

November 12, 2015

MEMORANDUM TO: Samuel Lee, Chief  
Licensing Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

FROM: Luis Betancourt, Project Manager **/RA/**  
Licensing Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: UNITED STATES NUCLEAR REGULATORY COMMISSION AUDIT  
REPORT TO REVIEW SELECTED DOCUMENTS RELATED TO THE  
KOREA HYDRO AND NUCLEAR POWER CO. LTD., ADVANCED  
POWER REACTOR 1400 CONTROL ELEMENT DRIVE MECHANISM  
AND REACTOR PRESSURE VESSEL INTERNALS

As part of its review of the design certification (DC) application for the Advanced Power Reactor 1400 (APR1400) submitted by Korea Electric Power Corporation (KEPCO) and Korea Hydro & Nuclear Power Co., Ltd. (KHNP); the U.S. Nuclear Regulatory Commission (NRC) staff performed an audit at the NRC Headquarters, Electronic Reading Room located in Rockville, Maryland, between June 29, 2015, and July 2, 2015. The purpose of the audit was to verify that the APR1400 dynamic testing of structures, systems and components, control element drive mechanisms, and reactor internals are designed in accordance with the methodology and criteria described in the APR1400 final safety analysis report.

The audit plan can be found in the Agencywide Document Access and Management System (ADAMS) under Accession Number ML15173A245 dated June 22, 2015. The results of the audit are documented in Enclosure 1 and can be found in ADAMS under Accession Number ML15300A149. Enclosure 2 is the Proprietary version and therefore, is not publicly available in ADAMS. The list of attendees is documented in Enclosure 3 and can be found in ADAMS under Accession Number ML15300A150. The list of documents available to the NRC staff is documented in Enclosure 4 and can be found in ADAMS under Accession Number ML15300A219.

Docket No: 52-046

Enclosures:  
As stated

cc w/enclosures 1,3, and 4: See next page

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