

## KHNPDCDRAIsPEm Resource

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**Sent:** Monday, April 13, 2015 1:37 PM  
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**Cc:** Karas, Rebecca; Rodriguez, Ricardo; Lee, Samuel; Devlin-Gill, Stephanie; Ward, William  
**Subject:** APR1400 Design Certification Application RAI 4-7830 (3.7.4)  
**Attachments:** APR1400 DC RAI 4 RGS2 7830.pdf; image001.jpg

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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**Hearing Identifier:** KHNP\_APR1400\_DCD\_RAI\_Public  
**Email Number:** 6

**Mail Envelope Properties** (320204600EA7B9408FE833FF15E4FF7D024FD431A3DF)

**Subject:** APR1400 Design Certification Application RAI 4-7830 (3.7.4)  
**Sent Date:** 4/13/2015 1:37:04 PM  
**Received Date:** 4/13/2015 1:37:06 PM  
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MESSAGE	524	4/13/2015 1:37:06 PM
APR1400 DC RAI 4 RGS2 7830.pdf		111239
image001.jpg	4840	

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## REQUEST FOR ADDITIONAL INFORMATION 4-7830

Issue Date: 04/13/2015

Application Title: APR1400 Design Certification Review – 52-046

Operating Company: Korea Hydro & Nuclear Power Co. Ltd.

Docket No. 52-046

Review Section: 03.07.04 - Seismic Instrumentation

Application Section:

### QUESTIONS

#### 03.07.04-1

The licensee's APR1400 DC Subsection 3.7.4.4 describes comparison of the DC to RG 1.166, but the DC does not describe its criterion for determining exceedance of the OBE or its procedures to determine CAV limit exceedance, as delineated in RG 1.166.

In accordance with 10 CFR Part 20 and Appendix S to 10 CFR Part 50, regarding APR1400 DCD Subsection 3.7.4.4, please discuss reference to guidance associated with the following and propose associated APR1400 DCD modifications:

- 1) Criterion for determining exceedance of the OBE, and
- 2) Procedures to determine CAV limit exceedance.

#### 03.07.04-2

Subsection 3.7.4.6 details information needed in a COL application referencing the APR1400 DCD, but in those sections there is no reference to the appropriate NRC Regulatory Guides that explain in detail the contents of a COL application and the restart of a nuclear power plant shut down by a seismic event.

In accordance with 10 CFR Part 20 and Appendix S to 10 CFR Part 50, regarding APR1400 DCD Subsection 3.7.4.6, please discuss reference to guidance associated with the restart of a nuclear power plant shut down by a seismic event and propose associated APR1400 DCD modifications.

