 February an HSE general health and safety inspector inspected both licensed sites. The inspections on 7 and 27 February were largely familiarisation visits and neither identified matters of evident concern.

For the NRPP licensed site, ONR have continued engagement with RRMPOLE in respect of the Periodic Review of Safety (PRS) for the site. A PRS is normally 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 are in early engagement with RRMPOLE regarding the plan and scope of the Periodic Review of Safety for the Neptune site, upgrades to the Neptune reactor, and the production of a new safety case.

### **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 were no non-routine matters or events requiring further investigation.

#### **4 REGULATORY ACTIVITY**

Under health and safety legislation, ONR site inspectors, specialist inspectors and other 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.

Reports detailing regulatory decisions can be found on the ONR website at [www.hse.gov.uk/nuclear/pars](http://www.hse.gov.uk/nuclear/pars).

#### **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 ([www.hse.gov.uk/nuclear/onr-quarterly-report.htm](http://www.hse.gov.uk/nuclear/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, as it progresses toward becoming an independent statutory corporation. [www.hse.gov.uk/nuclear/index.htm](http://www.hse.gov.uk/nuclear/index.htm). For the latest news and updates from ONR visit the website and sign up for our ebulletin ([www.hse.gov.uk/nuclear/ebulletin/index.htm](http://www.hse.gov.uk/nuclear/ebulletin/index.htm)).

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