

May 25, 2016

MEMORANDUM TO: Donna Williams, Acting Chief
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

FROM: George Wunder, Senior Project Manager **/RAI/**
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

John Vera, Project Manager **/RAI/**
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF THE APRIL 14, 2016, PUBLIC TELECONFERENCE
MEETING WITH KOREA HYDRO AND NUCLEAR POWER CO. LTD. TO
DISCUSS TOPICS RELATED TO THE ADVANCED POWER REACTOR
1400 DESIGN CERTIFICATION DOCUMENT

On April 14, 2016, a Category 1 public teleconference was held between the U.S. Nuclear Regulatory Commission (NRC) staff and Korea Hydro and Nuclear Power Co. Ltd. (KHNP). The meeting notice was issued and documented in the NRC Agencywide Documents Access and Management System (ADAMS) under Accession Number ML16091A216.

The purpose of the meeting was to discuss the schedule for and content of responses to staff requests for additional information (RAIs) for items in Chapters 3 and 9 of the Advanced Power Reactor (APR1400) design certification document. A list of attendees is included as an enclosure.

The staff and the applicant first discussed the applicant's response to Chapter 9, RAI 8050 (ML15300A461). The applicant and the staff agreed that the requested information should be reviewed during the design certification phase and not deferred to the combined license phase. The applicant agreed to respond to the RAI as written.

Next, the staff and the applicant discussed the applicant's response to RAI 8078 (ML16032A599). KHNP's response to Question 03.09.02-9, stated that the pump induced periodic loads for the CSB and the flow skirt are determined using the program DPVIB. The NRC staff stated that Section 3.9.1 of the design control document should include a description of the DPVIB program. In addition, the NRC staff identified a need to audit the verification and validation of this program. KHNP's response to Question 03.09.02-10, discussed the development of the hydraulic forcing function. The staff identified a need to audit the associated calculation and documentation for consideration of turbulent loads on reactor internal components, as this information was not immediately clear on the application.

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The staff also identified a need to audit the reference "Steam Generator Tube Vibration Tube Vibration Test, Y1201A-160TD-2001, Rev. 0, Doosan Heavy Industries and Construction (Proprietary)," in conjunction with the review of the supplemental response to Question 03.09.02-11 (ML16047A043). KHNP agreed to submit the information via the electronic reading room for the audit. The staff stated that they would work on developing the audit plan that will cover the above topics and the audit will be planned for the May, 2016, through June 2016, timeframe.

Docket No.: 52-046

Enclosure:
List of Attendees

cc w/enclosure: See next page

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Docket No.: 52-046

Enclosure:
List of Attendees

cc w/enclosure: See next page

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GWunder, NRO	JVera, NRO	DWilliams, NRO	

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***via email**

NRC-001

OFFICE	DNRL/LB2: PM	DNRL/LB2: PM	DNRL/LB2: LA	DNRL/LB2: PM
NAME	JVera	GWunder*	CSmith	JVera (signed)
DATE	05/04/2016	05/04/2016	05/25/2016	05/05/2016

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List of Attendees

APR1400 Public Teleconference with KHNP to Discuss RAI 8050 and RAI 8078 –
Held on April 14, 2016

<u>Name</u>	<u>Organization</u>
A. Dias	U.S. NRC
A. Stubbs	U.S. NRC
R. Nolan	U.S. NRC
J. Wu	U.S. NRC
T. Le	U.S. NRC
J. Vera	U.S. NRC
G. Wunder	U.S. NRC
C. Tyree	KHNP
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Enclosure

KHNP Mailing List

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