



Office for Nuclear Regulation (ONR) Quarterly Site Report for Dungeness A

Report for period 1 April 2015 – 30 June 2015

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

Site inspectors from ONR usually attend Dungeness Site 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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1 INSPECTIONS

1.1 Dates of inspection

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

20 – 21 April 2015

18 – 20 May 2015

9 June 2015

In addition to safety inspections made by the nominated site inspector, security inspections were carried out by the ONR security inspector on:

27 May 2015

1.2 ONR held meetings with Dungeness A on the following dates during the quarter:

15 April – Review of revised emergency arrangements

27 April 2015 – Security meeting.

20 May 2015 – The Annual Review of Safety, Security & Environment was attended by the Superintending Inspector, nominated site inspector and security inspector.

23 June - Discussion on revised emergency arrangements

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 Nuclear Industry Security Regulations (NISR) 2003.

In this period, routine inspections at Dungeness A covered the following:

- LC7 – Incidents on the site
- LC11 – Emergency Arrangements
- LC12 – Duly authorised and other suitably qualified and experienced persons
- LC17 – Management systems
- LC18 – Radiological protection

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 licence conditions (LC's) attached to the licence in order to ensure legal compliance. Inspections seek to judge both the adequacy of these arrangements and their implementation.

In general, ONR judged the arrangements made and implemented by the site to meet the intent of the safety case and the required safety standards. No significant issues were raised,

and minor improvements identified by the ONR inspector will be followed up as part of future routine engagements.

During this period Dungeness A carried out a security demonstration exercise as required by The Nuclear Industry Security Regulations (NISR) 2003. An ONR inspection team observed this exercise and considered the exercise to be a satisfactory demonstration of arrangements, meeting the required security standards

2.2 Other work

The site inspector attended the Dungeness Site Stakeholder Group meeting held on 21 April and presented a summary of inspection activities carried out in the previous quarter.

The site inspector held a meeting with safety representatives on 20 April, to support their function of representing employees and receiving information on matters affecting their health, safety and welfare at work.

ONR inspectors attended Dungeness A's Annual Review of Safety, Security & Environment. This was attended by the superintending inspector, nominated site inspector and security inspectors. ONR noted the good safety performance and progress with south side of site clearance and removal of Fuel Element Debris (FED) from waste vaults, and looks forward to further site decommissioning and safe disposition of waste.

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 this period the following incidents were reported to ONR:

- On 9 April ONR was notified of an anomaly identified by the licensee when reviewing a Maintenance Schedule on a Flask Crane. Both Flask Cranes were isolated and an investigation completed. There was no nuclear or radiological consequence. Actions taken by Magnox Ltd following the incident were appropriate, and learning captured to prevent future reoccurrence.
- On 20 April ONR was notified that a sump level probe was inspected and found to be in poor condition. Other lines of protection to detect and respond to leaks were still in place. There was no actual nuclear or radiological consequence from this issue, and the licensee's initial response to contain the potential issue was appropriate. I am satisfied that the licensee has now carried out a thorough investigation and developed appropriate corrective actions plans to resolve the issue.
- On 22 April ONR was notified that a small amount of particulates had been detected in a sample taken from the Effluent Treatment Plant Collection Monitoring Tanks (CMT). The system was isolated and further samples were re-checked and confirmed free from particulate. The investigation noted that this followed a period of plant shut-down where the chemistry in the system had changed the pH - It is believed this caused silicate scale to become mobilised. Further inspections have confirmed no visible solid material remaining in the tanks or pipework. Samples will continue to be monitored.
- On 1 May ONR was notified by the licensee that contamination was detected on a container sent to Studsvik. On further investigation it was confirmed the sampling technique produced an erroneous high reading, and when this was averaged for the area of the probe was well below reportable levels. The area was retested after the swab and no contamination found.

- On 29 June ONR was notified that Pond water was detected leaking from a joint in recirculation pipework into a sump in a C3 enclosure. This was discovered by routine monitors prior to any level alarms being initiated. There was no release of water outside of the facility. The licensee responded appropriately and the system was quickly isolated. The licensee has since confirmed that the limited volume of liquid and activity levels were an order of magnitude below the notification limits under IRR99 Regulations. On completion of the licensee’s investigation I will review the follow-up-report to confirm that appropriate action has been taken to rectify the fault and prevent recurrence. I am satisfied that actions taken so far are appropriate.

I am satisfied that the licensee responded to all of these incidents appropriately, and that there were no significant nuclear or radiological consequences from these events.

4 REGULATORY ACTIVITY

ONR 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 Enforcement Notices were issued during the period.
- No Licence Instruments were issued during the period

ONR continues to assess the licensees revised Emergency Arrangements under Licence Condition 11. The licensee successfully demonstrated the effectiveness of the arrangements through site demonstrations in this period. ONR is now assessing the documented submission prior to a regulatory decision.

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

Date	Type	Ref No	Description
N/A	N/A	N/A	N/A

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

5 NEWS FROM ONR

5.1 ONR Annual Report and Accounts

The [ONR Annual Report and Accounts for 2014/15](#) was laid in Parliament on the 29 June. This presents the key developments during ONR's first year as a Public Corporation including:

- Progress against ONR's Annual Plan;
- The Chief Nuclear Inspector's annual statement on the safety and security performance of the nuclear industry;
- A summary of ONR's governance arrangements; and
- Details of ONR management arrangements and how resources have been utilised.

Insight into ONR's work as an independent regulator of the nuclear industry can be found on the ONR website news centre (<http://news.onr.org.uk>) and 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 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>)

6 CONTACTS

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