

August 14, 2009

MEMORANDUM TO: Belkys Sosa, Chief
ESBWR/ABWR Projects Branch 2 (NGE2)
Division of New Reactor Licensing
Office of New Reactors

FROM: Craig G. Erlanger, Chief */RA Mark Resner for/*
Integrated Security Coordination and Policy Branch
Division of Security Policy
Office of Nuclear Security and Incident Response

SUBJECT: CYBER SECURITY ACCEPTANCE REVIEW RESULTS FOR
THE U.S. ADVANCED BOILING WATER REACTOR DESIGN
AMENDMENT

The Integrated Security Coordination and Policy Branch (ISCPB) staff has completed its cyber security acceptance review of the U.S. Advanced Boiling Water Reactor (USABWR) Design Certification (DC) amendment submitted by South Texas Nuclear Operating Company (STPNOC). Utilizing Office of New Reactors Office Instruction, NRO-REG-100, "Acceptance Review Process for Design Certification and Combined License Applications." This review covered the following Final Safety Analysis Report (FSAR) Section as well as the applicable interface documentation referenced in the Final Safety Analysis Report (FSAR):

- FSAR, Tier 2, Appendix 19S, "Aircraft Impact Assessment."
- Referenced documentation
Letter from STPNOC to the office of Nuclear Regulatory Commission (NRC) Document Control Desk, dated June 30, 2009, entitled "Application to Amend the Design Certification Rule for the U.S. Advanced Boiling Water Reactor (ABWR)"

Completeness and Sufficiency

Based on ISCPB staff review, we have concluded that the application contains the information required by applicable regulations and that the submitted information is technically sufficient for ISCPB staff to commence the USABWR technical review of the amendment.

Schedule

The estimated effort for the ISCPB staff is to complete the cyber security review of the USABWR amendment in 32 hours.

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Review Dependencies.

ISCPB's technical review of the USABWR amendment is dependent upon the Nuclear Regulatory Commission (NRC) staff review of the reactor and systems design to confirm the adequacy and completeness of STPNOC's vital equipment list (e.g., adequacy of technical bases and consistency with NRC risk insights for human actions, design structures, systems, and components, etc.) for establishing target sets requiring cyber protection. These target sets may also include safety and non-safety related structure, systems and components of the USABWR design.

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NAME	M. Resner for S. Opara	P. Prescott	M. Resner for C. Erlanger w/ comments
DATE	8/14/09	8/13/09	8/14/09

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