

Hunterston B monthly report

July 2018

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 Friday 9 March for its planned interim inspection outage. Unit 8 was operating throughout the month of June.

Safety

- There were no Lost Time Injuries (LTI) for EDF Energy staff during the period, meaning there has been 23 days without an LTI.
- There were no lost time incidents (LTIs) for contracting partner staff in June meaning 3,746 LTI free days up the end of the month.
- The station had two emergency services call out during the month. On both occasions an Ambulance attended site when an employee had become unwell. The individuals' conditions were not work related.
- The station had no environmental events during the month and has gone 820 days without an environmental event.

Station news

Inspection work is now underway on Reactor 3 as part of the plans put in place to outline a new graphite safety case which will give the regulator the ONR assurance in the safe shutdown of the unit in an extreme seismic event.

The work started on 19 June and will look at around 60 channels in the reactor making this the most intensive reactor programme we have carried out so far. Together with the earlier inspections this means we will have inspected around 25% of the reactor.

The cracks we have found in the past and those we expect to confirm during these inspections have no impact on the normal operation of the reactor and would only present a challenge in the event of a major earthquake. Even though the chances of this happening are extremely remote, it is right that we

base our safety case on the most extreme possibility and it is therefore modelled for a 1 in 10,000 year event.

When we say nuclear safety is our overriding priority we mean it. We work closely with our regulators at the ONR and welcome the strict regulation that they provide. It underlines our joint determination to ensure nuclear safety.

The inspections will run for the next few weeks. We are committed to keeping the community updated and will share more information with you in future editions of this newsletter. In the meantime, if you would like to know more about the effects of graphite cracking on the core you can read the most recent [letter](#) sent to the Site Stakeholder Group and look at the [Lifetime Management](#) section of our website.

Company news

Two ground breaking projects opened by EDF Energy

Jean-Bernard Lévy, the EDF Group Chairman and Chief Executive Officer, Bruno Bensasson, the Group Executive Vice-President in charge of Renewable Energies and Simone Rossi, EDF Energy Chief Executive Officer officially opened two ground breaking projects in the United Kingdom: the Blyth off-shore wind farm and the West Burton B battery storage facility.



Blyth Offshore wind farm

Blyth off-shore wind farm, Northumberland, is composed of five turbines with total generation capacity of 41.5 MW. Several innovations have been built in to contribute to enhanced competitiveness of off-shore wind power.

Blyth is the first off-shore wind farm to use float and submerge technology. The wind turbines are supported with gravity-based foundations transported by floating, which reduces the installation costs. A 49 MW battery storage facility located at West Burton B power station is the largest project in the new frequency control system which will be deployed across the UK to improve stability of the national grid.

Against the backdrop of extensive development of renewable energy generation and the closure of ageing power plants, battery storage technology supports stability of the grid and can be used for rapid response to fluctuations in grid frequency.

Next local community meeting

The next Site Stakeholder meetings (SSG) is on 6 September 2018.

This meeting will take place at The Waterside Hotel, Ardrossan Road, West Kilbride; 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.