

## KHNPDCDRAIsPEm Resource

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**From:** Ciocco, Jeff  
**Sent:** Wednesday, July 22, 2015 3:35 PM  
**To:** apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Harry (Hyun Seung) Chang; Yunho Kim; Steven Mannon  
**Cc:** Ray, Sheila; Betancourt, Luis; Lee, Samuel; Umana, Jessica; Lee, Samuel; Wunder, George  
**Subject:** APR1400 Design Certification Application RAI 104-7961 (08.02 - Offsite Power System)  
**Attachments:** APR1400 DC RAI 104 EEB 7961.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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## REQUEST FOR ADDITIONAL INFORMATION 104-7961

Issue Date: 07/22/2015

Application Title: APR1400 Design Certification Review – 52-046

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

Docket No. 52-046

Review Section: 08.02 - Offsite Power System

Application Section:

### QUESTIONS

08.02-4

The Maintenance Rule, 10 CFR 50.65(a)(4), is applicable to all electrical maintenance activities (offsite, onsite, and SBO equipment, and specifies that COL applicants assess and manage the increase in risk that may result from proposed maintenance activities before performing maintenance activities in general, and this includes the offsite power transmission lines. For instance, grid stability and offsite power availability are examples of emergent conditions that may result in the need for assessment or that could change the conditions of a previously performed assessment. Accordingly, COL applicants should perform grid reliability evaluations as part of the maintenance risk assessment before performing “grid-risk-sensitive” maintenance activities (such as surveillances, post-maintenance testing, and preventive and corrective maintenance).

SRP 8.2 states that compliance with 10 CFR 50.65(a)(4) includes that applicants assess and manage the increase in risk that may result from proposed maintenance activities before performing the maintenance activities.

Provide a discussion on how APR1400 meets the requirements of 10 CFR 50.65(a)(4), pertaining to the offsite power transmission lines.

