

January 12, 2000

Mr. James F. Mallay  
Director, Nuclear Regulatory Affairs  
Siemens Power Corporation  
2101 Horn Rapids Road  
Richland, WA 99352

SUBJECT: NRC STAFF REVIEW OF TOPICAL REPORT EMF-2110 (NP),  
"TELEPERM XS: A DIGITAL REACTOR PROTECTION SYSTEM"

Dear Mr. Mallay:

The purpose of this letter is to inform you that the NRC staff has completed its technical review of Topical Report EMF-2110 (NP), "TELEPERM XS: A Digital Reactor Protection System." This review included an assessment of equipment qualification, system software design, and independent verification and validation of the TELEPERM XS development. The staff has not identified any open items of significance. The results of the review are being assimilated into a Safety Evaluation. The staff will recommend TELEPERM XS acceptance for use in nuclear power plant safety applications. The draft SE is expected to be made available for NRR management review by the end of January 2000. At the same time, the NRC plans to make the draft SE available for Siemens Power Corporation's review to ensure that proprietary material is adequately protected. We would expect a timely response to your proprietary review.

Upon completion of the NRR management review, a process that typically takes four to six weeks, the final SE will be submitted to the Committee to Review Generic Requirements (CRGR), in accordance with agency procedures. Following CRGR action, we expect to issue the SE by April 2000. If you have any questions regarding the status of the SE, please do not hesitate to contact Mr. Evangelos Marinos at (301) 415-2911.

Sincerely,

*/RA/*

Stuart A. Richards, Director  
Project Directorate IV and Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Project No. 702

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