



HUNTERSTON A STAKEHOLDER REPORT JUNE 2013

**HUNTERSTON A
SITE DIRECTOR'S REPORT TO THE SITE STAKEHOLDER GROUP
6 JUNE 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 is really good and approximately 60,000 man-hours are being worked on site per month. It is now over 15 months since our last Days Away Case Rate and Medical Treatment Case injury. The Site still experiences infrequent minor first aid cases, and whilst most of these injuries are of a very minor nature, they are still being reported by the individuals involved. This gives us confidence that our open reporting culture is being fully supported by all who work on the site.

Hunterston A has proactively managed various hazards that arise from the variety of construction, decommissioning, commissioning and plant process activities such as, excavations, underground services, interface with heavy plant and pedestrians, lifting operations, hot working, live plant commissioning activities, radiological hazards and inclement weather. These hazards and interfaces have been well managed and no one received serious injury as a result of the work activity.

We receive a high number of Learning from Experience (LFE) forms, which are part of the sites arrangements for reporting injuries, accidents, near misses, good practices and opportunities for improvement. 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 is 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.

Behavioural safety and human performance processes are being strongly supported by the Site lead team, supervisors and workers at the work face. The use of these processes helps to maintain our strong positive safety culture on site.

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

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

1.2 Learning and Improvement

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

Recently a promotion on personal protective equipment (PPE) was run by the safety department. A questionnaire on quality, selection and availability of site PPE was available to all staff and contractors to complete, the findings of which were communicated back to the lead team for consideration. As a result, a PPE sub-group has been created to address the issues raised.

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

The pond decommissioning team have now cleaned 1148m² 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.

The target to clean and stabilise the ponds walls next summer 2014 remains on target and the team is currently preparing for the more difficult task of cleaning the floor.

Decommissioning redundant underground miscellaneous sludge retention tanks (MSRTs) also remains a focus. At the last SSG meeting we reported that an off-site trial was conducted to trial a scabbling machine and dust extraction equipment for shaving radiologically contaminated concrete surfaces. This equipment is now under trial on-site and proving very effective. To date the floor and the west wall of the tank have successfully had a nominal 10mm removed off the surfaces.

2.2 Land Quality Management

The project to implement the in-situ remediation of the CP7 compound and associated drainage at Hunterston A is nearing completion. The Bentonite slurry retaining wall and the engineered cap have been installed and tested.

Drainage works continue and is scheduled to complete in June. Following the completion of the drainage works the temporary road will be upgraded to permanent status and the approaches eased to facilitate easier traffic movement.

2.3 Solid Intermediate Level Waste (ILW) Retrieval

The Solid Active Waste Bunker Retrieval Facility has received an INSA 5B (Independent Nuclear Safety Assessment) which is a significant enabler to breakthrough into Bunker 5, scheduled for early next year. This project also recently completed an important series of equipment trials associated with the bunker breakthrough process. The trials surveyed and verified the on-site setup, function-tested components, and ran the equipment at operating

speeds as part of the on-going programme of work to prepare the SAWBR facility for active commissioning and waste retrieval operations.

An INSA 5B has also been received for the cross-site transporter, this will enable ILW to be transported from the WILWREP and Solid Active Waste Bunker Retrieval (SAWBR) plant to the ILW Store.

The ILW store is being prepared to receive the first active package from wet ILW retrieval and encapsulation plant and we expect to be applying to ONR for permission to use the store in June.

The strategic decision regarding passivation of bunker one fuel element debris (FED) is to encapsulate. Plant design substantiation work continues with early Site establishment activities beginning in September this year. Contracts to manufacture, install and commission the encapsulation plant will be placed mid 2014.

2.4 Wet ILW

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

Active commissioning is due to commence very shortly with operator training to follow. 30 commissioning drums have been delivered to Site and we are currently working on contracts to manufacture the remainder.

3 PEOPLE

3.1 Human Resources (HR) and Occupational Health

Recruitment within various departments has been steady this period, with one vacancy filled via internal recruitment, allowing for succession and development. The utilisation of contractors continues to be used in agreement with the trade unions for areas where internal resourcing has proven difficult. Further vacancies will also be filled via internal recruitment during the next reporting period.

