



Carolina Power & Light Company
P.O. Box 10429
Southport, NC 28461-0429

October 30, 1998

SERIAL: BSEP 98-0210

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 NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62
NOTIFICATION OF EMERGENCY RESPONSE DATA SYSTEM MODIFICATIONS 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 changes to the Emergency Response Data System (ERDS) Data Point Library for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, in accordance with 10 CFR 50, Appendix E, Section VI.3.a.

Technical Specification 5.6.6 Report

On August 24, 1998, temperature element 2-CAC-TE-1258-22 failed. This element provides an input to the Drywell Temperature PAM Function for Unit 2 as shown on 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 Spring 1999 Unit 2 refueling outage (i.e., B214R1).

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 point ensures accurate temperature monitoring within this channel.

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

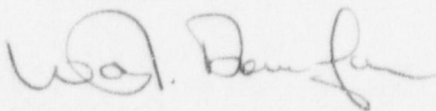
On June 9, 1992 (Serial: NLS-92-140), Carolina Power & Light (CP&L) Company submitted the ERDS Data Point Library for BSEP, Unit Nos. 1 and 2. In accordance with 10 CFR 50, Appendix E, Section VI.3.a, this letter provides notification of changes to the transmitted data points identified in the ERDS Data Point Library. These changes were made on October 1, 1998, and on October 22, 1998.

On October 1, 1998, data points D23C0315, "Drywell Temperature Readout," for both BSEP Units 1 and 2, were modified to make the Emergency Response Facility Information System calculation consistent with the methods identified in plant procedure OPT-16.2, "Drywell Volumetric Average Temperature," and the Suppression Pool Temperature Monitoring System microprocessor, which calculates the control room indication of average drywell temperature. Specifically, the number of sensors used in this composed point was changed from 18 to 17. The enclosure to this letter contains revised Data Point Library Reference File sheets for both units.

Subsequently, on October 22, 1998, as part of the temporary change to data point D23C0315 discussed under the Technical Specification 5.6.6 Report section of this letter, an additional change was made for Unit 2. This ERDS data point change did not result in any revisions to the Data Point Library Reference File sheets. However, the change warrants notification 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

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Enclosure: Revised Data Point Library Reference File Sheets

cc:

U. S. Nuclear Regulatory Commission, Region II
ATTN: Mr. Luis A. Reyes, Regional Administrator
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Atlanta, GA 30303

U. S. Nuclear Regulatory Commission
ATTN: Mr. Charles A. Patterson, NRC Senior Resident Inspector
8470 River Road
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U. S. Nuclear Regulatory Commission
ATTN: Mr. David C. Trimble, Jr. (Mail Stop OWFN 14H22)
11555 Rockville Pike
Rockville, MD 20852-2738

Ms. Jo A. Sanford
Chair - North Carolina Utilities Commission
P.O. Box 29510
Raleigh, NC 27626-0510

ENCLOSURE

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
NOTIFICATION OF EMERGENCY RESPONSE DATA SYSTEM MODIFICATIONS AND
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REVISED DATA POINT LIBRARY REFERENCE FILE SHEETS

DATA POINT LIBRARY REFERENCE FILE

Date: 10/1/98
 Reactor Unit: BK1
 Data Feeder: N/A
 NRC ERDS Parameter: DW TEMP
 Point ID: D23C0315
 Plant Spec Point Desc.: DRYWELL TEMPERATURE READOUT
 Generic/Cond Desc.: Drywell Temperature
 Analog/Digital: A
 Engr Units/Dig States: DEGF
 Engr Units Conversion: Telemetry from Supp. Pool Temp. Mon. Sys
 Minimum Instr Range: 0.320E+02
 Maximum Instr Range: 0.350E+03
 Zero Point Reference: N/A
 Reference Point Notes: N/A
 PROC or SENS: P
 Number of Sensors: 17 {Drywell temperature inputs}
 How Processed: Regional-weighted or arithmetic average
 Sensor Locations: TE's in drywell between -5' and 92' el
 Alarm/Trip Set Points: HIGH = 0.300E+03
 NI Detector Power Supply
 Cut-off Power Level: N/A
 NI Detector Power Supply
 Turn-on Power Level: N/A
 Instrument Failure Mode: N/A
 Temperature Compensation
 For DP Transmitters: N/A
 Level Reference Leg: N/A
 Unique System Desc.: Arithmetic average is used as a backup for
 the regionally-weighted average.

DATA POINT LIBRARY REFERENCE FILE

Date: 10/1/98
 Reactor Unit: BK2
 Data Feeder: N/A
 NRC ERDS Parameter: DW TEMP
 Point ID: D23C0315
 Plant Spec Point Desc.: DRYWELL TEMPERATURE READOUT
 Generic/Cond Desc.: Drywell Temperature
 Analog/Digital: A
 Engr Unit/Dig States: DEGF
 Engr Units Conversion: Telemetry from Supp. Pool Temp. Mon. Sys
 Minimum Instr Range: 0.320E+02
 Maximum Instr Range: 0.350E+03
 Zero Point Reference: N/A
 Reference Point Notes: N/A
 PROC or SENS: P
 Number of Sensors: 17 {Drywell temperature inputs}
 How Processed: Regional-weighted or arithmetic average
 Sensor Locations: TE's in drywell between -5' and 92' el
 Alarm/Trip Set Points: HIGH = 0.300E+03
 NI Detector Power Supply
 Cut-off Power Level: N/A
 NI Detector Power Supply
 Turn-on Power Level: N/A
 Instrument Failure Mode: N/A
 Temperature Compensation
 For DP Transmitters: N/A
 Level Reference Leg: N/A
 Unique System Desc.: Arithmetic average is used as a backup for
 the regionally-weighted average.