

July 13, 2015

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

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

SUBJECT: AUDIT PLAN FOR ITEMS RELATED TO TRANSIENT AND ACCIDENT  
ANALYSES DESCRIBED IN VARIOUS SECTIONS OF DESIGN  
CONTROL DOCUMENT CHAPTER 15

On March 5, 2015, the U.S. Nuclear Regulatory Commission (NRC) accepted the design certification 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 design certification review on March 9, 2015.

The NRC staff has identified a need to conduct a regulatory audit of various documents, information, and model yields and supporting calculations related to the transient and accident analyses described in APR1400 DCD Tier 2, Chapters 15, specifically Subsections 15.2.2, 15.4.1, 15.4.2, 15.4.3, 15.4.6, 15.4.7, 15.4.8, and 15.8. The audit will take place in two parts via either review of documentation placed in the APR1400 electronic reading room, or via face-to-face meetings at KHNP's Washington, DC Center in Vienna, Virginia, over several days, between July 14, 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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