



Office for Nuclear Regulation (ONR) Quarterly Site Report for Vulcan Naval Reactor Test Establishment

Report for period 01 January to 31 March 2017

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 Dounreay Stakeholder Group and are also available on the ONR website (<http://www.onr.org.uk/lrc/>).

Site inspectors from ONR usually attend Dounreay Stakeholder Group 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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Vulcan Naval Reactor Test Establishment (NRTE)

The majority of sites inspected by ONR are licensed under the Nuclear Installations Act 1965 (as amended). Vulcan NRTE is not a licensed site although it operates under Authorisation from the Ministry of Defence (MoD) Defence Nuclear Safety Regulator (DNSR). The site is adjacent to the Dounreay licensed site and is regulated by ONR through other legislation as noted below. This report summarises ONR inspection and other regulatory activities associated with Vulcan NRTE which are co-ordinated with inspections by DNSR.

1 INSPECTIONS

1.1 Dates of inspection

During this period no on-site inspections were undertaken by ONR. However, the ONR Site Inspector participated in a regulatory interface meeting with the NRTE Vulcan Defuel and Decommissioning (VDAD) project team.

2 ROUTINE MATTERS

2.1 Inspections

Inspections are undertaken as part of the process for monitoring compliance with 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).

No on-site inspections were undertaken this quarter.

2.2 Other work

The ONR Site Inspector participated in a regulatory interface meeting with the NRTE Vulcan VDAD project team in relation to regulatory requirements and considerations associated with options for the remaining phases of operation and decommissioning.

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.

There were no such matters or events of significance during the period.

4 REGULATORY ACTIVITY

ONR inspectors may issue formal documents to ensure compliance with regulatory requirements. No such documents were issued during this period.

5 NEWS FROM ONR

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 on-going changes at ONR. For the latest news and updates from ONR visit the website and sign up for our e-bulletin: <http://www.onr.org.uk/index.htm>.

New reactors update:

- ONR received a request from Government to begin the Generic Design Assessment process for the UK HPR1000 in January. The reactor is now in Step 1 of the GDA process.
- On 30 March, ONR issued Design Acceptance Confirmation for the AP1000 nuclear reactor, designed by Westinghouse. The regulators required 51 GDA issues to be resolved before confirming suitability of the design.
- ONR granted its first consent for the start of construction at Hinkley Point C licensed site. The consent covers the placement of the structural concrete for the first nuclear safety-related structure at the site.
- On 31 March, Horizon Nuclear Power submitted its application for a nuclear site licence to build and operate two UK Advanced Boiling Water Reactors at Wylfa Newydd on Anglesey.

Quarterly statement of civil incidents

ONR published its quarterly statement of civil incidents reporting on the period October-December 2016. There was one incident which met ministerial reportable criteria at Dounreay involving contamination of workers' clothing. There was no detectable intake of radioactive material by any of the people involved in the incident.

6 CONTACTS

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