Work continues on HR areas within the new Agresso system with processes and software being put in place to align work between local Site HR and the central teams in HR Services. The central project team has now implemented the annual leave and sickness absence modules which are now being used at Site, and they are now working on the attendance support process. New projects over the next period will focus on the implementation of position management and the performance review process.

Sickness absence at Hunterston A is averaging 8.51 days lost over the past rolling 12 month period (2.4 days short term sick and 6.11 days long term sick) compared to the Company target of 6.25 days. There has been an increase in the last quarter due to long term sickness absence. Unfortunately, we continue to have a small number of employees experiencing serious illness and/or recovering from surgical procedures, however, we have three employees who have returned to work. With regards to short term sickness, there are no adverse trends found and primarily these are due to colds and stomach bugs.

3.2 Learning and Development

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

The refresher training programme continues, including fork-lift truck, first aid at work, security industries accreditation and electrical and mechanical safety rules. We have also just commenced the annual refresher training for our emergency response teams, which is a significant commitment to ensure the Site continues to be ready to respond to any eventuality in a safe and effective manner. This involves three weeks of intense training for up to twenty five response team members and team leaders.

As Hunterston A continues in the transition to adopt a common way of working as part of Magnox, the delivery of common company training packages forms part of this transition. These training packages include safe working at height, route cause analysis and human performance fundamentals, which will continue throughout the next reporting period.

Finally, Hunterston A continues to support the Magnox limited 2013/14 training plan which is now well underway, and progress with this will be identified in subsequent reports.

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 May 2012 to April 2013 equate to 289 m³, representing 48% 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.

Spoil from excavations in historically contaminated areas of the site was packaged as LLW in 2009. This spoil is being re-assessed for disposal as Out of Scope waste using the activity levels in The Radioactive Substances Exemption (Scotland) Order 2011. So far 65 m³ of LLW spoil has been diverted from disposal as LLW to conventional land fill.

Liquid

Liquid radioactive discharges during the period May 2012 to April 2013 were made at levels that represent 4.6% 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.

A new filtration plant has been put into service to treat miscellaneous effluent. Miscellaneous effluent is primarily shower water and causes operational problems with the main effluent treatment plant. This new plant will improve the efficiency of the sites filtration plant and minimise discharges to the environment.

Gaseous

Gaseous radioactive discharges during the period May 2012 to April 2013 were made at levels that represent 4.1% for Tritium, 4.1% for Carbon-14 and 1.9% 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 (when granted by SEPA) will replace the Site's three current authorisations (solid, liquid and gaseous). The proposed authorisation is being sent out for final review and 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

On the morning of Tuesday 30 April, it was noticed by a member of the public that a hose had been placed under the north fence of the CP7 Project working area and was discharging water onto the road. The water was being discharged to ensure the safety of operatives working within manhole 6AW within the CP7 Project area as groundwater had seeped in. The discharge was stopped. Water samples were collected as a precaution to confirm that no radioactive material was present as the work was being carried out in "clean" conditions in a new manhole. The incident was reported to SEPA and they had no concerns about the discharge.

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 March 2013) are as follows;

- Approximately 162 employees received a total collective dose of 1.782 man.mSv between them;
- Approximately 405 contractors received a total collective dose of 8.931 man.mSv between them;
- The highest individual dose received by an employee was 1.249 mSv;
- The highest individual dose received by a contractor was 0.735 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 March 2013 to April 2013.

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6 EMERGENCY PREPAREDNESS

The annual Level One demonstration of the Site's emergency arrangements to the ONR took place on Thursday 16 May.

The main exercise scenario was based on a rupture of the resin pipeline to the WILWREP and a serious injury to an operator who became trapped underneath the cross-site transporter.

ONR were very pleased with the performance of all the teams, in particular the professionalism, skill and speed of responses shown by everyone involved. The muster was completed effectively and those that mustered did so properly and with patience.

There have been no on-site incidents or off-site nuclear emergency declarations during this quarter.

