

July 30, 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: AUDIT PLAN TO REVIEW THE ADVANCED POWER REACTOR 1400
(APR1400) COMPUTER CODES 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 design calculations performed using the computer codes programs referenced in the APR1400 design control document (DCD). The NRC staff will review and confirm that the design calculations are consistent with the descriptions of the computer codes in Tier 2, Section 3.9.1, "Special Topics for Mechanical Components," of the APR1400 DCD. The audit will take place using the KHNP-produced electronic reading room, at the NRC Headquarters, in Rockville, Maryland, from August 3, 2015, through August 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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