



Carolina Power & Light Company

3 FEB 14 1983

Brunswick Steam Electric Plant
P. O. Box 10429
Southport, NC 28461-0429

February 7, 1983

FILE: B09-13510A
SERIAL: BSEP/83-281

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II, Suite 3100
101 Marietta Street N.W.
Atlanta, GA 30303

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
SUPPLEMENTAL RESPONSE TO IE BULLETIN 82-03 (Revision 1)

Dear Mr. O'Reilly:

In our letter of December 16, 1982, Carolina Power & Light Company provided requested information on the Recirculation System IGSCC inspection program for Brunswick Unit No. 1. Due to concerns expressed during subsequent inspections by Region II inspectors and program changes initiated by CP&L, the original response is hereby supplemented.

A review of the December 16, 1982, submittal and its support documentation determined that the IGSCC susceptibility study performed for BSEP by General Electric (GE) contained some errors due to nomenclature problems between the two BSEP units. GE had referenced the units in its report as CP&L Unit Nos. 1 and 2, as they were designated under the original NSSS contract; however, CP&L Unit No. 1 is actually BSEP Unit No. 2 and CP&L Unit No. 2 is BSEP Unit No. 1. The corrected table of stress rule index numbers, carbon content values, and susceptibility rankings is enclosed. None of the stress rule index numbers changed, and the susceptibility ranks changed only to reflect that GE now considers "1.1" to be the threshold value for a susceptible joint.

To clarify the basis for selection and the applicable inspection requirements for the Unit No. 1 weld sample, a listing of the recirculation system and Residual Heat Removal System welds that are being tested is included in the enclosed table. This listing includes two additional welds which were not contained in the original response, one of which is the corresponding weld on loop B which had indications on loop A, and the other because its location in a stagnant area makes it equivalent to an end cap.

Mr. O'Reilly

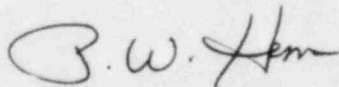
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In addition to the above changes, the applicable inspection procedure has been revised. The revised procedure for manual inspections, Southwest Research Institute Procedure 600-31, Revision 9, Deviation 3, requires the recording of ultrasonic reflectors producing a response greater than 50 percent of the reference level. All reflectors (regardless of signal amplitude) not readily attributable to geometry by the examiner shall be recorded and investigated by a Level III examiner to the extent necessary. Automated inspections being performed to fulfill NUREG-0313, Revision 1, will be performed using Southwest Research Institute Procedure 700-5, Revision 9, Deviation 4. This procedure employs the same scanning techniques as the manual procedure and records any reflectors not readily attributable to geometry.

We understand that Revision 2 of the IE Bulletin 82-03 is about to be issued. Any further changes necessitated by that revision will be addressed in future correspondence.

Very truly yours,



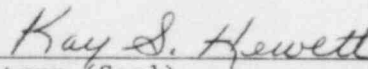
P. W. Howe, Vice President
Brunswick Nuclear Project

RMP/dj/LETDJ4

Enclosures

cc: Mr. D. O. Myers
Mr. D. B. Vassallo
NRC Document Control Desk

P. W. Howe, having been first duly sworn, did depose and say that the information contained herein is true and correct to his own personal knowledge or based upon information and belief.


Notary (Seal)

My commission expires: My Commission Expires 6-15-86

WELD NUMBER	LINE DESCRIPTION	BASIS FOR SELECTION	APPLICABLE INSPECTION REQUIREMENTS
B32-RECIRC-4"-A-1	Discharge Valve Bypass	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-4"-A-10	Discharge Valve Bypass	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-12"-AR-C-2	Discharge Riser	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-12"-AR-C-3	Discharge Riser	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-22"-AM-5BC-B	Discharge Header End Sweepolet	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-22"-AM-6	Discharge Header End Cap	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-22"-AM-3*	Discharge Header Cross-tie	Stagnant Location	IEB 82-03, Rev. 1
B32-RECIRC-28"-A-10	Suction Line	Susceptibility Rank 1	IEB 82-03, Rev. 1
B32-RECIRC-28"-A-15	Discharge Riser	Susceptibility Rank 1	IEB 82-03, Rev. 1
E11-RHR-24"-A-DISCH-12	Bimetallic Weld	Bimetallic Weld	IEB 82-03, Rev. 1
E11-RHR-20"-A-SUCT-2	Bimetallic Weld	Bimetallic Weld	IEB 82-03, Rev. 1
B32-RECIRC-4"-B-1	Discharge Valve Bypass	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-4"-B-10	Discharge Valve Bypass	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-12"-BR-H-1	Discharge Riser	Susceptibility Rank 1	IEB 82-03, Rev. 1
B32-RECIRC-22"-BM-1	Discharge Header End Cap	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-22"-BM-1BC-A	Discharge Header End Sweepolet	Occurrence of Cracking at Other BWRs	IEB 82-03, Rev. 1
B32-RECIRC-28"-B-15*	Discharge Line	Susceptibility Rank 1	IEB 82-03, Rev. 1
E11-RHR-24"-B-13	Bimetallic Weld	Bimetallic Weld	IEB 82-03, Rev. 1
B32-RECIRC-12"-AR-A-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1
B32-RECIRC-12"-AR-B-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1
B32-RECIRC-12"-AR-C-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1
B32-RECIRC-12"-AR-D-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1
B32-RECIRC-12"-AR-E-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1
B32-RECIRC-12"-AR-F-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1
B32-RECIRC-12"-AR-G-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1
B32-RECIRC-12"-AR-H-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1
B32-RECIRC-12"-AR-J-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1
B32-RECIRC-12"-AR-K-4	Discharge Line	Susceptibility Rank 1	NUREG 0313, Rev. 1

*Not included in original response.