7 NATIONAL MATTERS THAT LINK TO HUNTERSTON A

NDA publishes preferred option for ILW Storage in Central and Southern Scotland

Through the publication of the Preferred Option position paper, the NDA has now completed its strategic review of the options for the storage of Intermediate Level Waste (ILW) in central and southern Scotland. The publication of this paper is consistent with the NDA's Integrated Waste Management (IWM) Strategy which states that centralised and multi-site approaches should be considered where it may be advantageous.

Following engagement with key stakeholders, the NDA published a credible options paper in August 2012 for comment. After taking into account stakeholder views, the NDA has concluded that the preferred option for storing ILW in central and southern Scotland is the current baseline for all sites, except Hunterston B where there are benefits in storing the Hunterston B waste within the Hunterston A store.

In order to realise the opportunity to consolidate the Hunterston B waste at Hunterston A there are a number of recommended actions that need to be completed including the production of a preliminary safety case and a planning application will need to be prepared and submitted to North Ayrshire Council.

To download a copy of the preferred option paper, please visit:

<http://www.nda.gov.uk/documents/upload/Intermediate-Level-Waste-Storage-Solutions-Central-and-Southern-Scotland-Preferred-Option-April-2013.pdf>

8 PA/PR ACTIVITIES/CHARITABLE DONATIONS

Hunterston A is delighted to continue supporting the local community by funding worthwhile groups and organisations through the new Magnox Socio-Economic process. In the first year of the new Magnox Socio-Economic Fund a total of 51 applications were submitted for the Hunterston area. The following highlights the 28 successful applications that have been allocated funding by Magnox in 2012/13:

<i>Socio-Economic Funding 2012/13:</i>	£
Irvine Beat FM	3,195
Kilbirnie Warriors U9's Community Football Club	250
Largs Viking Festival	1,500
Ardrossan Castle Rovers FC	1,594
Cunninghame Youth Football Club	1,000
Ardrossan Academicals Rugby Football Club	2,000
Saltcoats Gala – Sea Queen Festival	250
Irvine Meadow 1998 Boys Club	250
Maritime Volunteer Service – North Ayrshire Unit	2,203
Sail and Oar Festival – Isle of Cumbrae	250
Largs Youth Theatre	250
North Ayrshire Amateur Swimming Club	500
West Kilbride Community Association – East Wing Development Project	20,000
Caledonian Piping Club	500
Hessilhead Wildlife Rescue Trust	1,000
Kirktonhall Business Centre Group	1,250
1 st Stevenston Boys Brigade	555
Glencairn Primary School	750
Kilwinning Sports Club – U9's & U11's Girls Football	300
Dalry Burns Club – Schools Competitions	500
Ardrossan Christmas Decorations Committee	250
Fairlie Community Trust – Shore Footpath Extension	2,000
Largs & District Community Association	4,808
North Ayrshire Council – Youth Employment Support Project	250,000
Get Set Go Group	1,000
TASS Thistle Titans	250
Fairlie Bowling Club	1,000
West Kilbride Amateur Boxing Club	250
<i>Total</i>	<i>£297,655</i>

At the start of the second year of the new Magnox Socio-Economic Fund a total of 7 applications have been submitted and please see below that all have been successful in receiving awards:

<i>Socio-Economic Funding 2013/14:</i>	£
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 th Anniversary Gathering of the Clans	1,000
Total	£10,000

9 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:-

18 March – 22 March 2013	Magnox Competition – CAS Restoration at Hunterston A
10 April 2013	Adam Stackhouse, SEPA, Dr Les Davies and Chris Kemp, ONR, at Hunterston A for Annual Review of Safety
1 – 2 May 2013	Dr Phil Sprague, Magnox ILW Programme Director, and Adrian Mitchell ILW Programme Delivery Manager, at Hunterston A
7 May 2013	John Collinson, Magnox Waste Director, at Hunterston A
13 – 16 May 2013	Chris Kemp, ONR Site Inspector, at Hunterston A
16 May 2013	Annual Level One Exercise at Hunterston A