

Site Stakeholder Group

Sizewell B report – September 2019

Station Director's report – September 2019

1. Safety performance and staffing

Station Safety Performance

We measure our safety performance against top tier indicators, including nuclear reportable events, environmental events, and staff and contract partner recordable injuries. During the period of the report there has been:

- No injuries to staff
- No nuclear reportable incidents
- No environmental incidents

Staffing at Sizewell B

We currently have **544** members of EDF Energy staff this includes **14** Apprentices, **5** Technical Trainees, **1** Graduate and **2** Industrial Placements and **250** year round contracting partners.

2. Generation

Sizewell B returns to service

Sizewell B power station has returned to service following its planned refuelling and maintenance outage. The reactor and Turbine 1 at the power station were synchronised to the national grid at 10:28 hrs on Monday 05 August 2019 followed by Turbine 2 on Friday 09 August, returning the station to generating at full capacity.

As the station is returning to service, a number of tests are carried out where you may see and hear steam being released into the atmosphere. The steam is from clean water systems and does not present any threat to the public or the environment.

EDF Energy has invested £60m to complete this important work at the station which enables the reliable, continuous supply of low carbon generation to over 2.5million homes and businesses. Sizewell B plays a vital role in helping the country meet its Zero Target commitments and last year alone saved 3million tonnes of Co2 emissions which is the equivalent of taking 1.3m cars off UK roads for a year.

The station is brought offline every 18months where a third of the fuel is replaced in the reactor and thousands of maintenance jobs are completed during this work period. An additional 1,200 specialist workers joined the station's 800 workers to refuel and maintain Sizewell B. As well as refuelling the reactor at Sizewell B, workers completed 15,000 maintenance tasks at the power station. Significant pieces of work being carried out included maintenance and inspection of the rotor on turbine generator 2. The incredibly powerful turbines spin 3,000 times a minute to power each of the two generators at the station.

Refuelling outages are always busy periods for us and for the area, so I thank you and all our neighbours in the local community for your support and patience over this period.

Please click on the link below for 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>

Ammonia event at Sizewell B

Ammonia is used at Sizewell B to dose our condensate water systems to control PH level. On Friday 12 July, a moderate amount of ammonia leaked from an ammonia storage tank at Sizewell B.

The leak was immediately contained in a bunded area and the contents were successfully transferred to containers for disposal through the approved route.

Nobody was injured and there was no risk to public health and no environmental impact as a result of this incident.

A site operational alert was initiated, and the Emergency Control Centre was set up to deal with the incident. As a precaution access to parts of the neighbouring beach were temporarily restricted to avoid people coming into contact with the strong smell from the ammonia. The emergency services were contacted and the Police helped with the restricted access to the beach area.

An investigation has been implemented to gather the learnings from the event and we have met with local residents to gather their feedback.

At that time the power station remained switched off for its planned maintenance and refuelling outage.

3. Company News

Hinkley Point C hits its biggest milestone yet

Hinkley Point C has hit its biggest milestone yet on schedule. The completion of the base for the first reactor, known as 'J-zero', means that the construction of the nuclear buildings above ground can now begin in earnest.

The final 9,000m³ of concrete was the largest concrete pour in the UK, beating a record set by the Shard in London. Reinforced with 5,000 tonnes of Welsh steel, the base has been under construction by the UK-French joint venture of Bouygues-Laing O'Rourke for six months.

A good progress and efficiency improvement means that the second Hinkley Point C reactor will hit its own J-zero moment in June 2020.

Hinkley Point C's reliable low carbon electricity will play a vital role in helping the UK tackle the climate change crisis. With a large expansion of renewables, it will make 'Net Zero' emissions possible and help the UK have an affordable and secure electricity supply.

Almost 4,000 people are now working at Hinkley Point C. Half of them are from the local area.

EDF Energy CEO Simone Rossi said: "Hinkley Point C's progress is good news for anyone concerned about the climate change crisis. Its reliable low carbon power will be essential for a future with no unabated coal and gas and a large expansion of renewable power. "The innovation at Hinkley Point C sets up the opportunity to reduce costs for consumers for a near identical power station at Sizewell C in Suffolk."

4. Sizewell B and community news

Relocated Facilities at Sizewell B

Following a period of consultation with the local community, in April 2019 EDF Energy Nuclear Generation Limited submitted a planning application to East Suffolk Council, for the relocation of some of Sizewell B facilities.

The main buildings we are proposing to move during this phase are related to administration, education and training, along with supporting car parking as these buildings are located on land we would like to use for Sizewell C, if we gain planning permission for the proposed new power station. EDF Energy will submit a separate planning application to ask for permission to build Sizewell C.

EDF Energy's response to the consultation feedback can be found the East Suffolk Council (ESC) website: <http://www.eastsuffolk.gov.uk/planning/planning-applications/publicaccess/>.

The Planning application will go to the Strategic Planning Board on 9th September 2019.

We plan to update local people following the outcome of the Strategic Planning Board.

40,000 visitors come to see Sizewell B

Sizewell B has welcomed its 40,000th visitor to the power station since reopening to the public in 2012.

Pupils from Woods Loke Primary School in Lowestoft marked the milestone with cake and a tour of the exhibition centre with Paul Morton, Sizewell B station director.

Mr Javes, Woods Loke Primary School Year 4 form teacher, said: "We wanted to visit Sizewell B because we are learning about why our planet matters and how nuclear power stations can help tackle climate change by producing low carbon electricity. The visit has been great and was topped off with cake too, we will definitely come again!"

Paul Morton, Sizewell B Station Director, said: "We are delighted that Sizewell B continues to be a popular place for people to visit and it was wonderful to mark our 40,000th visit with pupils from Woods Loke Primary School."

Sizewell Visitor Centre is a great facility where people can learn about how low carbon electricity is made. To arrange a visit please contact sizewellbtours@edf-energy.com or 01728 653974.

Science in the summer holidays

Hundreds of children have visited Sizewell B with their families over the summer holidays to take part in free science themed activity fun days.

- Wed 31 July: Science and nature – explore plants, weather and animals
- Wed 7 August: The moon, the stars, the planets and rocket building!
- Wed 14 August: Physics, it's everywhere. Have fun and be creative with light
- Thu 22 August: Humans, how do we work? Explore our senses and skeletons
- Wed 28 August: Summer science finale—let's try the messiest and loudest experiments!

Children have learnt about the wonders of the human body thanks to support from the Suffolk Accident Rescue Service (SARS) who loaned CPR dummies for the event. Visitor Centre Guide Elizabeth ran the workshop and is a volunteer with SARS, a charity that provides specialist volunteer responders to the Ambulance service.

Children have also spent time looking at light and prisms and making kaleidoscopes with the help of the visitor centre guides

During the final week of the school holidays families have put chemistry lessons to the test by creating mini volcanos. The science behind sound was explored with a contest to see who can make the noisiest instrument.

Contacts:

Marjorie Barnes, Senior External Communications Manager
Tel: 07515295488, 01728 653378
Email: Marjorie.barnes@edf-energy.com

Niki Rousseau, Community Relations
Tel: 01728 653258
E-mail: niki.rousseau@edf-energy.com