

## **KHNPDCDRAIsPEm Resource**

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**Sent:** Monday, November 02, 2015 2:56 PM  
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**Subject:** APR1400 Design Certification Application RAI 286-8340 (6.2.1.1.A - PWR Dry Containments...)  
**Attachments:** APR1400 DC RAI 286 SCVB 8340.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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**Sent Date:** 11/2/2015 2:56:07 PM  
**Received Date:** 11/2/2015 2:56:08 PM  
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## REQUEST FOR ADDITIONAL INFORMATION 286-8340

Issue Date: 11/02/2015

Application Title: APR1400 Design Certification Review – 52-046

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

Docket No. 52-046

Review Section: 06.02.01.01.A - PWR Dry Containments, Including Subatmospheric Containments

Application Section: 6.2.1.1 Containment Structure

### QUESTIONS

#### **06.02.01.01.A-1**

10 CFR 52.47(b)(1) states, in part, that a design certification (DC) application must contain the necessary inspections, tests, analysis and acceptance criteria (ITAAC) to provide reasonable assurance that a facility incorporating a DC is constructed in accordance with the certified design.

DCD Tier 1, Table 2.11.1-2, "Containment Structure ITAAC," includes an ITAAC for performing a containment peak pressure analysis with acceptance criteria that includes design margin. However, Table 2.11.1-2 does not demonstrate the as-built design conforms to the analysis described in DCD Tier 2, Section 6.2 and does not provide reasonable assurance that the key assumptions made in the containment pressure analyses, such as the area of the containment heat sinks, are valid. Therefore, the applicant is requested to add an ITAAC to Table 2.11.1-2 to verify the heat sink areas and compositions meet or exceed the assumptions used in DCD Tier 2, Table 6.2.1-23.