

Newman, Stephanie

From: Newman, Stephanie
Sent: 25 June 2020 09:46
To: Newman, Stephanie
Subject: FW: : EN010114

From: Bob Haynes <keadbywithalthorpeparishcouncil@yahoo.com>
Sent: 18 June 2020 17:48
To: Newman, Stephanie <STEPHANIE.NEWMAN@planninginspectorate.gov.uk>
Cc: cllr.johnbriggs@northlincs.gov.uk
Subject: Re: : EN010114

Hi Stephanie

Thank you for the opportunity to set out some concerns for the Parish Council's response to the Inspectorate's request for scoping comments relating to The Keadby 3 Power Station.

We would like the scoping document to include the following:

1. The effects of running multiple power stations together. SSE literature says that Keadby 1 is contracted to provide capacity to the grid until September 2022 and will have opportunities to secure further agreements in future auctions. This raises concerns with the PC that Keadby 1,2 and 3 could all be supplying capacity to the grid at the same time.
2. Keadby 3 has the potential to run either as a conventional gas fired power station or be fired by hydrogen. We think that the technology for 100% hydrogen-firing is only currently available in commercial configuration up to 50Mw in a single unit. SSE have said in their document that Keadby 3 will be 910Mw. We do not know what the hydrogen percentage is intended to be used, if SSE adopt this option. We are concerned about how hydrogen will be delivered and stored in the site prior to use.
3. Currently, Keadby 1 uses abstracted water from local waterways. Keadby 2 has applied for planning permission to abstract cooling water from the local canal and Keadby 3 documents suggest they too will need to abstract cooling water from local water courses. The Isle of Axholme is wholly reliant on good water management to prevent flooding on the Isle and regulates the water levels within drains,rivers and canals to minimise the risk of flooding. During potential flooding periods, the water level is lowered so as to allow for increased levels of water on the Isle. Requests for abstraction of water could cause the levels of water to be held artificially high to allow abstraction rights and therefore make flood management and preparation on the Isle more difficult. The villages along this stretch of the River Trent have experienced over-topping of the banking, with residents and

businesses suffering flood damage. How will abstraction generally affect wildlife and water quality of water being returned to water courses?

4. We are concerned about flue emissions to atmosphere when normal gas firing but especially if the Carbon Capture Plant (CCP) is running. We understand that Amine could be released. We do not know the amount of this carcinogen which will be released and what level of potential harm there is to local residents and workers in local businesses and industries. This is a significant health risk.
5. The Parish Council is concerned that there is currently no Carbon Capture and Storage facilities in this part of Lincolnshire or Humberside that the Carbon Capture plan can be connected to. The Humber Cluster has only recently formed and a feasibility study is just starting, with no transmission routes or future carbon repositories agreed, let alone the planning and infrastructure, to bring this concept to fruition. Our fear is that Keadby 3 could be up and running before the Carbon Capture Plant can run and export carbon offsite. What will this mean in terms of emissions from any power plants at Keadby? Councillors would seek confirmation that the Humber Low Carbon Cluster & Network would be in operation prior to the commissioning of Keadby 3.
6. We are concerned because we do not know the inventories of chemical substances that will be stored and used on Keadby 3 either on the CCGT power plant or the CCP. We are not sure if the CCP will be an MEA process but clearly Amine will be used as part of the conversion process. How will this be transported to site? What would be the effect of an accident resulting in a spillage in terms of ground, water or air pollution and contamination of any aquifers. Councillors also seek clarity about the transportation of chemicals and substances through the villages. What Risk Assessments have been carried out in this regard?
7. The visual aspect is another concern. The proposed stack could be anything up to 90m tall. This is significantly higher than any other structure on Keadby 1 and 2. The community is already having to contend with the aspect afforded by the Keadby Windfarm Project, as well as Keadby 1. This will be even greater when Keadby 2 is built and SSE is not able at this stage to tell us what the visual effect of Keadby 3 will be because they have yet to decide how this plant will be configured eg., Gas vs Hydrogen CCGT and/or CCP.
8. What pollutants will be emitted from the stack or flues eg., Nitrogen Oxide, Carbon Monoxide, Carbon Dioxide, Amine etc? What will be the effects on those living close to the plant and in the wider communities? What will the plume dispersion characteristics of these stacks be?
9. We are also concerned about the socio-economic effect on local communities. Local villages have spent considerable time and effort making homes and leisure and green spaces so as to afford them a better standard than that afforded by a more industrial past. The further development of the SSE site will make it far more difficult to attract new families and businesses to the area, with the effect of damping down economic growth and, at the same time, depressing the value of local housing and businesses. How will SSE mitigate the socio-economic effects of this huge expansion of the Keadby site and the associated health risks?

Regards,

Bob Haynes

Clerk: Keadby with Althorpe Parish Council

18 Woodgarr Avenue Keadby DN17 3BZ 07500 702506



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