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Perry Nuclear Power Plant
Docket No. 50-440
Update To Licensing Basis Regarding SBO Analysis

Ladies and Gentlemen:

This letter provides an update to the licensing basis for the Perry Nuclear Power Plant (PNPP) regarding the Station Blackout (SBO) rule, 10 CFR 50.63, "Loss of all alternating current power." By letter dated May 28, 1992 (PY-CEI/NRR-1497L), the PNPP staff addressed Nuclear Regulatory Commission (NRC) recommendations for conformance with the SBO rule. The NRC recommendations were documented in the Safety Evaluation, dated April 23, 1992 (TAC No. M68584). In the May 28, 1992 letter, temperature conditions for the High Pressure Core Spray (HPCS) switchgear room were discussed. The following is a sentence quoted from this letter.

"The HPCS switchgear room temperature is not expected to go over 104° F. The temperature profile for the HPCS switchgear room is being re-verified, based on an initial room temperature of 75° F, which is routinely checked on plant rounds."

For the SBO four hour coping period, the maximum temperature for equipment in the HPCS switchgear room has been recently re-evaluated and determined to be acceptable at 109° F. Using the methodology contained in the Nuclear Management Resources Council (NUMARC) 87-00, "Guidelines and Technical Bases for NUMARC Initiatives Addressing Station Blackout at Light Water Reactors," and using an initial room temperature of 85° F, the HPCS switchgear room will not exceed 109° F. Therefore, the licensing basis for the PNPP SBO analysis for the HPCS switchgear room reflects a new maximum temperature of 109° F with an acceptable starting temperature of 85° F.

There are no regulatory commitments contained in this letter. If you have questions or require additional information, please contact Mr. Gregory A. Dunn, Manager - Regulatory Affairs, at (440) 280-5305.

Very truly yours,

for John K. Wood

cc: NRC Project Manager
NRC Resident Inspector
NRC Region III

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