

Site Stakeholder Group

Dungeness B Station Director's report - 24 May 2012



1. Safety and station update –Martin Pearson, Station Director



At Dungeness B we continue with our excellent record in industrial safety. With respect to our Lost Time Incidents (LTI), as of the end of April we have achieved 715 days since the last EDF Energy LTI and 1670 days since the last contract partner LTI. We record an absence of one day or more resulting from an injury incurred during an accident as an LTI; generally in the UK industry a less stringent three day or more criteria is used.

Since the last SSG, I am pleased to report that Dungeness B has been awarded Winner in the Electricity Industry Sector in the prestigious RoSPA Occupational Health and Safety Awards 2012. The Royal Society for the Prevention of Accidents (RoSPA), a safety charity launched its awards over 55 years ago. The scheme looks not only at accident records, but also entrants' overarching health and safety management systems, including important practices such as strong leadership and workforce involvement.

Moving on to nuclear safety, as you can see from the photo on the front of this report, or you may have already seen in person, I have installed a 4 ½ tonne granite block at the entrance to our site. I wanted to re-affirm to everyone on site, and make it clear to everyone that comes to our power station that 'Nuclear Safety is our overriding priority'. It doesn't matter whether you are an EDF Energy employee, a contract partner, a visitor, a family member picking someone up or just offloading something to our stores.

I wanted this to be a very visible and indestructible image, that will be here until the station has no fuel left inside the reactors or the ponds, of how we behave and that our past success and future depends on upholding this principle as a true embedded value. I hope it acts as a reminder every day and sets the scene for any visitor to our plant about what we stand for.

Finally, as you will see later in the report, I am delighted to report that we have completed our planned 3 yearly statutory shutdown to plan and are now refuelling prior to return to service later in May.

It is important to note that prior to this start up we request permission from our regulator, the Office for Nuclear Regulation (ONR). This permission will only be granted once they have validated the completion of all our pre-outage intentions.

2. Environmental events

During the recent Reactor 22 outage, scheduled work was being undertaken on Gas Circulator 28 Back up Seal Oil Cooler which suffered a gasket failure post maintenance allowing oil to migrate into the cooling water system. The drain from this cooling system is routed through normal surface water drains offering the potential for oil leak. The oil was contained within the water header tank with minimal leakage to the surface water drainage system. The response was professionally executed and no personnel or the environment were harmed.

In early April I wrote to the SSG regarding Dungeness B's response to the drought advice issued throughout Kent by the Environment Agency. Even though the station is classified as an essential user, I wanted to assure members that we are complying fully with the hosepipe ban, whilst maintaining our water consumption to minimum levels.

3. Emergency arrangements

Since the last report the following emergency arrangement exercises have taken place:

1. **Security Exercise - Ex Whitmann.** The primary purpose of the exercise was to test the site's ability to respond, control and manage a security related incident. This was witnessed by the Regulator who deemed the exercise to have met the regulatory standard required by the site.
2. **Level 2 Demonstration Exercise - Ex Windrush.** Dungeness B power station and Kent County Council (the sponsor of the Dungeness off site emergency plan) are required by the Office for Nuclear Regulation to demonstrate the effectiveness of the Dungeness off-site emergency arrangements at 3 yearly intervals (known as a Level 2 exercise). The regulator considered the exercise to be a test of the Dungeness B off-site Emergency Plan. It was considered a valuable demonstration of the co-ordination of emergency procedures between the off-site emergency command centres in support of Dungeness B Power Station.
3. **Team training and exercises.** During this period various exercises and training have taken place, which have allowed teams the opportunity to train/exercise in the station Emergency Command Centres.

During March the new Potassium Iodate tablets were distributed to the Detailed Emergency Planning Zone (DEPZ). Tablets were sent to households via courier, with the NHS replacing the tablets in the reception centres, rest centres and rendezvous points.

Planning is well under way for the remainder of the 2012 exercise programme. The following exercises are scheduled up to the summer and will be using site alarms and tannoys:

- > 6 Jun 2012 – 0930 to 1230 hours
- > 13 Jun 2012 – 0930 to 1230 hours

> 11 Jul 2012 – 0930 to 1230 hours

4. Station events

CO2 released from the Irradiated Fuel Disposal (IFD):

During routine failed fuel operations a CO2 alarm initiated. Action was taken, with the plant returned to a sealed state and the CO2 released halted. No individuals suffered any effects from the CO2 and the subsequent and extensive environmental checks executed, showed no residual CO2 and no contamination.

Maintenance schedule testing:

Four separate requirements were added to the Maintenance Schedule over a period of years, following plant modifications. However the necessary work routines were not put in place. As a result the required maintenance, inspection or testing mandated by the Maintenance Schedule were not undertaken. A schedule of work was undertaken and completed before the reactor was returned to service. The event reported as an International Nuclear and Radiological Event Scale (INES) level 1 event.

5. Production statistics

For the period 1 January to end of April 2012

Production (GWh):

Reactor 21 325.6 (GWh)

Reactor 22 0 (GWh) (as plan)

Reactor 21 returned to service on March 31 and has generated at full power since.

