

Dungeness B monthly report

June 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.

Safety

- There have been seven TRIR events recorded for Dungeness B in 2015; however, none of these have been associated with the statutory outage.
- There have been 9 accident book entries - all of which have been minor in nature.

Environmental Safety

- There were no environmental reportable events at Dungeness B in June 2015.
- Ongoing groundwater monitoring has identified an increasing trend in tritium concentrations towards the centre of the site which exceed the 100Bq/l investigation level agreed with the Environment Agency. This event does not pose a risk to the public; our ongoing groundwater monitoring has identified tritium concentrations towards the centre of the site which exceed the investigation level agreed with the Environment Agency. The level of tritium that has been identified is well below the World Health Organisation's guidelines for drinking water and does not pose a risk to the public, our employees or the external environment. Station personnel are working closely with both the Environment Agency and Office for Nuclear Regulation to investigate the cause and resolve it.
- Background: In December 2012 we identified raised levels of tritium in boreholes at Dungeness B during routine monitoring. There are 160 boreholes on the site which are used to monitor groundwater. Although the tritium levels were very low and posed no health risk to the public and our workforce, we decided it would be sensible to increase our inspection programme and since then have monitored more of the boreholes more frequently. It was this increased monitoring programme which allowed us to identify higher levels in September 2014 – more information can be found online: <http://bit.ly/1J4qCaM>. Following repairs on a small section of pipework the levels dropped and that investigation was closed.

Station Output

- **Reactor 21** was shutdown at 18:00 hours on 16 June 2015 for the second (DRO) and was re-synchronised to grid at 19:15 on 29 June. Reactor 21 continues to operate at full load.
- **Reactor 22** was shutdown at 19:50 on 1 May in order to begin its Statutory Outage.



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Dungeness B News

Dungeness B donate towards Turtle Bus

After successfully submitting a request to our sponsorships and donations committee, local nursery Baby Seashell's celebrate the arrival of their 'Turtle Bus'. The nursery takes care of local children from baby to toddler, many of which are station staff's children and the bus will allow them to take the children on local visits.



The 'Big Week' 2015

Following the results of our Nuclear Safety and Employee Engagement Survey in 2013 the station held its first "Big Week!", a week of staff engagement activities in an effort to continually develop new and innovative ways to communicate. The event was so successful it was decided to make it an annual event which would include: Health and Wellbeing, Diversity and Inclusion, and Safety related activities. This year's 'Big Week' included: Hula Hoop Your Way To Healthy, Healthy Hook A Duck, Diversity and Inclusion taste test, 'It's not just about your...selfie' – our Life Saving Rules Photo Booth, Rye Ukulele Group, Outage Oscars and much more!



The Big Bang South East

Four members of staff from Dungeness B Power station attended the Big Bang festival in the South England showground to showcase the use of Science, Technology, Engineering and Maths within the nuclear industry. The stand consisted of three activities centred around the reactor fuel cycle, from new fuel to maintenance with a protective workwear dress up game, activities around de-fuelling and dispatch as well as waste sorting through the use of robotic manipulators. More than 7,000 pupils ranging from primary through to sixth form attended the event with at least 1,000 of these interacting directly with the stand.



Lydd Club Day

Dungeness B Visitor Centre hosted a stand at Lydd club day this year. As well as offering information on tours and our EDF Energy Apprentice Scheme, there was also the opportunity to have Zingy face paint too!

Company News

Busy summer at thermal plants

Cottam and West Burton A power stations are set for a busy summer, as both sites have started maintenance shutdowns.

Staff at Cottam power station have been planning for its multi-million pound maintenance programme, which started on May 16, for the past 12 months. The team at West Burton A is a month into its shutdown.

Up to 1000 extra workers will join Cottam's 300-strong team during the maintenance period, providing a boost to the local economy.

The team will carry out more than 9200 separate pieces of work – each carefully planned. And a similar amount of work, supported by the extra contractors, will be carried out at West Burton A.

Survey work starts offshore at Blyth

EDF Energy Renewables has been carrying out site investigations within the area of its planned Blyth Offshore Demonstration Project.

There were two key areas of work taking place, geophysical, by EGS (International), Ltd, which looked at the sea bed and geotechnical, by GEO (Denmark), which drilled boreholes into the seabed to understand rock formation.

Two specialist vessels, the Blue Beta and the Morven, carried out the surveys at the proposed site for the turbines and the route the wind farm's electricity cable will take to shore.

Cheltenham science success

EDF Energy is playing a key part in encouraging youngsters to become the scientists and engineers of the future - recently supporting the Science for Schools' programme at Cheltenham Science Festival.

The education programme was the heartbeat of the Science Festival, with thousands of young people discovering fascinating science from some of the world's leading scientists.

More than 70 volunteers from the company's Barnwood office where the Generation business is headquartered helped out at Cheltenham, sharing their own inspiring stories about why a career in science was right for them.

Contacts

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Glossary of terms

Term	Definition
Nuclear reportable event or incident	Nuclear reportable events are events reported to the Office for Nuclear Regulation (ONR) in compliance with EDF Energy's nuclear site licences.
Total Recordable Injury Rate events (TRIR)	The number of lost time injuries and restricted work injuries and medical treatments.
Statutory 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.
Double Reactor Outage (DRO)	A planned period of maintenance of plant on one reactor and shutdown of our second reactor to allow refuelling activities.
Lost time injury (LTI)	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.
International Event Scale rating (INES)	International Event Scale - Events are classified at seven levels: Levels 1–3 are "incidents" and Levels 4–7 "accidents". These levels consider three areas of impact: people and the environment, radiological barriers and control, and defence in depth. The scale is designed so that the severity of an event is about ten times greater for each increase in level on the scale. Events without safety significance are called "deviations" and are classified Below Scale/Level 0. Level 1 is an anomaly.