



Westinghouse Non-Proprietary Class 3

Westinghouse Electric Company
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U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

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DCP_NRC_003343

March 19, 2021

References:

1. ML20178A640, AP1000® Design Certification Extension Request
2. ML20252A153, Rulemaking Plan to Extend the Duration of the AP1000 Design Certification
3. ML20322A047, Staff Requirements – SECY-20-0082 – Rulemaking Plan to Extend the Duration of the AP1000 Design Certification

Subject: Information Submittal Related to the AP1000® Design Certification Extension

By letter dated June 26, 2020 (reference 1), Westinghouse Electric Company LLC (Westinghouse) requested the U.S. Nuclear Regulatory Commission (NRC) extend the duration of the AP1000 design certification (DC). SECY-20-0082 (reference 2) recommended to extend the AP1000 DC an additional five years beyond the current expiration date of February 27, 2021 using the direct final rule process. Staff Requirements Memorandum - SECY-20-0082 (reference 3) approved the recommendation.

In order to enable the NRC staff to make the necessary safety findings under 10 CFR 52.54, Westinghouse hereby submits information that documents five previously resolved technical issues related to the AP1000 design certification. These technical issues were resolved as part of the Levy Nuclear Plant Units 1 & 2, William States Lee III Nuclear Station Units 1 & 2, and Turkey Point Units 6 & 7 AP1000 combined license (COL) applications, as well as the Vogtle Electric Generating Plant Units 3 & 4 COL. The purpose of this submittal is to provide the information necessary to update the generic certified design with the same information that NRC previously reviewed and approved.

This letter does not constitute a DC renewal application request per 10 CFR 52.57. Westinghouse is available to discuss if further clarification is needed. Questions can be directed to Zachary Harper at 412-374-5093 or harperzs@westinghouse.com.

Sincerely,

Michael M. Corletti, Director
Licensing and Advanced Reactors Engineering

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/Enclosures

1. Supplemental Information to Support the AP1000 Design Certification Extension (Non-Proprietary), APP-GW-GL-705
 - a. Summary Description
 - b. Design Control Document Markup Pages for Passive Core Cooling System (PXS) Condensate Return
 - c. Design Control Document Markup Pages for Main Control Room Emergency Habitability System (VES) Changes to Satisfy Post-Actuation Performance Requirements
 - d. Design Control Document Markup Pages for Improvements to Main Control Room (MCR) Post-Accident Radiological Consequences
 - e. Design Control Document Markup Pages for Hydrogen Venting from Passive Core Cooling System (PXS) Compartments
 - f. Design Control Document Markup Pages for PMS Logic Changes for Source Range Flux Doubling
 - g. Design Control Document Replacement Information
2. Supplemental Information to Support the AP1000 Design Certification Extension (Proprietary), APP-GW-GL-706
 - a. Proprietary Design Control Document Markups for Main Control Room Emergency Habitability System (VES) Changes to Satisfy Post-Actuation Performance Requirements
 - b. Proprietary Design Control Document Replacement Information for Main Control Room Emergency Habitability System (VES) Changes to Satisfy Post-Actuation Performance Requirements
3. Affidavit AW-21-5169
4. Security-Related Information, Withhold Under 10 CFR 2.390d

cc: Anna Bradford
Bob Caldwell
Michael Dudek
Bruce Baval