

Sizewell A and B Stakeholder Group Actions November 2014

Dry Fuel Store Actions:

Action 2222: Mr Benn agreed to update the group on how the contingency route from the Cemex plant to SZB was decided upon.

Answer: Contingency route from CEMEX plant not being used as stated at last SSG meeting in September.

Action 2363: EDF to provide hard copy of conditions for construction of Sizewell B

Answer: See Attachment No. 1 Sizewell B Planning consent and Attachment No. 2 Sizewell B Consent Plan

Action 2335: To ascertain the planned date for the staged safety case submission to the ONR for full operation

Answer: Planned date is April 2017

Action: EDF Energy to provide a copy of the documentation regarding the decision to have a DFS, including the consultation undertaken.

Answer: See Attachment No.3 which encompasses the various stages EDF Energy went through i.e. solutions/consultation/outcomes and planning. These were documents used in the Best Practical Environmental Option and Planning process in consultation with the public.

You can also find this information on the Suffolk Coastal District Council website at:

<http://www.suffolkcoastal.gov.uk/yourdistrict/planning/devcontrol/applications/sizewelldfs/#plans>

Action: MC to ascertain and advise cost per unit of casks, HI-TRAC containers and transporters.

Answer: This information is commercially sensitive.

Action: NC to check and confirm whether SCDC have staged requirements for the DFS construction that must be met before construction is allowed to proceed.

Answer: Buildings on nuclear sites are exempt from building regulation approval unless the buildings are to be used for offices or canteen facilities. The Dry Fuel Store is therefore exempt.

We have produced safety case paperwork (called Engineering Change (EC's)) to justify the safety requirements of the building. These have been subject to assessment by internal and external regulators (INA and ONR). Both of these have staged hold points in the process that have to be cleared as the development progresses.

Action: NC to provide information to the SSG about the Suffolk Foundation funding.

Answer: The Suffolk Foundation is the local charity who operate and manage the Greater Gabbard Offshore Winds Limited (“GGOWL”) fund. The areas of benefit for the fund are the parish of Sizewell and the town of Leiston.

The Suffolk Foundation manages and administers the fund. They deal with assessment of applications and dealing with enquiries for awards from the fund.

<http://suffolkcf.org.uk/>

Action: MC to ascertain and advise the carbon footprint for the DFS process.

Answer: Lifecycle Analysis (LCA) of the SZB Dry Fuel Store has not been assessed. Under planning condition there is no requirement to conduct an assessment.

The Sizewell Environmental Product Declaration updated document that was published in 2012 included the lifecycle impact of SZB dry fuel - per data at that time - but it does not look at the LCA of that project in isolation. (See Attachment No. 4)

Emergency Planning Actions:

Action 2108a: Item 3 Risks, Q6 - MC to provide written answer to question regarding how free hydrogen would be prevented from exploding during an accident.

Answer: Whilst the design of Sizewell B makes such an event very unlikely, the designers considered the possibility of Hydrogen being produced and adapted the plant design to ensure that the risk of Hydrogen explosion is extremely low. For example, the Containment Building is very large and contains few internal dividing walls. Most of the floors are open gratings. Simple design features such as these give excellent mixing of air inside the building through natural convection; and this would be boosted by Mixing Fans if electrical supplies were available. Any Hydrogen that was produced within the building could be removed by installed electrical Hydrogen Recombiners. Consequently, even if a significant fraction of the fuel were to be damaged, it would not be possible for Hydrogen levels within the building to reach an explosive concentration within such a large volume of air.

One of the lessons from Fukushima was to 'expect the unexpected'. We also recognise that engineering options change, and in some cases improve, as time moves on. One of the changes since Sizewell B was built has been the improvements in the design of Hydrogen Recombiners that do not require electrical supplies - Passive Auto-Catalytic Recombiners (PARs). So, to ensure Sizewell 'B's resilience to Hydrogen within the Containment Building, even for the most extreme (and hence most unlikely) events, the station has decided to fit PARs units in the Containment. These are being installed during the current Refuelling Outage.

Action 2018d: Item 6 Emergency Plan para 6.3, SA to provide copies of the PHE National leaflets to the SSG

Action 2108e: Item 6 Emergency Plan para 6.3, SSG to be involved in drafting communication letters.

Answer: The two operators, EDF Energy and Magnox, have produced a draft set of Operators' Prior Public Information. A period of consultation with the Emergency Planning Consultative Committee is just closing. Confirmation of several outstanding points will be made at the EPCC in November.

Once this is complete, a further draft of the Operators' Prior Public Information will be completed and sent to the SSG for consultation during November.

The Operators' Prior Public Information is made up of the letters, leaflets and (for those within 1km of the site) the calendar. Hence the leaflets will be sent with the letters and calendar text to allow all to be read in context.

Other actions:

Action 2149: Chair asked for all events reported to the ONR in 2012 to 2013 inclusive be clarified in writing and circulated to members.

Answer: EDF Energy, Sizewell B reports to the regulator on a regular base as required and this information can be found on the ONR website.

Action 2380: To provide a list of the volume and nature of the gaseous and liquid discharges during the forthcoming outage.

Answer: EDF Energy, Sizewell B power station will provide the same information for Refuelling Outage 13 as they did for Refuelling Outage 12, once the outage is complete.

Action 2385: To check information given to outage workers regarding accommodation.

Answer: Our contracting partners provide lists of available accommodation to their workforce in advance of refuelling outages, with details of rooms, hotels, guest houses and agencies - so individuals can book themselves.

Our contracting partner's administrators have built up relationships over the years with local accommodation owners and are regularly contacted to add new properties to the list.

Accommodation for our overseas workforce is booked in advance using letting agents.