



# **HUNTERSTON A STAKEHOLDER REPORT SEPTEMBER 2013**

## **HUNTERSTON A SITE DIRECTOR'S REPORT TO THE SITE STAKEHOLDER GROUP 5 SEPTEMBER 2013**

**Hunterston A continues to make good progress on our programme of work and the Site remains very busy. We continue to be adequately funded by the NDA and remain committed to addressing the nuclear liabilities at Hunterston A in a safe, secure manner with care for the environment.**

### **1 SAFETY OVERVIEW**

#### **1.1 Safety Review Performance**

Safety performance at Hunterston A continues to be of a high standard with the landmark achievement of more than 1,000,000 man-hours being worked on site since our last Days Away Case Rate and Medical Treatment Case injury. This achievement, against a backdrop of construction and commissioning works, is testament to the implementation of high standards of hazard awareness training and planning which has been proactively managed on site.

The Site still experiences infrequent minor first aid cases and whilst these are unwanted, most of these injuries are of a very minor nature. The reporting of such minor injuries gives us confidence and evidence of a healthy open reporting culture at Hunterston A.

The Site has been recognised by Magnox for its continual achievement of a high number of Learning from Experience forms, which are part of the sites arrangements for reporting good practices and opportunities for improvement, injuries, accidents and near misses. Magnox recognises that learning from events is key and any event reported that warrants an investigation is done so in a swift manner. The learning points from any event are then shared through the Operational Experience Feedback process thanks to the production of event briefs. This process gives us confidence that the likelihood of recurrence is greatly reduced across the company.

Behavioural safety and human performance processes are being strongly supported by all on site and it is the use of these tools and techniques that helps to maintain our strong positive safety culture.

Hunterston A's safety representatives continue to meet regularly, providing support on site and are involved with regular site activities and inspection tours.

The 2013-2014 Safety and Environment Enhancement Plan (SEEP) has been implemented and its delivery is fully supported by the lead team and site safety representatives.

#### **1.2 Learning and Improvement**

Working at height training has commenced which is being delivered to anyone who plans, organises, supervises or undertakes work at height activities.

Recently a promotion on slips, trips and falls was run by the safety department in recognition of a number of minor events across the company. It was well received and supported by all.

We have received good positive feedback from visiting parties and regulators. We will continue to promote and encourage involvement in our human performance and behavioural safety processes and strive for continual improvement as we continue our journey towards care and maintenance.

## **2 DECOMMISSIONING PROGRESS**

### **2.1 Pond**

As previously reported, the pond decommissioning team have now cleaned 1148m<sup>2</sup> of wall area following modifications to the pontoons. These modifications were required to cater for pond furniture protruding through the surface of the pond as the levels are drained further. Portions of this furniture have now been removed and pond draining restarted to allow ultra-high pressure cleaning to recommence.

The target to clean and stabilise the pond walls in the summer of 2014 remains on target and the team is continuing to prepare for the more difficult task of cleaning the floor.

Decommissioning redundant underground miscellaneous sludge retention tanks also remains a focus. The trial scabbling machine and dust extraction equipment for shaving radiologically contaminated concrete surfaces has proved very successful and this equipment is now under trial on-site and proving very effective.

### **2.2 Land Quality Management**

The project to implement the in-situ remediation of the CP7 compound and associated drainage at Hunterston A is now completed.

The temporary road has been modified, re-established as permanent and the surrounding areas landscaped. Bore holes have now been drilled to enable monitoring of the ground conditions.

### **2.3 Solid Intermediate Level Waste (ILW) Retrieval**

The Solid Active Waste Bunker Retrieval (SAWBR) project continues to make good progress.

Waste stimulant trials progress well and are designed to subject the SAWBR plant to a series of rigorous tests. This has involved the preparation of waste packages using quantities of clean simulated waste items, such as graphite fragments and dust together with steel and aluminium materials, to monitor and measure the performance of key plant items. This programme of work has also provided the operating team with the means to commence the first stage of validation of the SAWBR operating arrangements and the maintenance team to make progress on work instructions.

The first of the 3m<sup>3</sup> boxes which will be used to store the solid waste are due for delivery shortly and we are currently in the final stages of issuing the contract to manufacture the remainder.

The areas of simulant trials, operating arrangements, maintenance instructions remain the focus whilst the project team make preparations to apply to ONR for permission to breakthrough into the bunkers early next year.

The Solid Intermediate Level Waste Encapsulation (SILWE) project, which will be used to encapsulate the waste retrieved from the bunkers, has completed the design substantiation phase. We envisage issuing tenders to build in September with early Site establishment due to commence later this month. The actual build is programmed to start in June 2014.

