

Hunterston B Power Station

Monthly Newsletter



July 2019

Introduction

We are keen to hear the views of our local communities. We recognise that good communication is a two way process and we welcome your feedback and comments. While we will do our best to always use plain English, talking about our business sometimes involves specific terminology, and you will find a glossary of any terms used at the end of each monthly report.

Station output

Unit 7 was manually shutdown on 9 March 2018 for its planned interim graphite inspection outage. This has been the most extensive graphite core inspection programme ever undertaken in an AGR.

Unit 8 was manually shut down on 2 October 2018 for a planned interim inspection outage. The safety case for Reactor 4 return to service is currently being reviewed by the nuclear safety regulator. For more information on graphite, look [here](#) on our website.

Safety

- There were no Lost Time Injuries (LTI) for EDF Energy staff during the period, meaning there have been 419 days (more than a year) without an LTI.
- There were no lost time incidents (LTIs) for contracting partner staff during the period, meaning there have been 373 days (more than a year) without an LTI.
- The station had no emergency service call outs during July
- The station had no environmental events during the month and has gone 1216 days (more than 3 years) without an environmental event.

Station news

Following the core inspections and extensive modelling, the safety case providing the justification for return to service of Reactor 4 has been provided to ONR for their assessment. The ONR will, completely independently, review the case before deciding whether or not to approve for return to service. It is not possible for us to confirm with certainty how long this process will take; our top priority is that it's completed with appropriate rigour.

Energy market rules require us to provide our most likely view of return to service dates.

To support time for the ONR assessment, we have declared 30 August 2019 for Reactor 4, a slight adjustment to the previously declared date of 5 August.

The safety case for Reactor 3 was submitted to ONR on 17 June and is undergoing rigorous review. Our target for Reactor 3 remains as 1 October.



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More information regarding graphite can be found on our [website](#).

SmartSTEMs celebrates reaching 10,000th student

A charitable organisation that aims to inspire the next generation of scientists and engineers celebrated a significant milestone at a recent event in Glasgow.



More than 570 girls learned about the benefits of a career in science, technology, engineering and maths (STEM) at an event held by SmartSTEMs at Glasgow Caledonian University (GCU).

Madison Caldwell (10) from St Bernard's Primary School in Nitshill was identified as the 10,000th pupil to attend and was presented with a Lego wind turbine kit donated by headline partner EDF Energy to mark the milestone.

Madison said: "I won a wind farm Lego kit for being the 10,000th young person to come to SmartSTEMs. I'm really happy to have won, the kit looks really cool".

The pupils aged between 10 and 14, from schools across the city, heard from Digital Security, Forensics and Ethical Hacking student Maria Khokhar, winner of the GCU Student of the Year award, and Rachel Boyd, a technician at Hunterston B power station, about her career in STEM. They also took part in a series of hands-on workshops including 'Wired for Sound: Exploring Analogue and Digital Technologies in Live Audio', 'Build your own Fitbit' and 'Keeping you safe in Cyber Space'.

Figures show that at the moment just one in four people working in core STEM careers in Scotland is female. Research also shows that in engineering alone 124,000 new recruits will be needed each year until 2024 to meet job demand.

Events run by charitable organisation SmartSTEMs target pupils aged 10 to 14 and aim to address these challenges and encourage more people from diverse backgrounds to study STEM subjects at school.

The session was one of 20 SmartSTEMs plan to deliver in partnership with EDF Energy before the end of the year, reaching up to 5,000 pupils.

Rachel Boyd, said: "When I was growing up I was always lucky to have female role models working in engineering who inspired me pursue a STEM career. It was only when I started my training that I realised how few women there actually were working in the industry. Right now, only one in four people working in core STEM industries in Scotland is a woman. That is why I think it is so important that girls today have visible role models they can identify with.



"I'm delighted that EDF Energy's support has helped SmartSTEMs reach this milestone. We want to open girls' eyes along with those of their parents and teachers, to the variety of jobs available in these

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industries. Giving them the chance to hear from women working in these jobs and to find out about the range of careers they could enter can do just that.”

Stuart Macdonald, of SmartSTEMs said: “We are delighted to pull together many wonderful industry partners and scores of generous volunteers to deliver this great event for these young girls. Proud to be playing our part in making Scotland a great place to discover and pursue STEM careers.”

Next local community meeting

The next Site Stakeholder meetings (SSG) is on 5 September 2019.

This meeting will take place at The Waterside Hotel, Ardrossan Road; lunch will be at 1 pm, followed by the meeting at 1.30 pm. Members of the public are welcome to attend, and these meetings will be advertised in the local press.

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Glossary of terms

Term	Definition
Unit	A unit refers to one of the reactors at the power station and its generating turbine
Nuclear reportable event or incident	Nuclear reportable events are significant events, such as non-compliance with or inadequacy in the safety case. These (along with other, less significant events) are reported to the Office for Nuclear Regulation (ONR) in compliance with EDF Energy's nuclear site licences.
Environmental event or incident	Environmental events arise from wastes or discharges above permitted levels or breaches of permitted conditions which result in an environmental impact. These (along with other, less significant events) are reported to SEPA.
Lost Time Incident (LTI)	When a member of staff injures themselves at work, and is absent from work for one day or more, this is referred to as a lost-time incident (LTI)
Outage	A period during which a reactor is shut down. The periodic shutdown of a reactor including for maintenance, inspection and testing or, in some cases, for refuelling is known as a planned outage. In the UK, some planned outages are known as statutory outages and are required by the conditions attached to the nuclear site licence needed to operate the station. Unscheduled shutdown of a reactor for a period is known as an unplanned outage.

