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May 23, 2016  
Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Attention: Mr. Jeff Ciocco  
Division of New Reactor Licensing

Docket No. 52-046  
MKD/NW-16-0533L

**Subject: KHNP Plan for Compliance with the Review Schedule of the APR1400 DC**

**Reference: Review Update of the Korea Hydro and Nuclear Power Co., LTD., and Korea Electric Power Corporation Application for Standard Design Certification of the Advanced Power Reactor 1400, dated March 7, 2016**

By letter dated March 7, 2016, the U.S. NRC expressed concern about the current status of the Phase 2 schedule, specifically in regards to the currently published deadline of Nov. 2016.

KHNP would like to assure the NRC that we understand and share your concern for a transparent and timely safety review and we are determined to meet the Nov. 2016 deadline. To ensure that we reach the Phase 2 milestone, KHNP has implemented the following plans in the four different areas of concern.

PRA is a challenging area. 129 RAI has been issued of which 53 have been responded to with the remainder to be addressed based on the response schedule agreed with staff. KHNP plans to update PRA and sensitivity check by June 30, 2016 and related DCD update and revision of RAP by July 20, 2016.

In regards to seismic and structural analysis, 86 RAI have been issued of which all but 10 have been addressed. These 10 RAI should be dealt by end of July 2016.

For the fuel assembly end-of-life seismic analysis, KHNP developed and discussed closure plan with staff. Based on the closure plan, EOL grid test and fuel assembly damping test will be done by June 2016 and Dec. 2016, respectively. Seismic analysis report will be submitted by July 2017.

For the radiation protection design, KHNP understand NRC staff's concerns about source term conservatism and delays in RAI response. KHNP will develop closure plan and propose meeting with staff to address staff's concerns in June 2016.

In addition to the issues raised by the NRC, in the March 7 letter, KHNP continues to work hard to resolve all NRC Requests for Additional Information and issues raised during the APR1400 Design Certification Application Review.

As always, KHNP will continue to work closely with NRC staff to ensure that the scheduled



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Phase 2 timeline is completed successfully and in a timely manner.  
Sincerely,

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Jae-yong Lee  
Project Manager  
Advanced Reactors Development Laboratory  
Korea Hydro and Nuclear Power Co., Ltd