## **2.4 Wet ILW**

The commissioning of the Wet Intermediate Level Waste Retrieval and Encapsulation Plant (WILWREP) continues with testing of the resin lines into the facility and carrying out performance trials to ensure plant reliability and process consistency with the drums.

The resin plant has proved the most challenging aspect of plant commissioning but favourable results have been recorded during trials over the past week that give greater confidence in system intent. In-active commissioning is in its final stages and we expect to be actively commissioning the plant over the next couple of months. Following active commissioning the plant will be subjected to performance trials before going fully operational next year.

The ILW Store and cross-site transporter, which are key to both the wet and solid ILW programmes, are available to allow on site trials using a dummy package from the WILWREP plant.

## **3 PEOPLE**

### **3.1 Human Resources (HR) and Occupational Health**

Recruitment continues within various departments with a couple of posts filled via internal recruitment allowing for succession and development across sites. The utilisation of contractors is also being used, in agreement with the trade unions, for areas where internal resourcing has proven difficult.

Work continues on HR areas within the new Agresso system and focus on site is the use of the new Performance Management e-forms which will aid line managers and employees alike in monitoring progress on targets etc. and the central project team is working on the completion of the Sickness Absence system.

Sickness absence at Hunterston A is averaging 9.71 days lost over the past rolling 12 month period (2.53 days short term sick and 7.18 days long term sick) compared to the Company target of 6.25 days. There is a small number employees who have been off on long term sick (over 21days). Four employees are currently undergoing hospital treatment for their serious conditions. The other is expected to return to site within the next period.

## 3.2 Learning and Development

Hunterston A continues to develop and maintain the high level of staff competence expected by Magnox. Examples of learning, training and development activities to demonstrate this are outlined below.

The refresher training programme continued, including fork-lift truck, telescopic handler, first aid at work, command and control for the emergency response team. In addition to this, the annual refresher training for our emergency response teams is now complete for another year, which is a significant commitment to ensure the Site continues to be ready to respond to any eventuality in a safe and effective manner

As part of the transition to common processes and procedures, Hunterston A has completed the training gap analysis that identifies any training that is required to ensure that those that are authorised to carry out specific work have up to date training in place. This information is for inclusion in the 2013/14 Hunterston A Site training plan.

Finally, Hunterston A, along with all other Magnox Sites, plans to test the working arrangements around the introduction of a new Agresso training request form and implement the latest revision of the Common Learning and Development process document during the next reporting period.

## 4 ENVIRONMENT

### 4.1 Radioactive Discharges

#### Solid

Low Level Waste (LLW) discharges to the Low Level Waste Repository (LLWR) continue. Disposals over the 12 month period from August 2012 to July 2013 equate to 245 m<sup>3</sup>, representing 41% of our authorised disposal limit. Radioactive nuclide content of this waste was well below authorised limits. The main contributions to the waste consignments were from projects such as pond decommissioning and clean-up operations.

#### Liquid

Liquid radioactive discharges during the period August 2012 to July 2013 were made at levels that represent 1.3% for total beta and less than 1% for Plutonium-241, Tritium and total alpha, of the Site's authorised discharge limit. The main source of this effluent is cartridge cooling pond dewatering.

#### Gaseous

Gaseous radioactive discharges during the period August 2012 to July 2013 were made at levels that represent 4.0% for Tritium, 4.0% for Carbon-14 and 1.6% for Beta particulate of the Site's authorised discharge limit. The main contributions to the discharges were from ventilation systems operating in contamination controlled areas and reactor vessel 'breathing'.

#### New Authorisation Application

The Site has submitted to SEPA an application for a new 'multimedia' authorisation for radioactive discharges. This authorisation will replace the Site's three current authorisations (solid, liquid and gaseous). The authorisation should be issued in the near future.

## 4.2 Non-radiological Environmental update

Surveillance and analysis of the sewage treatment works effluent continues to ensure compliance with the discharge licence. The sewage treatment works reed beds continue to work efficiently to maintain good quality effluent.

Monitoring of resources such as water, electricity, fuel and paper use continues to determine where use can be minimised. Action plans are in place for resource use and all actions are being completed as planned.

The Site continues to progress the Biodiversity Action Plan which has the aims of preserving and enhancing local habitats and species.

## 4.3 Environmental Events

There were no environmental events in the period from May 2013 to July 2013.

