



Carolina Power & Light Company

JAN 30 1991

SERIAL: NLS-91-029

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1
DOCKET NO. 50-325/LICENSE NO. DPR-71
IGSCC INSPECTION RESULTS - REFUELING OUTAGE 7

Gentlemen:

In a letter dated January 24, 1991, Carolina Power & Light Company provided IGSCC inspection results for Refueling Outage 7. In that letter, the cover sheet for Enclosure 3 was inadvertently omitted (Enclosure 3 contains two SMC O'Donnell Inc. letters). The cover sheet for Enclosure 3 is enclosed for your use.

In addition, an error to Table 1 in Enclosure 1 was discovered. This error affects Table 1 in Enclosure 1 and page 10 of Table 2 in Enclosure 1. Enclosed are the replacement pages with the corrected Tables.

We apologize for any inconvenience this may have caused.

Please refer any questions regarding this submittal to Mr. D. B. Bates at (919) 546-6154.

Yours very truly,

S. D. Floyd
Manager

Nuclear Licensing Section

DBB/jbw (979BNP)

Enclosures

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ENCLOSURE 3
BRUNSWICK STEAM ELECTRIC PLANT, UNIT 1
NRC DOCKET 50-325 / LICENSE NO. DPR-71
IGSCC INSPECTION RESULTS - REFUELING OUTAGE 7

FINAL DESIGN REPORT - MECHANICAL STRESS IMPROVEMENT PROCESS

SMC O'DONNELL & ASSOCIATES, INC.

ENCLOSURE 1
 BRUNSWICK STEAM ELECTRIC PLANT, UNIT 1
 NRC DOCKET 50-325 / LICENSE NO. DPR-71
 IGSCC INSPECTION RESULTS - REFUELING OUTAGE 7

(1) NUREG 0313, Rev 2, INSPECTION SCOPE AND RESULTS

Scope of Examinations

CP&L's approved (Reference 3) NUREG 0313 IGSCC Inspection Program was extensively revised because of the RCRS and Core Spray piping/safe-end replacement, and the commitment (Reference 1) made by CP&L to inspect the eleven* (11) dissimilar metal, and four (4) similar metal (Inconel) welds in BSEP Unit 1 that had not previously been inspected using transducers that produce a refracted longitudinal (RL) sound wave. Table 1 illustrates the revisions to the NUREG 0313 Inspection Program.

* Two (2) of the eleven dissimilar metal welds (1E21FF-4-FWRNA18 and 1E21FF-8-FWRNB18) were replaced as part of the Core Spray piping/safe-end replacement.

TABLE 1 - BSEP 1 STATUS	IGSCC Inspection Categories							TOTAL
	A	B	C	D	E	F	G	
Prior to Refueling Outage 7	122	0	58	31	46	0	13	270
Refueling Outage 7 Inspections	40 (7)	10	8 (17)	11 (16)	5 (24)	0	13	87
Current Population	150	10	42	25	11	1	0	239

The inspections indicated in parenthesis (XX) above are the number of welds in each category that were originally scheduled to be inspected in accordance with the NUREG 0313 Inspection Program. The variations in actual inspections performed versus scheduled inspections were caused by the elimination or replacement of welds by the RCRS and Core Spray piping and safe end replacement.

Table 2 (attached) provides a complete listing of the BSEP Unit 1, NUREG 0313, Rev 2, IGSCC Inspection Classifications, including weld numbers, IGSCC Category, joint configuration, system and inspection schedule.

