

## **KHNPDCDRAIsPEm Resource**

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**From:** Ciocco, Jeff  
**Sent:** Tuesday, April 05, 2016 1:07 PM  
**To:** apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Junggho Kim (jhokim082@gmail.com); Andy Jiyong Oh; Steven Mannon  
**Cc:** Ray, Sheila; Zimmerman, Jacob; Wunder, George; Vera, John; Williams, Donna  
**Subject:** APR1400 Design Certification Application RAI 455-8553 (14.03.06 - Electrical Systems - Inspections, Tests, Analyses, and Acceptance Criteria)  
**Attachments:** APR1400 DC RAI 455 EEB 8553.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. However, KHNP requests, and we grant, 45 days to respond to this RAI. We may adjust the schedule accordingly.

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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**Received Date:** 4/5/2016 1:07:26 PM  
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image001.jpg	5040	

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## REQUEST FOR ADDITIONAL INFORMATION 455-8553

Issue Date: 04/05/2016

Application Title: APR1400 Design Certification Review – 52-046

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

Docket No. 52-046

Review Section: 14.03.06 - Electrical Systems - Inspections, Tests, Analyses, and Acceptance Criteria

Application Section:

### QUESTIONS

14.03.06-9

In its response to RAI 8284, Question 14.03.06-4, the applicant stated that an ITAAC to verify that the capacities of the Class 1E batteries can carry the worst case load profiles is currently addressed in the Design Commitment and ITAAC for Item 6 of DCD Tier 1, Table 2.6.3-3. This ITAAC verifies that each Class 1E battery is sized to supply its DBE loads, at the end of installed life, for pertinent required hours, without recharging. Please confirm that the worst case load profile for the Class 1E batteries is the DBE load profile, considering that the SBO load profile for the Class 1E batteries could be a longer duration.



**U.S.NRC**

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