

Site Stakeholder Group

Sizewell B Report - September 2015



Station Director's Report - September 2015

1. Safety performance and staffing

Station Safety Performance and staffing numbers

During the period of the report there has been:

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

Staffing at Sizewell B

We currently have **522** EDF Energy staff, **39** Apprentices and **250** year round contracting partners.

2. Generation

Operational 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>

3. Company Update

Preferred bidders announced for proposed Hinkley Point C project

EDF Energy's work to ready the Hinkley Point C project for a final investment decision has taken a further step forward with the announcement of more preferred bidders.

This has been made possible by work from EDF Energy and suppliers to create a supply chain ready to build the proposed nuclear power station in Somerset. Any contract signings are subject to a final investment decision.

National, local and international supply chain events over the last six years have helped UK businesses understand the requirements necessary to join the project which will restart new nuclear construction in Britain after a 20-year pause.

It is now estimated that more than 60% of the construction cost will be placed with UK firms, against an initial estimate of 57%.

EDF Energy completes plan of safety enhancements following Fukushima

EDF Energy has successfully completed a series of enhancements at its nuclear stations following the events in Japan in 2011 - within the time agreed with its regulator and on budget.

A thorough review of the UK's nuclear power sector following the events at Fukushima by the Chief Nuclear Inspector Dr Mike Weightman found that UK facilities had "no fundamental weaknesses."

Dr Weightman made a number of recommendations to further enhance safety and resilience and EDF Energy immediately started a plan to meet these recommendations at its eight nuclear power stations.

As previously communicated with the SSG, the final enhancements will be carried out at Sizewell B during the next refuelling outage.

West Burton B gas power station opens its doors to the public

A new visitor and development centre has opened its doors at the West Burton B gas power station the eighth such centre to be opened by EDF Energy.

The centre will allow visitors to see how electricity is produced at first hand and includes new training facilities for the power station.

The centre is designed to capture the imagination of children and adults with hands-on displays and guided tours of the modern gas-fired site. It was opened by EDF Energy's Chief Executive Officer Vincent de Rivaz and Bassetlaw MP John Mann.

4. Sizewell B news

Dry Fuel Store Update

The Sizewell B Dry Fuel Store Project achieved a major milestone in May with completion of construction of the main Dry Fuel Store Building (DFSB) slab.

Safety performance has been a particular area of focus for the project team. Over 400,000 manhours have been worked on the site with no Lost Time Incidents (LTIs).

The groundworks, which started in July 2014, involved excavating 12,500 tonnes of material including 7,500 tonnes of legacy concrete foundations, which were crushed and re-used on site as backfill.

The DFSB slab is composed of 3,000 tonnes of steel reinforcement and 12,500 tonnes of concrete. It contains a 7m deep by 4m wide vertical concrete shaft which is known as the cask transfer facility. The first structural concrete pour took place in November 2014. The slab is seismically qualified and has been designed to resist the effects of elevated temperatures over a 100 year design life.

Work is now well underway to construct the DFSB which will house spent fuel for the lifetime of the power station or until a deep geological disposal facility is available.

Construction has now reached a stage where teams can demonstrate that the system operates effectively, without actually handling any nuclear fuel, this is called 'inactive' commissioning phase.

Environmental Monitoring Program

From July 2015 Sizewell B has taken over responsibility from Sizewell A for completing both sites Environmental Monitoring Programmes. This currently involves the collection of over 180 samples and taking of over 200 readings per year from Southwold to Orford. The purpose of this programme is to monitor levels of radioactivity in the environment and to provide reassurance to all stakeholders including government agencies and local communities.

This represents the successful completion of a year long project which started with building a new facility, which is a new purpose built laboratory within the Emergency Response Centre, in Leiston. and culminated with a 2 day inspection by the Environment Agency to demonstrate the sites capability to carry out the work.

Over the coming months the Environmental Monitoring Programme will be reviewed and re-submitted to the EA to ensure the samples and measure regime that we have inherited from Sizewell A continues to represent Best Available Techniques.

