



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

February 4, 2020

Mr. Takayuki Mori, Engineering Manager
Global Nuclear Project Department
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**SUBJECT: UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR
DESIGN CERTIFICATION SAFETY EVALUATION WITH NO OPEN
ITEMS FOR CHAPTERS 18, "HUMAN FACTORS ENGINEERING," AND
8, "ELECTRIC POWER"**

Dear Mr. Mori:

By letters dated July 29, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19176A080), and August 19, 2019 (ADAMS Accession No. ML19219A222), respectively, the staff sent you safety evaluations with no open items for the United States – Advanced Pressurized Water Reactor design certification application Chapters 18, "Human Factors Engineering," and 8, "Electric Power". These chapters were sent for proprietary review in advance of a September 19, 2019, Advisory Committee on Reactor Safeguards (ACRS) Subcommittee meeting.

Following that September 19, 2019, Subcommittee meeting, the full ACRS Committee meeting discussed the safety evaluations for these chapters in their November 6-8, 2019, meeting. Subsequent to the full ACRS Committee meeting, the ACRS issued a letter dated November 26, 2019 (ADAMS Accession No. ML19331A036), in which they recommended, in part, that the staff issue both safety evaluation chapters.

The NRC staff and the ACRS agree on the accuracy and adequacy of safety evaluations for Chapters 18 and 8, as forwarded on July 29, 2019, and August 19, 2019, respectively, we request that you consider those documents as complete and issued Phase 4 safety evaluations as of the date of this letter.

Should you have any questions, please contact the lead project manager, George Wunder, at 1+301-415-1494 or via electronic mail at George.Wunder@nrc.gov.

Sincerely,

/RA/

Michael I. Dudek, Chief,
New Reactor Licencing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

Docket No.: 52-021

Enclosure:
As stated

cc w/o encl.: See next page

SUBJECT: UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR DESIGN
CERTIFICATION SAFETY EVALUATION WITH NO OPEN ITEMS FOR
CHAPTERS 18, "HUMAN FACTORS ENGINEERING," AND 8, "ELECTRIC
POWER DATED: FEBRUARY 4, 2020

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ADAMS Accession No.: ML20031D343***via e-mail****NRR-106**

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