

April 21, 2016

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

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

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION STAFF'S REPORT  
FOR THE AUDIT PERFORMED FROM JANUARY 20 – 21, 2016,  
REGARDING CHAPTER 4, "REACTOR," OF THE ADVANCED  
POWER REACTOR 1400 DESIGN CONTROL DOCUMENT

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 during January 20, 2016, to January 21, 2016, at the Westinghouse Electric Co. facilities in Rockville, Maryland. The purpose of the follow-up audit was to gain an understanding of the APR1400 supporting calculations and analysis of the core design process to reach a reasonable assurance finding and review related documentation and non-docketed information to evaluate conformance with the Standard Review Plan and other related guidance.

The audit plan can be found in the Agencywide Document Access and Management System (ADAMS) under Accession Number ML16019A038 dated January 19, 2016. The results of the audit are documented in Enclosure 1 and can be found in ADAMS under Accession Number ML16061A027. The List of Attendees is documented in Enclosure 2 and can be found in ADAMS under Accession Number ML16061A033. The List of Documents Available to the NRC Staff is documented in Enclosure 3 and can be found in ADAMS under Accession Number ML16061A049.

Docket No: 52-046

Enclosures:  
As stated

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**9/22/2015**

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