

## **KHNPDCRAIsPEm Resource**

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**From:** Ciocco, Jeff  
**Sent:** Thursday, October 08, 2015 1:42 PM  
**To:** apr1400rai@khnp.co.kr; KHNPDCRAIsPEm Resource; Harry (Hyun Seung) Chang; Andy Jiyong Oh; Christopher Tyree  
**Cc:** Williams, Stephen; McCoppin, Michael; Olson, Bruce; Lee, Samuel  
**Subject:** APR1400 Design Certification Application RAI 238-8145 (11.01 - Source Terms)  
**Attachments:** APR1400 DC RAI 238 RPAC 8145.pdf

KHNP,

The attachment contains the subject request for additional information (RAI). This RAI was sent to you in draft form. Your licensing review schedule assumes technically correct and complete responses within 30 days of receipt of RAIs.

Please submit your RAI response to the NRC Document Control Desk.

Thank you,

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New Nuclear Reactor Licensing  
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**Hearing Identifier:** KHNP\_APR1400\_DCD\_RAI\_Public  
**Email Number:** 286

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**Subject:** APR1400 Design Certification Application RAI 238-8145 (11.01 - Source Terms)  
**Sent Date:** 10/8/2015 1:41:40 PM  
**Received Date:** 10/8/2015 1:41:41 PM  
**From:** Ciocco, Jeff

**Created By:** Jeff.Ciocco@nrc.gov

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MESSAGE	498	10/8/2015 1:41:41 PM
APR1400 DC RAI 238 RPAC 8145.pdf		94711
image001.jpg	5040	

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

## REQUEST FOR ADDITIONAL INFORMATION 238-8145

Issue Date: 10/08/2015  
Application Title: APR1400 Design Certification Review – 52-046  
Operating Company: Korea Hydro & Nuclear Power Co. Ltd.  
Docket No. 52-046  
Review Section: 11.01 - Source Terms  
Application Section: 11.1 SRP 11.1,

### QUESTIONS

11.01-4

Staff requests clarification regarding information outside the normal operating source term provided in DCD Section 11.1. SRP Section 11.1 only instructs the review of the normal operation source term including anticipated operational occurrences. There is information contained in DCD Section 11.1 that describes the source terms for other sections in the DCD that are not referenced within DCD Section 11.1.

Please clarify the DCD text to direct staff on the use of equations and tables in the DCD. These clarifications should direct the staff to other DCD sections in which the referenced source terms are used, and provide direct footnotes in the tables located in DCD Section 11.1. The DCD text of 11.1 should also discuss the use of the tables provided in DCD section 11.1

Please address the items above and provide a mark-up on the proposed DCD changes.



**U.S.NRC**

United States Nuclear Regulatory Commission

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