



Site Stakeholder Group

Hunterston B Station Director's Report

Period: February to April 2019

1. Graphite Inspection Update

The ONR is in the process of assessing the safety case for Reactor 4. We have changed the return to service date of the unit recently to support the time needed for that assessment.

The feedback from the ONR has been constructive and we have a clear understanding of what information they need to address their remaining questions. Work on the reactor 3 safety case continues. We are clear that neither EDF Energy nor the ONR would allow the reactors to restart unless completely satisfied it was safe to do so.

In March we held two public information sessions at the Visitor Centre. These sessions were attended by members of the public and local politicians as well as members of the SSG.

We also carried out a briefing session at the Scottish Parliament to help MSPs understand the current situation and recently presented to members of the Scottish Councils' Committee on Radioactive Substances.

We will continue to keep the SSG, and the wider community, up to date on the progress of the safety cases.

2. Safety and Environment

Station Industrial Safety Performance

Safety performance during the recent Reactor 3 statutory outage work was good. The outage started on 15th February 2019 with a plan of 60 days. As is usual during an outage there were more people on site to help deliver the work safely and on time.

There were some excellent safety behaviours and best practices demonstrated and there were no lost time or restricted work injuries reported by EDF Energy or our contract partner staff. Unfortunately during the period we did have a medical treatment injury where a mechanical technician cut his finger and required stitches.

The current Total Recordable Injury Rate (TRIR) is currently 2.34 due to events in 2018.

We continue to strive towards achieving zero harm and improve on our current safety performance. We are currently delivering a fleet wide industrial safety campaign called '*Always*' which focuses on the themes of risk perception and elimination, dropped objects, hand safety, safe use of work equipment, working at height and driving standards.

Our training department have been busy delivering outage induction and the '*Choose Safety*' Dynamic Learning Activity throughout this time.

It has been a busy time on the station with visits from the ONR and Lloyds Register Quality Assurance who have been auditing the station against our policies and procedures.

Representatives from the World Association of Nuclear Operators are also due to visit the station at the end of May and will be on site for around three weeks.

Environmental Safety

There have been no significant environmental events in the period.

Radioactive gaseous and aqueous discharges arising from normal plant operations remain at levels well below those authorised by SEPA.

Work to process and package solid low level wastes has continued in the period as part of normal operations and consignments have been made to our regular partners.

The programme of off-site environmental monitoring and radiation surveys in the district has continued as normal and demonstrates that the radiological discharges from the station have a negligible impact on the local environment. Reports are made quarterly to SEPA, detailing the samples and results of analysis performed.

Radiological Protection

The radiation dose of each worker is assessed individually by an electronic personal dose meter. A computer database keeps records for each worker. Exposure is constantly monitored and ultimately compared with the levels specified in the Ionising Radiation Regulations (2017) which are the UK Health and Safety legislation that applies to work with radiation.

During the reporting period the CRE was below plan (see table below). Collective doses are pre-planned on expected work for each year based on scheduled maintenance, outages and routine operations. A breakdown of dose received is shown below (along with a comparison of relevant dose statistics).

All work is fully reviewed and justified in order to ensure all doses received were ALARP (As Low As Reasonably Practicable). This involves justifying and optimising the dose, as well as remaining within those dose limits.

Differences between the actual and planned dose can be down to a range of factors including changes to the work programme, development of new techniques for carrying out work that will result in a lower dose and the deployment of new equipment.

There were no reportable radiological protection events during this reporting period.

Radiation Dose to workers (Feb to Apr 2019)		
Planned collective dose	18.0man.mSv	
Actual collective dose	11.8man.mSv	
	Employee	Contract Partner
Total Dose	5.3man.mSv	6.5man.mSv
Average individual dose	0.02mSv	0.02mSv
Highest individual dose	0.36mSv	0.67mSv
Individuals	378	502

Chest X-ray	Transatlantic Flight	CT scan	Average UK annual dose to public	EDF Energy Dose Restriction Level	UK legal dose limit for radiation workers
0.014mSv	0.08mSv	2.0mSv	2.6mSv	10mSv	20mSv

Explanatory notes:

- mSv: milliSieverts (SI unit of dose received by an individual)
- man.mSv: The collective dose for a group of workers (i.e. the total of the doses received by each member of a group)

Emergency Arrangements

There were no activations of the emergency arrangements during the reporting period.

