

August 31, 2015

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

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

SUBJECT: AUDIT PLAN TO REVIEW THE ADVANCED POWER REACTOR 1400  
(APR1400) PIPE RUPTURE ANALYSIS REPORT

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 pipe rupture analysis report referenced in the APR1400 design control document. The NRC staff will also review supporting documentation related to the determination of postulated pipe rupture locations, evaluations of their associated dynamic and environmental effects, identification and protection of essential structures, systems, and components against postulated pipe rupture effects as well as the isolation and separation provided in the plant design. The audit will take place at the NRC Headquarters, Electronic Reading Room located in Rockville, Maryland, from August 31, 2015, through September 4, 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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