

June 25, 2015

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

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

SUBJECT: AUDIT PLAN TO REVIEW THE ADVANCED POWER REACTOR 1400  
(APR1400) PROBABILISTIC CONTAINMENT SYSTEMS PROGRAM

On March 5, 2015, the U.S. Nuclear Regulatory Commission (NRC) accepted the design certification (DC) application for docketing of the Advanced Power Reactor 1400 (APR1400) submitted by Korea Electric Power Corporation (KEPCO) and Korea Hydro & Nuclear Power Co., Ltd. (KHNP). The NRC staff initiated Phase 1 of the application DC review on March 9, 2015.

The NRC staff has identified a need to conduct a regulatory audit of the documents and supporting calculations related to the evaluation of the APR1400 containment, especially related to the required sub-compartment analyses, containment volumes and water holdup, and the means and supporting containment analyses used to mitigate against a beyond-design-basis external event and comply with Order EA-12-049. The audit will take place at the Westinghouse Office in Rockville, Maryland, from June 29, 2015, through September 30, 2015. A copy of the audit plan is enclosed.

Docket No: 52-046

Enclosure:  
Audit Plan

cc w/encl: See next page

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Docket No: 052-046

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Audit Plan

cc w/encl: See next page

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