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May 13, 2020

Document Control Desk

U.S. Nuclear Regulatory Commission

Washington, DC 20555-0001

Attention: Mr. William Ward

Division of New Reactor Licensing

Docket No. 52-046

MKD/NW-20-0004L

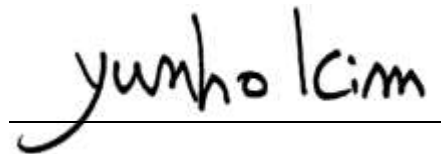
**Subject: 10 CFR 50.46 Annual Report for the APR1400 Standard Plant Design****References: APR1400 Standard Design Certification Application Design Control Document,  
Revision 3, Tier 1 and Tier 2, dated August 18, 2018**

Pursuant to 10 CFR 50.46, "Acceptance Criteria for Emergency Core Cooling Systems for Light Water Reactors," Korea Hydro and Nuclear Power (KHNP) is submitting the attached report to document any emergency core cooling system (ECCS) evaluation model changes or errors that affect the temperature calculation for the APR1400 Standard Plant Design. There have been no changes or errors that have occurred for the ECCS model for the APR1400 Standard Plant Design since submitted in letter MKD/NW-18-0119L, dated August 13, 2018.

The information included in this letter is generic and is expected to apply to all COL applications referencing the APR1400 Design Certification Application. By copy of this letter, prospective COL Applicants are hereby notified of any changes or errors in the APR1400 Standard Design PCT as required by 10 CFR 50.46(a)(3)(iii).

If additional information or clarification is required, please contact Lee Jong-Sul, Director of KHNP Washington DC Center at [surry0123@khnp.co.kr](mailto:surry0123@khnp.co.kr) or 703-790-4625.

Sincerely,



Yun-ho Kim

Project Manager,

Central Research Institute

Korea Hydro &amp; Nuclear Power Co., Ltd.

Enclosure: APR1400 Design Certification 10 CFR 50.46 Annual Report - 2019 (Non-Proprietary)

**Enclosure**

APR1400 Design Certification 10 CFR 50.46 Annual Report - 2019

(Non-Proprietary)

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