Reactor 22 has completed its planned 3 yearly statutory shutdown to plan (72 days) and is now refuelling prior to return to service later in May.

Number of channels re-fuelled on both units: R21 = 23 and R22 = 10

Number of flasks despatched: 10

6. Community relations



NHS health promotion event

Health teams from Kent Community Health NHS Trust (KCHT) spent the day at Dungeness B Power Station, on Thursday 22 March, to offer a one-stop shop of health services. EDF Energy employees and contract partners were able to speak to a nurse and receive on the spot blood pressure and cholesterol checks.

NHS health trainers, sexual health nurses and stop smoking specialists were on hand to offer chlamydia screenings, free

contraception and advice, information about healthy eating, exercise, alcohol consumption and how to quit smoking. The impromptu clinics were set up in partnership with the onsite Occupational Health Team to coincide with the statutory outage.

University College London visit the simulator

On the 14 March, operations training engineers Linden Avery and Danny Tyrrell hosted a group of 20 post graduate students and staff from University College London (UCL).

The group spent time in the class room learning about Dungeness B and with wider EDF Energy organisation before Linden and Danny took them for an interactive visit around the simulator training facility.

Dr Mike de Smith, from UCL, commented, “It was an extremely valuable afternoon, we all learnt a lot and I am sure those attending will remember the visit for a very long time. It is only by making such visits that students really start to gain an appreciation of the complexities of real-world enterprises”.



Apprentice open day

Dungeness B held its second apprenticeship open day on Saturday 4 February, which proved a hit with many potential young applicants, male and female.

Over 50 young people, some accompanied by their parents, attended to learn more about a career with EDF Energy at Dungeness B power station.

The potential recruits took time to view a video covering the initial two years where our apprentices study at HMS Sultan in Portsmouth, and were shown how Dungeness B generates electricity. Helen Hamilton, HR manager said “The response to the open day has been excellent, it has generated a lot of interest and feedback from applicants and their parents has been extremely positive. We shall be following up our approach with schools and colleges”.

Charity Partnership

HR Team take part in Gold Challenge



Helen Hamilton and Mel Trim formed a Gold Challenge team with six other EDF Energy colleagues and are raising money for the company’s charity partner, the British Paralympic Association (BPA).

Helen and Mel were chosen to visit the Olympic Stadium on Sunday 1 April for a special ‘Gold Challenge’ event.

Alongside other Gold Challenge participants from across the UK, Helen and Mel got the chance to run on the 100m Olympic track and also watch a charity parade through the stadium.

7. Company news

One year since Fukushima

The nuclear industry marked the first anniversary of events in Fukushima. EDF Energy Chief Executive Vincent de Rivaz said: "March 11 is the anniversary of an earthquake and tsunami which killed thousands of people. At this time, our thoughts are with those who were affected. We are fortunate in this country not to have seismic activity on the same scale."

"Nonetheless it is vital to learn the lessons from the nuclear event caused by the tsunami. Looking back, a year on, it is clear nuclear in the UK is even safer because of what has been done. We have put in place a range of measures which further strengthen our safety. It will cost us money. But we will be even safer. These enhancements, and others, will be implemented over the next few years, at a total cost of around £200m, in addition to the £300m that we already spend each year on maintenance."

Nuclear New Build

In February a Franco-British Summit was held in Paris which saw further progress towards EDF Energy's plans to build up to four new nuclear plants in the UK. These new agreements signed at the summit, together with others concluded by third parties in relation to safety, engineering and research and development, will support EDF's plans to develop its first new nuclear plants at Hinkley Point with its partner Centrica.

The project, the final investment decision for which is expected to be made at the end of this year, represents a massive investment in UK infrastructure and unprecedented opportunities for the supply chain in France and the UK, employing up to 25,000 people over the course of construction with 5,600 people on site at peak. There are already in excess of 700 people in UK and France working on the Hinkley Point C project.

EDF Energy presses on with new nuclear despite Horizon decision

After RWE and EON announced they would be pulling out of the UK new nuclear joint venture, Horizon, Vincent de Rivaz, chief executive of EDF Energy, said: "EDF Energy and Centrica remain focused on our project and nothing has changed with regard to that. We are determined to make UK new nuclear a success."

"The UK needs investment in a diverse mix of energy sources including nuclear, gas and renewables. EDF Energy is investing in all three and will commission a new 1300MW CCGT plant in

Nottinghamshire in September and the 62MW Teesside Offshore Windfarm before the end of the year."

"With our partner Centrica we are progressing a strong and credible new nuclear project."

Blue+Price Promise



EDF Energy has launched Britain's first 100% nuclear-backed tariff for residential customers – which comes with a ground-breaking promise to let customers know if a rival supplier brings out a tariff which is £1 or more a week cheaper at typical consumption.

Blue +Price Promise tariffs will offer customers a guarantee that their electricity will be backed from low carbon generation, an industry first price promise and the total flexibility to move to another supplier whenever they like without paying an exit fee.

Regards,

A handwritten signature in black ink that reads "MB Pearson".

Martin B Pearson
Station Director