



# Office for Nuclear Regulation (ONR) Site Report for Urenco UK Limited (UUK) Capenhurst

Report for period Jan – Jun 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 of the Urenco UK Limited Local Liaison Committee and are available on the ONR website (<http://www.onr.org.uk/llc/>).

Site inspectors from ONR usually attend the Urenco UK Limited 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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## 1 INSPECTIONS

### 1.1 Dates of inspection

The ONR Site Inspector and other ONR Inspectors conducted inspections at Capenhurst on the following dates during this period:

Jan	23,24,26
February	8,21
March	6,7,8
April	25
May	16
June	21,22,23

## 2 ROUTINE MATTERS

### 2.1 Inspections

Inspections are undertaken as part of the process for monitoring compliance with (but not exclusively):

- 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), The Construction (Design and Management) Regulations 2007 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 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.

In this period, routine inspections and interactions with the Urenco UK Limited (UUK) licensed site covered the following:

### **AROSSE**

The Capenhurst Annual Review of Safety, Security, Safeguards and Environment (AROSSE) was held at Capenhurst in May 2017.

The general theme for the review was leadership and management, and the capability and capacity of the organisation to deliver necessary improvements, amongst the backdrop of operations, major projects, change initiatives and Strategy 2020.

Overall, UUK achieved a significant amount over the reported 12 month period, although it is recognised that there is still a significant volume of work and improvements to be undertaken in all areas. UUK assessed that the overall operational and safety performance in 2016 was largely consistent with that of 2015.

Conventional health and safety performance throughout the year, however, has been below standard, ranging from matters related to setting to work, response to incidents and, particularly, asbestos management. These areas are now being addressed via specific interventions.

Throughout 2016, UUK remained in an 'Enhanced Level of Regulatory Attention' by ONR's security inspectors. UUK have now returned to 'Normal Regulatory Attention' for security, through a combination effective leadership, recruitment into key areas, closing out regulatory issues and departmental restructuring.

### **Operation Standards Safety Case Implementation Inspection E23**

ONR undertook an operational standards inspection in June, to consider some key aspects of the arrangements sites arrangements and the approach to Leadership and Management for Safety, examining implementation of these arrangements. ONR identified several areas of good practice during this inspection, but also areas where it would seek improvement. The licensee responded proactively to the findings and is seeking to address the improvements in a timely manner.

### **Tails Management Facility (TMF) Project**

The TMF programme and permissioning Hold Point Control Plan are subject to continued delay and uncertainty. To enable and monitor progress, ONR holds regular meetings with UCP to discuss the recommendations that ONR requires to be addressed prior to ONR permissioning active commissioning of the TMF.

### **Quarterly Regulatory Reviews**

Quarterly regulatory review meetings were held during this period and included both tenant organisations on site. A range of topics of regulatory interest were discussed allowing ONR to make regulatory judgements on milestones, decommissioning, project strategies and ongoing operations. Numerous projects were also discussed in detail and regulatory strategies and permissioning plans are being developed with the licensee.

### **Security**

A planned ONR security inspection at UUK in March 17 was deemed to be satisfactory by ONR with some minor improvements identified regarding inspection, maintenance and testing arrangements for security systems and infrastructure.

A planned ONR security inspection at CNS in March 17 was also judged satisfactory with minor amendments required to the recently revised Nuclear Site Security Plan.

### **Safeguards**

During this period, there have been routine safeguards inspections and the annual Physical Inventory Verification (PIV) (Joint Euratom/IAEA) at the UUK enrichment facility. Further to these there have been 2 Limited Frequency Unannounced Access (LFUA) Inspections (1

Type 1, triggered during routine inspection and 1 Type 3 (IAEA only called outside of routine inspection). Any issues that have arisen have been fully addressed. During this period ONR Safeguards have dealt with no INF1's for the site.

## **Conventional Health and Safety**

An inspection examining Urenco UK Ltd's 'Setting to Work' and 'Control and Supervision' arrangements was undertaken in March 2017. The key regulatory activities undertaken during the inspection were to review the effectiveness of UUK arrangements for assessment of high risk operational and maintenance activities, with associated competently resourced control procedures. The inspection also encompassed a number of core conventional health and safety topics, for example the management of asbestos. A further, more detailed exploration of UUK's asbestos management arrangements was subsequently undertaken in April, due to the areas for improvement highlighted in the March intervention. Work in this area continues as the improvements are being undertaken.

### **2.2 Other work**

#### **Meetings with the safety representatives**

Meetings are routinely held with the licensee's team of safety representatives and during inspections by ONR inspectors, to support their function of representing employees and receiving information on matters affecting their health, safety and welfare at work. ONR continues to be encouraged by the proactive work being undertaken by the UUK team and the sustained support from senior management.

### **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.

This period has seen an increase in the number of incidents on the site notified to ONR from both the licensee and the tenant organisations. ONR was promptly informed of these incidents and the follow up actions taken by the licensee are all currently in line with regulatory expectations. The follow up actions and investigations are being monitored by ONR via routine engagement and inspection.

### **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 in this period.

No Licence Instruments were issued during this period.

### **5 NEWS FROM ONR**

#### **New reactors update:**

- ONR received a request from Government to begin the Generic Design Assessment process for the UK HPR1000. 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. At that time, 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.

### **Nuclear Safeguards Bill in Queens Speech**

- It was confirmed in the Queen's Speech that the UK will be legislating to set up its own nuclear safeguards regime following its exit from Euratom.
- UK nuclear safeguards policy remains the responsibility of Government and we are now working with the Department for Business, Energy and Industrial Strategy on more detailed proposals.
- In line with Government wishes, ONR will work to be in a position to take on the role and responsibilities required to meet international obligations for nuclear safeguards, as applies to civil nuclear material through the International Atomic Energy Agency.
- ONR has been actively supporting the Government so far, and will continue doing so to help develop any future safeguards regime.
- We are aware that this is a matter of considerable interest and importance to a range of stakeholders, and they will be kept informed as this work progresses.

### **Quarterly statement of civil incidents**

During this period, 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.

### **ONR Chair awarded CBE**

- In the Queen's Birthday Honours announced in June, Chair of the Office for Nuclear Regulation, [Nick Baldwin](#), was appointed a Commander of the Order of the British Empire for services to nuclear safety and security in Britain and to the charitable sector.

### **Regulatory Research Report published**

- ONR has published its [annual regulatory research report](#) which describes the [research activities](#) we have conducted in the past year.
- The report includes case studies showing how our research strategy has helped support our regulatory approach, and helps to inform the develop of best practice. It can be viewed at [www.onr.org.uk/research](http://www.onr.org.uk/research)

## **6 CONTACTS**

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