

Nuclear Safety Directorate  
HM Nuclear Installations Inspectorate

[REDACTED]  
[REDACTED]  
Hinkley Point B Power Station  
British Energy Generation Ltd  
Near Bridgewater  
Somerset  
TA5 1UD

[REDACTED]  
[REDACTED]  
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<http://www.hse.gov.uk/>

Date: 13<sup>th</sup> August 2009

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4.7.2610.

UN: HPB71668R

For the attention of [REDACTED]

Dear [REDACTED]

**HINKLEY POINT B  
EVENT ON 16<sup>TH</sup> JULY 2009 INVOLVING THE CONTAMINATION OF A WORKING PARTY  
WITHIN THE GAS BYPASS PLANT**

NII is currently undertaking an investigation of the event that occurred at Hinkley Point B on 16<sup>th</sup> July 2009, which involved the release of radioactive material within the gas bypass plant and the contamination of a working party. In order to progress our investigation, we require a response to the following matters:

- a. NII has been supplied with information concerning the assessment of internal dose and skin dose arising from exposure to the radioactive material released during the event. We also require details of the dose recorded on EPDs during the event for each of the eight affected individuals.
- b. In addition to the actual exposure, we also require a realistic estimate of the potential worst case exposure to a hypothetical individual. Please provide this estimate and any supporting assumptions. This information is required to enable NII to make a judgement concerning the appropriate regulatory action. You are advised that NII will make an informed judgement in the absence of a satisfactory response to this request.
- c. NII has been provided with an estimate of the average contamination detected on micro-fibre wipes during the preliminary survey of the gas bypass plant. Please provide information concerning the maximum contamination detected.
- d. Please provide a radiological and chemical analysis of the material that was

ejected from the gas bypass circuit during the event.

- e. RWP 3446 specifies that power hoods were to be used for the work undertaken. Please provide details of the protection factor that you have assumed for this PPE.
- f. Please provide details of your arrangements for complying with Regulation 7 of the Ionising Radiations Regulations 1999 and copies of relevant company procedures.
- g. Please provide details of the steps taken to date at Hinkley Point B to prevent a repeat of this event. Will you also provide details of how British Energy is addressing the generic implications of this event with respect to the controls necessary for open hole working.
- h. Please provide a copy of the final SACI report in due course.

May I have a response to the matters raised in this letter by 27<sup>th</sup> August 2009.

A copy of this letter is being sent to [REDACTED] the [REDACTED] and [REDACTED] in [REDACTED] role as [REDACTED].

Yours sincerely

[REDACTED]

External Distribution:

[REDACTED], Hinkley Point B  
[REDACTED], Hinkley Point B  
[REDACTED], Hinkley Point B  
[REDACTED], SRD Barnwood

Internal Distribution:

[REDACTED]