

Hunterston B monthly report

September 2017

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

Both unit 7 and unit 8 were operating throughout the month of August. Unit 4 was manually shutdown on Friday 8 September for its planned statutory outage

Safety

- There were no lost time incidents (LTIs) for EDF Energy staff in September meaning 3,485 LTI free days up to the end of the month, that's more than nine years.
- There were no lost time incidents (LTIs) for contracting partner staff in September meaning 3,473 LTI free days up the end of the month, that's more than nine years.
- The station had no emergency service call out during September.
- There were no on site medical treatments during the month.
- The station had no environmental events during the month and has gone 547 days without an environmental event.

Station News

Boost for North Ayrshire business as Hunterston B power station maintenance starts

There will be a boost for businesses in North Ayrshire as hundreds of additional workers join the team at EDF Energy's Hunterston B power station to carry out a major maintenance programme worth around £20m.

One of the two reactors at the power station was taken off line on Friday 8th September for an eight week period.

The start of this maintenance period also marks a record run for the station. The reactor has been safely generating low-carbon electricity continuously since it was brought back into service at the end of its last outage period. When the reactor was taken offline it had been running for 495 days; that is the longest run in the station's 41 year history.

More than 450 extra workers will join the 750 strong workforce for the maintenance period, which is known as a "statutory outage".

EDF Energy carries out a statutory outage on each of its reactors every three years. These are planned in advance with the National Grid to ensure that there is no impact on the national electricity supply. The other reactor at Hunterston B is due to continue operating normally throughout the period.

During the outage workers will carry out more than 10,000 separate pieces of work, each carefully planned during the last two years of preparation, including inspections of a range of systems including the boilers, electrical systems and the graphite core. The biggest projects will include replacing three low pressure turbine rotors and the main generator electrical rotor.

Company news

Hinkley Point C site progress

Contracts for the UK's first new nuclear power station at Hinkley Point C in Somerset were signed one year ago on September 29, 2016.

There are now 2000 workers at the site building the new power station, with more than 76 apprentices working on the project which will create more than 1000 apprenticeships during construction.

Four million cubic metres of earth have been excavated, enough to fill Wembley Stadium, and 10,000 tonnes of rock has already been delivered by ship from Pembroke, for the site's new 13.5 metres high seawall.

The project remains on track to meet the 64% UK supply contribution with nearly £9bn of contracts signed since final approval. The latest contract with ABB Group was signed this week for the main power transmission systems for both reactors.

And £15 million is being invested into education, employment and skills to help inspire the next generation and provide people with the necessary training and support to help them into long term careers.

Hinkley Point C Programme and Construction Delivery Director, Nigel Cann said: "Hinkley Point C is one of Europe's largest construction projects and it's already an awe-inspiring sight. Work is continuing on the temporary jetty, a defensive sea wall and the laying of circulation water system pipes. The landscape is constantly changing as thousands of tonnes of earth are excavated.

“The project is bringing together firms and expertise from across the UK and the world. We have already achieved a lot and our focus is firmly on what we need to deliver in the year ahead and beyond.”

Next local community meeting

The next Site Stakeholder meetings (SSG) is on 7 December 2017.

This meeting will take place at the Lauriston Hotel, Ardrossan; 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 |
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| 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 |

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| | <p>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.</p> |
| Lost Time Incident (LTI) | <p>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)</p> |
| Outage | <p>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.</p> |