

Sizewell B power station

Monthly Newsletter Issue 576

February 2015

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. These reports are available to all members of the public on www.edfenergy.com.

Whilst 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.

Safety

During the period of the report there have been:

- No Lost Time Injuries (LTI)
- No environmental incidents
- No nuclear reportable incidents

Station output

The station has operated at around full power during this period.

Please click on the link below that provides a daily update of the status of our eight nuclear power stations. The link will show which nuclear reactors are in service and what they were generating at the time the information was updated. You can also see which reactors are out of service, what the reasons are and when we expect them to return to service. In addition, we have included the expected timing of the next statutory outage of each nuclear reactor.

<http://www.edfenergy.com/energy/power-station/daily-statuses>

Company news

Diving into a new challenge

Engineering challenges from the 1940s faced EDF Energy's newest recruits who took over the maintenance of HMS Alliance, a Second World War submarine.

HMS Alliance is based at the Submarine Museum, Gosport, and every year EDF Energy's apprentices spend time on the boat looking at how best to keep it maintained.

The EDF Energy apprentices spend two years at the Babcock Engineering Academy, within HMS Sultan, a Royal Navy military base also in Gosport, before returning to the home stations to complete their apprenticeship.



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Ian Williams, EDF Energy's apprentice manager based at HMS Sultan, said: "We have strong links with HMS Alliance stretching back many years.

"The apprentices spend time on the submarine and get a chance to use their newly-acquired skills, tracing systems and researching how they worked on this historic vessel, which includes interviewing ex sub-mariners."

10,000 not out at Dungeness B

Two years after first opening its doors, Dungeness B visitor centre has welcomed its 10,000th visitor.

The interactive centre at the nuclear power station in Kent has proved extremely popular with people of all ages since it opened.

Station director Martin Pearson said: "The response we have had from our visitors has been very positive and I am delighted that so many people have decided to come here to find out about how we generate electricity.

"Many schools, colleges and local groups have visited the centre over the last 24 months and we're taking many repeat bookings from teachers."

Sizewell B and the Community

Sizewell B marks 20 years of low carbon electricity generation

On 14 February 2015, Sizewell B reached 20 years of electricity generation.

From commissioning to date, the station has generated 172 terrawatt hours (TWh) of low carbon electricity - that's approximately enough electricity to have powered every home in the UK and 60% of all homes in Spain for a year.

The station was 'married to the grid' on 14 February 1995 and has saved some 117 million tonnes of CO₂e which is equivalent to taking all of the passenger cars off UK roads for 1.8 years.

3,000 UK companies were involved in the construction of Sizewell B with nearly 700 of them based in East Anglia. With 550 staff and 250 contractors the station is one of the biggest employers in the region. The power station is worth £40million a year to the local economy.

It's a double celebration for Sizewell B as The Office for Nuclear Regulation (ONR) approved the safety case for the station to operate for a further 10 years. The industry regulator confirmed Sizewell B meets its safety case to continue delivering low carbon power to over 2million customers until 2025. A Periodic Safety Review (PSR) is carried out every 10 years at all nuclear power stations in the UK.

Two Sizewell B employees raise thousands for charity

Sizewell B employees Hazel Hawkins and Lana Challis have reached an incredible fund raising target and lifetime achievement, scaling Mount Kilimanjaro.

The pair have raised over £16,300 for Marie Curie, beating their original target of £4,500 by over 360%.

Keen to really put themselves to the test, Hazel and Lana took on the biggest challenge they could find for EDF Energy's charity partner.



The fundraising duo were a regular sight around the county whilst training for the challenge. But as Suffolk isn't known for its hills they also trekked around the Lake District and scaled two of the three peaks. They clocked up some 160 miles in their walking boots just in training.

Lana and Hazel set off for the Kilimanjaro Trek on 13 February, for a ten day trip, including six days trekking, taking in some of Tanzania's most spectacular sights before reaching the mountain's peak at 5895 metres.

Marie Curie was selected as EDF Energy's three-year charity partner in May 2013 by an employee vote, which more than 7,000 members of staff participated in. All of EDF Energy's employees are encouraged to fundraise for the charity, and EDF Energy has pledged to match this fundraising by up to £100,000 for each year of the partnership.

Dry Fuel Store Update

We continue with the concrete pour of the Dry Fuel Store (DFS) base slab which is now 55% complete. The building steelwork and cladding work will commence shortly.



Legacy electricity equipment has been removed which provides space for the the preparation of the remainder of the DFS building area.

Work is continuing on the manufacture of the DFS equipment and storage casks.

We have received the first major component (Hauling Transporter) and it is undergoing site testing.

The remaining components which will allow us to commission the system are close to completion and following testing will be shipped to Sizewell.



Next local community meeting

The next Sizewell Stakeholder Group meeting will take place on Thursday 4 June 2015 at 19:00 hrs at the Saxmundham Market Hall. Any member of the public is welcome to attend.

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If you would like to receive this newsletter via e-mail please contact Niki at the above address.

Term	Definition
Nuclear reportable event or incident	Nuclear reportable events are events reported to the Office for Nuclear Regulation in compliance with EDF Energy's nuclear site licences.
Lost time injury	Lost Time Injury is an absence of one day or more resulting from an injury incurred during an accident - generally in UK industry a less stringent three day or more criteria is used.
Environmental event or incident	Environmental events arise from wastes or discharges above permitted levels or breaches of permitted conditions.
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.
Unit	A unit refers to one of the reactors at the power station and its generating turbine