Planning is well underway for the Level 2 exercise which is scheduled for 12th June 2019.

Exercise 'Aquila' is a large multi-agency exercise to demonstrate the off-site emergency planning arrangements to the ONR.

The only visible participation to the public will be up to four off site survey vehicles deployed to demonstrate our off site monitoring capability. The remainder of the exercise will be office based at the station and also at our Strategic Coordination Centre in Prestwick and the Media Briefing Centre in Irvine.

3. Generation

During the reporting period Reactor 3/Turbine Generator 7 and Reactor 4/Turbine Generator 8 remained off-line while the company works with the regulator to ensure that the longer term safety cases reflects the findings of the recent inspections and includes the results obtained from other analysis and modelling.

4. Station Update

Hunterston B hosts visit from EDF Energy CEO

EDF Energy's Chief Executive Officer Simone Rossi and Managing Director, Brian Cowell visited Hunterston in April.

While they were on site they visited the Outage Control Centre, met with the graphite inspection team and held a question and answer session with staff where a range of issues including energy mix, fleet safety performance and the customers' business.

Following his visit Simone commented: "I was really impressed with the positive energy around the station, and the quality of the interactions throughout."

Stanley Primary School create a good vibration in the classroom

Pupils from Stanley Primary School in Ardrossan uncovered the mysteries of music and explore the science of sound when Generation Science, a touring programme of science shows delivered by Edinburgh Science, visited their school. The workshop was sponsored by EDF Energy.

'Good Vibrations' is a highly entertaining interactive workshop that will look at what sound is and investigate pitch, volume and amplification. It is packed with illuminating demonstrations featuring slow motion videos, digital voice recording and an amazing air zooka!

Head Teacher, James Hughes, at Stanley Primary School, said: "We are very excited to welcome the Generation Science tour to the school. 'Good Vibrations' is a brilliant way of making science fun and enjoyable by using a hands-on practical approach, which the school can then follow up with general discussion."

Colin Weir, Station Director at Hunterston B power station, said: "The workshops provided by Generation Science are brilliant for sparking inquiring minds, which is why EDF Energy has continued to support them this year. By bringing science into the classroom and making it fun and engaging, we hope that pupils taking part can be inspired and see how exciting it can be to study science or engineering in the future."

Joan Davidson, Generation Science Manager said: "We are delighted to be touring this year to Stanley Primary School. We will visit over 600 schools in Scotland over the spring and summer terms to show young learners the wonder of science and its real world applications. We aim to improve the provision of science education in Scottish primary schools, to bring science to life in the classroom and to educate and inspire young learners in science."



'Good Vibrations' is one of 15 amazing shows and workshops provided by Generation Science and powered by EDF Energy that are designed to make science fun, exciting, easy to understand and to help teachers cover the school science curriculum.

Over the last 27 years since Generation Science was launched, it has reached well over 1 million pupils in Scotland. It is the largest science education outreach provider in the UK, visiting schools all over Scotland with a programme of different shows and workshops for all ages, from infant classes right up to upper primary. This year the tour will visit over 600 schools in 32 Local Authority areas from the Borders to the Shetland Isles.

5. Company Update

Hinkley Point C spending in the South West reaches £1bn with 6,500 jobs created so far

New figures released show the growing positive impact of Hinkley Point C on jobs, skills and people in the South-West and beyond. The numbers are published in the latest annual report into the socio-economic benefits of the nuclear power station which is under construction in Somerset.

Hinkley Point C's *Realising the Socio-economic Benefits* report measures Hinkley Point C's performance against ambitions set out before construction began.

It shows that:

Spending with South West businesses reached £980m by the end of January and has now topped £1bn. A further £500m is ready to be spent in new contracts which have already been signed.