## 5 RADIOLOGICAL SAFETY

Explanatory note: The maximum permissible dose to a radiation worker in the UK is 20mSv (milliSieverts) in a calendar year. The average annual radiation dose to the UK population from all sources is 2.6mSv. Collective dose is usually measured in man.milliSieverts. For example, if ten people were each to receive 0.1milliSieverts during a particular task, then the collective dose for the task would be 10 people x 0.1mSv each = 1 man.milliSievert.

Doses for the calendar year 2013 (up to 31st May 2013) are as follows;

- Approximately 185 employees received a total collective dose of 3.148 man.mSv between them;
- Approximately 490 contractors received a total collective dose of 15.202 man.mSv between them;
- The highest individual dose received by an employee was 0.656 mSv;
- The highest individual dose received by a contractor was 1.214 mSv.

The majority of dose accrued in 2013 has been from a combination of the pond decommissioning project and other Site projects. All doses in these projects have been prior-assessed, planned and are tracked throughout the project duration to ensure that no limits are exceeded and that doses are kept as low as reasonably practicable.

There were no radiological events in the period from May 2013 to July 2013.

## 5.1 Radiological Events

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## 6 NATIONAL MATTERS THAT LINK TO HUNTERSTON A

### Bidding consortia meet stakeholders

Stakeholders have been outlining community issues to members of the consortia bidding for the £7 billion Magnox and RSRL contract.

At a series of meetings in Scotland, Wales and England, the community representatives discussed the impact of nuclear decommissioning on their regions and their aspirations for partnership working on socio-economic initiatives.

The delegates included representatives from Site Stakeholder Groups, as well as local and national governments.

Members of the four bidding consortia, meanwhile, were able to develop a greater understanding of regional variations around the 12 sites and share initial thoughts on future partnership working.

The meetings are part of the two-year competitive procurement process for ownership of the two Site Licence Companies, Magnox Ltd and Research Sites Restoration Ltd, which operate the 10 Magnox power station sites and two former research centres at Harwell and Winfrith.

Launched last year, the competition is currently in the formal dialogue phase, while site visits are also under way, enabling the bidders to see at first hand the challenges that will help to inform their tender proposals.

The consortia are:

- Reactor Site Solutions (Bechtel, EnergySolutions)
- The Babcock Fluor Partnership
- CAS Restoration Partnership (CH2M Hill, Areva, Serco)
- UK Nuclear Restoration Ltd (AMEC, Atkins, Rolls Royce)

The gathering of information will be followed by the submission of tenders towards the end of the year which will be evaluated before the preferred bidder is announced next March. It is anticipated that shares will be transferred and the contract award confirmed in September 2014.

## **7 PA/PR ACTIVITIES/CHARITABLE DONATIONS**

At the start of the second year of the new Magnox Socio-Economic Fund a total of **12** applications (**8 successful, 1 rejected, 3 pending**) have been submitted and please see below applications that have been successful in receiving awards:

<b><i>Socio-Economic Funding 2013/14:</i></b>	<b>£</b>
Kilwinning Academy – Breaking Free Project	1,000
North Ayrshire & Arran District Scout Council – District Camp 2013	500
3t4m Community Radio for Health – Digital Radio Equipment	5,000
Clubs for Young People Scotwest	500
North Ayrshire Table Tennis Club - Table Tennis Equipment for Schools	1,000
Largs Viking Festival 2013	1,000
Largs Events – 750 <sup>th</sup> Anniversary Gathering of the Clans	1,000
West Kilbride Out of School Care – Microwave and Fridge	300
<b>Total</b>	<b>£10,300</b>

## 8 SITE VISITS

Hunterston A Site continues to attract the right kind of interest through our good safety and business performance. A selection of visitors during the period included:-

10 June 2013	Leanne Beattie, NDA Finance Manager, at Hunterston A
24 – 27 June 2013	Magnox Competition – Reactor Sites Solutions at Hunterston A
4 July 2013	Dr Brian Burnett, NDA Head of Programmes for Magnox, at Hunterston A
22 July 2013	Pippa Waterman and Brian Hughes, Magnox Hub team, at Hunterston A
29 July – 2 August 2013	Chris Kemp, ONR Site Inspector, at Hunterston A
30 – 31 July 2013	Magnox Competition – Babcock Fluor at Hunterston A
31 July 2013	Andrew Donovan, Magnox HR Director, and Monica Steedman, Magnox Finance Director, at Hunterston A
12 August 2013	Dave Wilson, Trawsfynydd Site Director, at Hunterston A
19 – 23 August 2013	Magnox Competition – UKNR at Hunterston A
28 August 2013	Neil Baldwin, Magnox Managing Director, at Hunterston A