

## KHNPDCDRAIsPEm Resource

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**Sent:** Monday, April 13, 2015 1:29 PM  
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**Cc:** Karas, Rebecca; Rodriguez, Ricardo; Lee, Samuel; Devlin-Gill, Stephanie  
**Subject:** APR1400 Design Certification Application RAI 3-7829 (2.5.3)  
**Attachments:** APR1400 DC RAI 3 RGS2 7829.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  
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APR1400 DC RAI 3 RGS2 7829.pdf		111257
image001.jpg	4840	

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## REQUEST FOR ADDITIONAL INFORMATION 3-7829

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: 02.05.03 - Surface Faulting

Application Section:

### QUESTIONS

#### 02.05.03-1

In Section 2.5.3, the APR1400 discusses surface faulting, or tectonic surface deformation, but it does not discuss the potential and effects of non-tectonic surface deformation, consistent with RG 1.208.

Additionally, Subsection 2.5.3 details information needed in a COL application referencing the APR1400 DCD, but does not reference to the appropriate NRC Regulatory Guides that explain in detail the contents of a COL application and geological investigations.

In accordance with 10 CFR 100.23(d), regarding APR1400 DCD Section 2.5.3, please discuss the following and propose associated APR1400 DCD modifications to text and tables:

- 1) Whether the APR1400 DCD is designed for a site where there is the potential for non-tectonic surface deformation,
- 2) Whether the design limits regarding tectonic and non-tectonic surface deformation should be tracked as a COL Information Item, and
- 3) Clarify which NRC Regulatory Guides are applicable to Section 2.5.3.