- 6,500 people have worked on the construction site so far
- 1,700 of the current workforce live in Somerset, of which 300 are under 35 years old
- 8,500 people have been trained and assessed at the specially built Construction Skills and Innovation Centre near the site
- 380 apprentices have already been taken on by the project



As well as tackling climate change by providing decades of reliable, low carbon electricity, Hinkley Point C aims to provide lasting social and industrial benefits. These range from increasing local employment, to the development of a sustainable regional supply chain and the advancement of new training facilities and qualifications.

The report highlights the big efforts to build a pipeline of skills from schools to the site. Last year, the project worked with 14,500 pupils in over 100 schools and colleges. Efforts to increase the poor level of diversity in construction have shown women succeed in areas traditionally dominated by men – like operating the 50 cranes where half of the first crane apprentices are women. Work to improve accessibility in 2018 also saw the first intake of from a new supported traineeship for those with special educational needs.

As well as the jobs on site, around 800 people are working in Bristol on the project and thousands more are supplying Hinkley Point C from over 1,100 companies in every part of the UK. For example, around 1,000 workers come from Wales and more than 60 Welsh companies supply the project, including over 200,000 tonnes of steel that will be used on site. Positive benefit is also being felt by businesses close by in Somerset itself, with the report highlighting a number of examples including Portishead based Osprey and Taunton based Viridor.

The full report and case studies are available online [here](#).

Stuart Crooks, Managing Director, Hinkley Point C, said; "Our teams are making great progress on-site, but this report shows we are also delivering on our ambition to make a lasting difference to people, skills and the regional economy. We are providing opportunities for people to develop their talents and build lasting careers"

Sam Evans, Head of Hinkley Supply Chain Engagement at the Somerset Chamber of Commerce, said: "The work on site is accelerating, creating more and more opportunities for South West businesses to bid for and win valuable contracts as the supply chain grows. What's especially pleasing is that, far from the list of companies registered all being construction and engineering companies, we are seeing a broad range of sectors represented, including design agencies, catering companies, professional services firms and office fit-out businesses."

Hinkley Point Visitor Centre welcomes 100,000th guest

Celebrations were underway at Hinkley Point's highly successful visitor centre as it welcomed its 100,000 visitor.

The centre, which opened in 2012, has become extremely popular with local people and continues to be a 'one stop shop' for all EDF Energy enquiries and activities across Somerset.

The award winning facility offers a wealth of information and guidance on both Hinkley Point B and C sites, whilst also providing guided tours of both stations.

EDF Energy has Visitor Centres at each of its sites across the UK and they too are seeing many thousands of people coming through their doors to find out more about how low carbon electricity is made

Peter Evans, Hinkley Point B's station director, added: "Openness and transparency is inherent in everything we do and the great work and success of our visitor centre is a crucial factor with building trust in the local community.



"Reaching our 100,000th visitor milestone is a tremendous achievement, and is testament to the great efforts and hard work of everybody involved with the visitor centre setup."

for more information on the Visitor Centres, and how to book a tour
[:https://www.edfenergy.com/energy/education/visitor-centres](https://www.edfenergy.com/energy/education/visitor-centres)

6. Staffing Update

As of April 2019 the station has 482 employees. Recruitment is ongoing in a number of departments to maintain our organisational capability against agreed station numbers.

The station has prepared a Lifetime Resource Plan to 2023 in support of the business mission of safe reliable generation over extended life.

This provides us with an understanding of resource demands through the life of the station; potential attrition rates and what this means for resourcing, retirement of an aging workforce and an understanding of vulnerabilities for knowledge capture and transfer. The station plan is underpinned by detailed departmental plans to integrate opportunities and potential vulnerabilities.

Hunterston B vacancies are displayed on the www.edf-energy.com web site

For more information about anything in this report or other station issues, contact:

Fiona McCall, External Communications Manager

Tel: 01355 846281

E-mail: fiona.mccall@edf-energy.com

Nikki Thomson, Communications Coordinator

Tel: 01294 826157

E-mail: nikki.thomson@edf-energy.com