



Carolina Power & Light Company
P.O. Box 10429
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October 27, 1999

SERIAL: BSEP 99-0172

10 CFR 50, Appendix E
Technical Specification 5.6.6

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

**BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-324/LICENSE NO. DPR-62
NOTIFICATION OF EMERGENCY RESPONSE DATA SYSTEM MODIFICATION AND
POST ACCIDENT MONITORING INSTRUMENTATION REPORT**

Gentlemen:

In accordance with Technical Specification (TS) 5.6.6, "Post Accident Monitoring (PAM) Instrumentation Report," this letter provides notification of a PAM instrument which was not restored to OPERABLE status within 30 days as required by Condition A of TS 3.3.3.1. In addition, this letter reports a change to the Emergency Response Data System (ERDS) for the Brunswick Steam Electric Plant (BSEP), Unit No. 2, in accordance with 10 CFR 50, Appendix E, Section VI.3.a.

Technical Specification 5.6.6 Report

On September 13, 1999, temperature element 2-CAC-TE-1258-22 failed. This element provides a Unit 2 input to Function 7, "Drywell Temperature," of Table 3.3.3.1-1, "Post Accident Monitoring Instrumentation." Condition A of TS 3.3.3.1, "Post Accident Monitoring (PAM) Instrumentation," was entered, with a Required Action to restore the required channel to OPERABLE status within 30 days. The cause of the failed temperature element cannot be conclusively determined. However, based on troubleshooting efforts, the failure is most likely a result of a high resistance connection located within the cabling inside primary containment. As such, the repair of temperature element 2-CAC-TE-1258-22 cannot be completed with Unit 2 online. The temperature element will be replaced and cable connections repaired, as necessary, during the upcoming Unit 2 refueling outage in 2001.

Until temperature element 2-CAC-TE-1258-22 can be repaired, a substitute element will be used to provide input to the Drywell Temperature PAM Function for Unit 2. A prior engineering

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evaluation demonstrates that the data provided by the substitute element ensures accurate temperature monitoring within this channel.

10 CFR 50, Appendix E, Section VI.3.a Report

On June 9, 1992 (Serial: NLS-92-140), Carolina Power & Light (CP&L) Company submitted the ERDS Data Point Library for BSEP, Unit Nos. 1 and 2. In accordance with 10 CFR 50, Appendix E, Section VI.3.a, this letter provides notification of a change to a transmitted data point identified in the ERDS Data Point Library. On October 27, 1999, data point D23C0315, "Drywell Temperature Readout," was changed to use a substitute temperature element in lieu of failed temperature element 2-CAC-TE-1258-22. Use of the substitute temperature element did not result in a change to actual data transmitted to the NRC or any revisions to the Data Point Library Reference File sheets previously submitted to the NRC; however, the change warrants notification to the NRC in accordance with 10 CFR 50, Appendix E, Section VI.3.a, in that a transmitted data point was affected. Once repairs to temperature element 2-CAC-TE-1258-22 are completed, the D23C0315 data point will be restored to its original configuration.

No regulatory commitments are contained in this letter. Please refer any questions regarding this submittal to Mr. Warren J. Dorman, Supervisor - Licensing, at (910) 457-2068.

Sincerely,



Keith R. Jury
Manager - Regulatory Affairs
Brunswick Steam Electric Plant

KMN/kmn

Document Control Desk
BSEP 99-0172 / Page 3

cc:

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