

March 17, 2017

Dr. Han-Gon Kim, Project Manager
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SUBJECT: REVIEW UPDATE OF THE KOREA HYDRO AND NUCLEAR POWER CO., LTD., AND KOREA ELECTRIC POWER CORPORATION APPLICATION FOR STANDARD DESIGN CERTIFICATION OF THE ADVANCED POWER REACTOR 1400

Dear Dr. Kim:

By letter dated June 2, 2015, the U.S. Nuclear Regulatory Commission (NRC) issued a schedule to Korea Hydro and Nuclear Power Co., Ltd., (KHNP) and Korea Electric Power Corporation for reviewing the Advanced Power Reactor 1400 (APR1400) Design Certification (DC) application (Agencywide Document Access and System and Management System (ADAMS) Accession No. ML15041A348). By letters dated March 7, 2016 (ADAMS Accession No. ML16067A165), and September 27, 2016 (ADAMS Accession No. ML16245A847), the NRC staff provided review updates. This letter is to inform you of the current status of the review.

The NRC staff has made substantial progress toward completing both the remaining Phase 2 Safety Evaluation Reports (SERs) with Open Items (OIs) and the Phase 3 Advisory Committee on Reactor Safeguards (ACRS) meeting milestones. As of the date of this letter, the SERs with OIs for Chapters 2, 4, 5, 6, 8, 10, 11, 12, 13, and 16 of the APR1400 application have been issued to the ACRS for review, and the remaining ACRS meetings have been scheduled. However, we require additional time beyond the current Phase 2 public milestone in order to complete the internal review process and issue the remaining SERs with OIs. Therefore, the current milestone for completion of the Phase 2 SER with OIs is being revised from March 2017 to May 2017. The remaining milestones are unchanged, including the completion of the entire review within 42 months.

Looking beyond Phase 3, as we have done throughout this review, the NRC staff will continue to interact with KHNP to resolve the outstanding technical issues in Phase 4 of the review.

Dr. Kim

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If you have any questions, please contact Jeff Ciocco, the Lead Project Manager for this review, at (301) 415-6391 or via e-mail at Jeff.Ciocco@nrc.gov.

Sincerely,

/RA/

Frank Akstulewicz, Director
Division of New Reactor Licensing
Office of New Reactors

Docket No.: 52-046

cc: See next page

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