

KHNPDCDRAIsPEm Resource

From: Ciocco, Jeff
Sent: Wednesday, February 17, 2016 10:49 AM
To: apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Joongho Kim (jhokim082@gmail.com); Andy Jiyong Oh; Steven Mannon
Cc: Ray, Sheila; Zimmerman, Jacob; Wunder, George; Lee, Samuel
Subject: APR1400 Design Certification Application RAI 408-8522 (08.02 - Offsite Power System)
Attachments: APR1400 DC RAI 408 EEB 8522.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,

Jeff Ciocco
New Nuclear Reactor Licensing
301.415.6391
jeff.ciocco@nrc.gov



Hearing Identifier: KHNP_APR1400_DCD_RAI_Public
Email Number: 459

Mail Envelope Properties (80284aaeea3f496c962df473cf937c9f)

Subject: APR1400 Design Certification Application RAI 408-8522 (08.02 - Offsite Power System)
Sent Date: 2/17/2016 10:49:23 AM
Received Date: 2/17/2016 10:49:25 AM
From: Ciocco, Jeff
Created By: Jeff.Ciocco@nrc.gov

Recipients:

"Ray, Sheila" <Sheila.Ray@nrc.gov>
Tracking Status: None
"Zimmerman, Jacob" <Jacob.Zimmerman@nrc.gov>
Tracking Status: None
"Wunder, George" <George.Wunder@nrc.gov>
Tracking Status: None
"Lee, Samuel" <Samuel.Lee@nrc.gov>
Tracking Status: None
"apr1400rai@khnp.co.kr" <apr1400rai@khnp.co.kr>
Tracking Status: None
"KHNPDCDRAIsPEm Resource" <KHNPDCDRAIsPEm.Resource@nrc.gov>
Tracking Status: None
"Joongho Kim (jhokim082@gmail.com)" <jhokim082@gmail.com>
Tracking Status: None
"Andy Jiyong Oh" <jiyong.oh5@gmail.com>
Tracking Status: None
"Steven Mannon" <steven.mannon@aecom.com>
Tracking Status: None

Post Office: HQPWMSMRS07.nrc.gov

Files	Size	Date & Time
MESSAGE	608	2/17/2016 10:49:25 AM
APR1400 DC RAI 408 EEB 8522.pdf		86152
image001.jpg	5040	

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

REQUEST FOR ADDITIONAL INFORMATION 408-8522

Issue Date: 02/17/2016
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

08.02-10

By letter dated August 3, 2015, the applicant provided a response to RAI 7936, Question 08.02-2. In the response, the applicant discussed the generator circuit breaker (GCB).

Part 4 of RAI 7936, Question 08.02-2 discusses maintenance strategies for the specific type of breaker and the applicant provided general inspection and maintenance tests for a air-blast GCB. By letter dated January 15, 2016, the applicant provided a response to RAI 8104, Question 08.03-01-13, in which the onsite power system analysis technical report ARP1400-E-E-NR-14001-P (Rev. 1) provides a continuous current rating of 43 kiloamps for the main isophase bus. Considering the continuous current rating for the main isophase bus, please specify whether an air-blast or SF₆ GCB will be used. Please revise the RAI response to RAI 7936, if needed, specifically the discussions on the breaker cooling system and maintenance strategies, based on the selection of the type of GCB used.



U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment