

[REDACTED]
Head of Radiation Assessments Department
Public Health England
Radiation Protection Division

Our ref: EA\SZC\RSR\O\010

Your ref:

Date: 10th September 2020

Dear [REDACTED]

Request for advice from PHE on matter raised in consultation response on an environmental permit application

We wrote to you on 13th July 2020 to inform you that we had received, and are consulting on, an application from NNB Generation Company (SZC) Limited for a permit to dispose of radioactive waste from a proposed new nuclear power station at Sizewell C in Suffolk. The consultation can be found via <https://consult.environment-agency.gov.uk/psc/sizewell-c-environmental-permits-information-page/> and closes on 2nd October 2020.

One of the respondents to this consultation has raised matters relating to the impacts of radiation on health. These are:

- A report that the respondent says provides evidence of greater potential health impacts from radiation than predicted from currently accepted dose/risk models. This report is available here: <http://www.llrc.org/children.htm>.
- A communication recently submitted to the journal "Health Physics" by Dr Christopher Busby as included in this email. The respondent asks whether there is a need to appraise the dose from uranium234 to the Life-Span Study population and whether PHE will consider the impact of that information on the reliability of ICRP risk factors.

Please would PHE review this information which falls within your area of expertise and responsibility and provide us with your views and advice on any implications for our assessments. This includes advice on whether we should adjust our radiological dose assessment methodology, which is currently based on the recommendations of the International Commission on Radiological Protection and implemented through the EU Basic Safety Standards Directive regarding the impact on people of discharges of radioactive material.

Please contact me if you have any questions via [REDACTED] or via telephone on [REDACTED]

Yours faithfully

[REDACTED]
Sizewell C RSA permitting lead
Nuclear Regulation Group (South)
Environment Agency