5. Community News

Sizewell B schools students in the world of work

Two school girls from Leiston joined Sizewell B power station to get a taster of the real world of work. Maddie Buzzard and Lauren Bell, both 15, attend Alde Valley High School opted to spend their work experience placements with EDF Energy.

When she hasn't got her head in the books, Maddie earns her pocket money at the ice cream parlour in Aldeburgh.

Trading ice cream cones for spanners, Maddie joined the Sizewell B maintenance department for a one week work experience placement. The maintenance team play a crucial role at the power station ensuring Sizewell B runs at peak performance.

Both Lauren and Maddie are studying for their GCSE exams next year. Maddie hopes to go on to take up an apprenticeship or head to university and Lauren intends to pursue a science related career. Sizewell B takes about a dozen students each year for work experience placements, giving youngsters an opportunity to try out a career with EDF Energy.

Meet the new Sizewell B apprentices

Sizewell B power station's newest intake of apprentices enjoyed an open evening with their families to find out more about the four-year scheme they will start in September.

The future apprentices and their parents heard about the world-class facilities and engineering training at Royal Navy Base HMS Sultan near Portsmouth, where they will be based for the first two years before returning to Sizewell B to complete their training on site.

This year four apprentices have been recruited for Sizewell B; Tom Carton (19yrs), Glen Bunting (15yrs), Gary Jackman (19yrs) and Eliot Bird (17yrs).

It is second time lucky for Eliot who applied for the apprenticeship scheme last year and made it through to final interview stage. Eliot took on board the feedback at the interview and sharpened his practical skills by volunteering at the East Anglia Transport Museum in Carlton Colville before applying for this year's apprenticeship intake.

The apprentices and their families have been to visit HMS Sultan over the summer. Once there, they will get a tour of the base and will see where they will be living and training and get the opportunity to meet up with over 50 other EDF Energy apprentices from sites around the UK.

Suffolk scientist carries out career experiment at Sizewell B

A determined female physics graduate from Woodbridge has been given an insight into science at Sizewell B.

Rebecca Morgan, 23, graduated from Bristol University in 2013 with a degree in Physics. Without securing a work experience placement Rebecca didn't know what sort of career would suit her and she ended up working in a warehouse stacking shelves.

Determined to put her science skills to good use, Rebecca contacted Sizewell B to ask if the station might consider her for a work placement. With her science background she asked to shadow someone who worked in Health Physics.

Guy Renn, Head of Radiological Protection at Sizewell B who has put many graduates and Industrial Placement students through their paces, seized the opportunity to help out when the opportunity was flagged up by the station's community liaison officer.

The placement at Sizewell B was a perfect fit for Rebecca as it gave her access to the Environmental Safety Group at the station, responsible for Chemistry, Health Physics and Environmental Safety. As Rebecca found out it's not just about working in the station labs though. She spent time in the turbine hall where power is made for over 2million people and got access to the new emergency response centre to see for herself the resilience of the station.

Sizewell B support for Aldeburgh carnival

A dozen Sizewell B apprentices joined Aldeburgh carnival as EDF Energy boosts its support for the popular annual event in the seaside town.

The power station has once again pledged £500 to boost carnival coffers and has supported the committee with the event organisation. Members of the Sizewell B visitor centre team will also help judge this year's carnival procession. This year apprentices from the Sizewell B maintenance team pitched in as stewards to ensure the safety of visitors and carnival participants. The apprentices helped with traffic management and ensured that the float parade past safely through Aldeburgh. They were also on hand with collection buckets to raise money for the carnival. Sally Shaw, Sizewell B Engineering Manager, volunteers on the carnival committee.

Science in the summer holidays

School's out for summer but science-based fun is still on the curriculum for children dropping by Sizewell B.

Over 200 local children have already taken part in the free sessions which have been held at the power station visitor centre throughout August.

Sizewell B visitor centre guides have a fun packed agenda for young visitors to introduce them to science in a fun way. Children can get a taste of forensic science whilst taking each others fingerprints and learn about the basics of chromatography through making butterfly paintings. They can also learn how to make something float through junk modelling and how to launch a straw rocket.

The Sizewell B visitor centre is still open for public visits over the summer holidays as normal. To find out more details please contact sizewellbtours@edf-energy.com.

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