

Mr D Norfolk
NNB Generation Company Limited
The Qube
90 Whitfield Street
London
W1T 4EZ

Our ref: EPR/ZP3690SY/SCH5/1
Your ref: N/a

Date: 21 October 2011

Dear Mr Norfolk

Request for further information to support your application

Application reference: EPR/ZP3690SY/A001
Operator: NNB Generation Company Limited
Facility: Hinkley Point C Power Station

I enclose a notice that asks you to send us more information to support your application for an environmental permit. We need this information so that we may continue to process your application. The notice specifies what you need to send and when you must send it by.

If we do not receive it by the date set out in the notice then we may treat your application as having been withdrawn.

If you have any concerns about being able to provide this information on time please let me know.

If you have any questions about this notice please phone Granville Roberts on 01278 484667 or email granville.roberts@environment-agency.gov.uk.

Yours sincerely

Carol Fields
Permit Support Advisor

Permitting Support Centre, P.O. Box 4404, Sheffield, S9 4WF
Customer services line: 03708 506 506
Email: nnb@environment-agency.gov.uk
www.environment-agency.gov.uk

Notice requiring further information

To: Mr D Norfolk
NNB Generation Company Limited,
The Qube
90 Whitfield Street
London
W1T 4EZ

Application number: *EPR/ZP3690S/A001*

The Environment Agency, in exercise of its powers under paragraph 4 of Part 1 of Schedule 5 of the above Regulations, requires you to provide the information detailed in the attached schedule. The information is required in order to determine your application for a permit, dated 29 July 2011. The information requested in items 1 and 2 should be sent by 4 November 2011 and the information for item 3 should be sent by the 18 November 2011.

All information should be sent to:

PSC, PO Box 4404, Sheffield, S9 4WF

Name	Date
<i>Granville Roberts</i>	21/10/ 2011

Authorised on behalf of the Environment Agency

Schedule

1. Information required to help us assess the dose assessments in the application:
 - a. The variable surface roughness file used in the modelling as represented in figure A on page 86 of Chapter 12 of the RSR submission.
 - b. The version(s) of Atmospheric Dispersion Modelling System used in the various assessments.
 - c. For the cumulative dose due to gaseous discharges:
 - i. a breakdown of the contributions of HPA and HPB to the cumulative dose,

- ii. description of the methodology used (if different from PC CREAM), and
 - iii. details of habits data used (if different to those used for HPC).
 - d. For the external dose to houseboat dwellers – provide the input data and assumptions used:
 - i. The boat location,
 - ii. further information on the depths of water assumed and the occupancy at the various tidal depth that were modeled
 - iii. the air gap assumed,
 - iv. the geometry of exposure,
 - v. attenuation factor for hull of boat, and
 - vi. any other relevant assumption.
 - e. For the dose from direct radiation to a walker – explain the distance applied (40m) in the calculation
 - f. For Habitat 4,
 - i. the volume and surface area of the pond,
 - ii. explain why the air concentrations on page 21 of chapter 13 and page 31 of chapter 12 are different when they appear to be for the same location.
2. Other issues requiring clarification:
- a. In sub-chapter 0.1 page 1 the operator is referred to as Nuclear New Build Generation Company Limited, confirm that the company name is NNB Generation Company Limited.
 - b. In sub-chapter 2.4 section 5.2 the attenuation pond is described as discharging via the forebay whilst in figure 10 on the next page it is discharging via the Outfall Pond?
 - c. In sub-chapter 7.6 page 59 the paragraph starting “Cycle operations stop..... “ is not clear. Clarify if the reactor is shutdown and the failed fuel is removed from the reactor for storage in the spent fuel pool? It is also not clear what happens to failed fuel in the spent fuel pool, (both for fuel known to be leaking when it is removed from the reactor and fuel found to be leaking during storage) as the section only deals with what happens to failed fuel in the Interim Storage Facility for Spent Fuel which is later in the lifecycle of the fuel.
3. The Pre-construction Environment Report (PCER) referenced in the application is dated March 2010. We note the version currently being assessed in Generic Design Assessment (GDA) and available on EDF and AREVA's UK EPR website is a later version (dated March 2011). The March 2011 document will be the version against which the Environment Agency may issue an interim Statement of Design Acceptability (iSoDA). Please provide a summary of the changes to the March 2011 document from the March 2010 version, and say how these impact on the information you have provided in your application.

End of schedule