

Sir,

I am very concerned, as a long time resident of Ynys Mon, regarding the possible construction of a second nuclear plant on the island.

It would appear from KiKK report (Ref: www.ehjournal.net), initiated and accepted by the German government that there is a 37% increase in leukaemias in children under 5 years old within 5 km of German nuclear plants. There is also an increase of 28% in solid cancers. Similar conclusions have also been drawn by subsequent studies in France and Switzerland. It is worth noting that the KiKK report was published before the Fukushima disaster and could well be a factor in Germany's decision to close all its reactors by 2022. These are very good reasons not to justify the Hitachi ABWR.

None of the 4 ABWRs in Japan are currently operational. When they were in service, their performance was not impressive. Between 2006 and 2010, the 4 ABWRs managed a load factor of under 45%. This presumably was due to technical difficulties and unplanned stoppages. I understand that these reactors are priced on a 80-90% load factor so the ABWR has obviously performed very poorly in Japan and is therefore turning out to be a highly expensive investment with poor returns. Curiously, the Nuclear Industry Association have so far not mentioned the problems with the Japanese ABWR.

Hitachi will no doubt be looking for a generous return, guaranteed over 35 years as is the case with EDF's agreement with DECC for Hinkley C.

We as consumers therefore will need to pay inflated electricity bills to pay for this strike price. There is also the concern that the government's Levy Framework Control will divert money away from renewable energy technologies towards the nuclear industry .

There are other distinct and unique problems with building the ABWRs at

Wylfa. Of all the nuclear sites in Britain, Wylfa is unique in being situated on an island off the mainland.

In the event of a serious accident at Wylfa and a release of radiation into the atmosphere, how would the island's population be evacuated over two bridges which are already congested daily at rush hours, and even more regularly during the summer months with increased traffic levels? These bridges would no doubt be closed to "ordinary traffic" so that the emergency services would have clear access onto the island. Despite requesting information on how any any emergency evacuation would be carried out I have as yet to receive a reply.

.Ynys Môn is the second largest Welsh speaking county in Wales with 58% of the island's population speaking the language. The influx of 6000 construction workers for building Wylfa B is bound to dilute the percentage of Welsh speakers in the island's communities.

Hitachi/Horizon have already publicly admitted that at least 75% of the building workforce would come from outside the local area, i.e. the hole of North Wales to Cheshire and Merseyside.

As an area of outstanding natural beauty whose economy relies heavily on the tourist industry it just does not make sense to site a nuclear power station on the island!

Yours

Dr K J Powell