



**Progress Energy**

10 CFR 50.55a

**JUL 23 2010**

SERIAL: BSEP 10-0091

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

Subject: Brunswick Steam Electric Plant, Unit No. 1  
Renewed Facility Operating License No. DPR-71  
Docket No. 50-325  
Inservice Inspection Program Owner's Activity Report for Unit 1  
Refueling Outage 17

Ladies and Gentlemen:

Enclosed is an American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Form OAR-1, Owner's Activity report for the Brunswick Steam Electric Plant (BSEP), Unit No. 1. The report covers inspection activities performed during BSEP, Unit 1 Refueling Outage 17 (i.e., B118R1) for the first inspection period of the fourth 10-year inspection interval. The report has been prepared and is being submitted in accordance with ASME Code Case N-532-4.

No regulatory commitments are contained in this letter. Please refer any questions regarding this submittal to Ms. Annette Pope, Supervisor - Licensing/Regulatory Programs, at (910) 457-2184.

Sincerely,

Phyllis N. Mentel  
Manager - Support Services  
Brunswick Steam Electric Plant

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nll

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BSEP 10-0091 / Page 2

WRM/wrm

Enclosure: Form OAR-1 Owner's Activity Report for Refueling Outage B118R1

cc (with enclosure):

U. S. Nuclear Regulatory Commission, Region II  
ATTN: Mr. Luis A. Reyes, Regional Administrator  
245 Peachtree Center Ave, NE, Suite 1200  
Atlanta, GA 30303-1257

U. S. Nuclear Regulatory Commission  
ATTN: Mr. Philip B. O'Bryan, NRC Senior Resident Inspector  
8470 River Road  
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U. S. Nuclear Regulatory Commission **(Electronic Copy Only)**  
ATTN: Mrs. Farideh E. Saba (Mail Stop OWFN 8G9A)  
11555 Rockville Pike  
Rockville, MD 20852-2738

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

Mr. Jack M. Given, Jr., Bureau Chief  
North Carolina Department of Labor  
Boiler Safety Bureau  
1101 Mail Service Center  
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BSEP 10-0091  
Enclosure

Form OAR-1 Owner's Activity Report  
for Refueling Outage B118R1

## Form OAR-1 OWNER'S ACTIVITY REPORT

Report Number: B118R1

Plant: Brunswick Steam Electric Plant

Unit No.: 1 Commercial Service Date: March 1977

Refueling Outage No.: B118R1

Current Inspection Interval: Fourth

Current Inspection Period: First Period of Interval Four

Edition and Addenda of Section XI applicable to the inspection plans: 2001 Ed. with 2003 Add.

Date and Revision of Inspection Plans: Fourth Interval Rev.3 February 2010

Edition and Addenda of Section XI applicable to Repair/Replacement activities, if different than the Inspection Plans: None

Code Cases used: N-460, N-532-4, N-613-1, N-648-1, N-663, and N-700

### CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the Repair/Replacement activities and evaluations supporting the completion of B118R1 conform to the requirements of Section XI.

Signed: W. B. Wipm

(Owner or Owner's Designee)

Date: 7-14-2010

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by Hartford Steam Boiler of Connecticut have inspected the items described in Repair/Replacement Plan number B118R1, and state that, to the best of my knowledge and belief, the Owner has performed all the activities described in the Repair/Replacement Plan in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the activities described in the Repair/Replacement Plan. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Nancy Critchfield Slaughter  
Inspector's Signature

Commissions: NC1169 A, B, N, I

National Board, State, Province, and Endorsements

Date: 7/14/10

**TABLE 1**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category and Item Number</b>	<b>Item Description</b>	<b>Evaluation Description</b>
None		

**TABLE 2**  
**ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE**

<b>Code Class</b>	<b>Item Description</b>	<b>Description of Work</b>	<b>Date Completed</b>	<b>Repair/Replacement Plan Number</b>
1	1-B21-F032A	Replace bonnet bolting	4/29/10	1549947-01