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PSEG Nuclear LLC

OCT 2 0 2004

LR-N04-0461
LCR H04-02

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

SUPPLEMENT TO REQUEST FOR CHANGE TO TECHNICAL SPECIFICATIONS
OSCILLATION POWER RANGE MONITOR (OPRM)
HOPE CREEK GENERATING STATION
FACILITY OPERATING LICENSE NPF-57
DOCKET NO. 50-354

References: 1. LR-N04-0069, "Request for Change to Technical Specifications: Oscillation Power Range Monitor (OPRM)," dated March 31, 2004.

2. LR-N04-0336, "Response to Request for Additional Information: Request for Change to Technical Specifications: Oscillation Power Range Monitor (OPRM)," dated August 9, 2004

This letter provides additional information regarding the humidity qualification for the Oscillation Power Range Monitor. In accordance with 10CFR50.91(b)(1), a copy of this submittal has been sent to the State of New Jersey.

By the Reference 1 letter, PSEG Nuclear LLC (PSEG) requested a revision to the Technical Specifications (TS) for the Hope Creek Generating Station to include the Oscillation Power Range Monitor (OPRM) system. Attachment 3 to the Reference 1 letter stated that the tested relative humidity range for the OPRM does not envelope the lower end of the normal control room humidity range and that PSEG would complete its evaluation of this deviation and any required corrective actions before enabling the OPRM trip function.

The Reference 2 letter stated that the OPRM vendor performed an evaluation to confirm the OPRM equipment will continue to operate properly at 10% RH which envelopes the lower end of the humidity range for Hope Creek. In response to a communication from Mr. G. Miller on October 13, 2004, additional details of the vendor evaluation are provided below.

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The OPRM vendor (ABB-CE) evaluation described in ABB-CE letter TIC-97-632, dated September 16, 1997, concluded that the OPRM equipment would continue to function at humidity levels as low as 10%. The vendor noted that the primary concern at low humidity levels is the chance for damage from electro-static discharge (ESD). The OPRM equipment has been tested for ESD. In addition, the circuit cards were coated with CONAP or an acrylic urethane coating, isolating electronic components from direct contact with a low humidity environment.

Thus the OPRM equipment will continue to operate properly at humidity levels that bound the mild environmental conditions in the Hope Creek control room.

PSEG has determined that the information contained in this letter does not alter the conclusions reached in the 10CFR50.92 no significant hazards analysis previously submitted.

If you have any questions or require additional information, please contact Mr. Paul Duke at (856) 339-1466.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 10/20/2004
(date)

Michael H. Brothers
Vice President - Site Operations

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