



**Progress Energy**

10 CFR 50.55a

**JUL 25 2012**

SERIAL: BSEP 12-0086

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 18

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 18 (i.e., designated as B119R1) for the second inspection period, an online activity performed during the second inspection period, and an activity performed during BSEP, Unit 1 Refueling Outage 17 (i.e., designated as B118R1) which was not reported in the previous Owner's Activity Report because the review was not yet completed. 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 Mr. Lee Grzeck, Acting Supervisor – Licensing/Regulatory Affairs, at (910) 457-2487.

Sincerely,

Annette H. Pope  
Manager – Organizational Effectiveness  
Brunswick Steam Electric Plant

AD47  
NR

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WRM/wrm

Enclosure: Form OAR-1 Owner's Activity Report for B119R1

cc (with enclosure):

U. S. Nuclear Regulatory Commission, Region II  
ATTN: Mr. Victor M. McCree, Regional Administrator  
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U. S. Nuclear Regulatory Commission  
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U. S. Nuclear Regulatory Commission **(Electronic Copy Only)**  
ATTN: Mrs. Farideh E. Saba (Mail Stop OWFN 8G9A)  
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Mr. Jack M. Given, Jr., Bureau Chief  
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BSEP 12-0086  
Enclosure

Form OAR-1 Owner's Activity Report  
for B119R1

## Form OAR-1 OWNER'S ACTIVITY REPORT

Report Number: B119R1

Plant: Brunswick Steam Electric Plant

Unit No.: 1 Commercial Service Date: March 1977 Refueling Outage No.: B119R1

Current Inspection Interval: Fourth

Current Inspection Period: Second Period of the Fourth Interval

Edition and Addenda of Section XI applicable to the inspection plans: 2001 edition with 2003 addenda

Date and Revision of Inspection Plans: Fourth Interval Revision 0 9/21/2011

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

Code Cases used: N-532-4, N-460, 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 B119R1 conform to the requirements of Section XI. (Refueling Outage Number)

Signed: John D. Becker

Owner or Owner's Designee, Title

SUPERVISOR ENGINEERING PROGRAMS

Date: 7/20/12

### 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 HSB GLOBAL STANDARDS of HARTFORD CT have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report 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 repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Paul Arnett  
Inspector's Signature

Commissions

NB 13399

NC 1559

A, N, I

National Board, State, Province, and Endorsements

Date: 24 Jul 2012

# FORM OAR-1 OWNER'S ACTIVITY REPORT

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

Examination Category and Item Number	Item Description	Evaluation Description
None		

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

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
1	1-B21-F022C	Install guide pad	4/13/2012	1316498-01
1	1-B21-F022D	Install guide pad	4/13/2012	1490273-01
1	1-E51-3-4-901	Replace elbow for FAC	3/8/2012	1531102-01
2	1-RCC-V52	Replace Bonnet Bolting	3/30/10	1559416-01
1	1-G31-F039	Replaced valve	4/9/12	1670204-01
2	1-C11-LSH-4516D	Replace instrument	3/19/12	1721085-02
2	1-C11-125(22-31) CRD Accumulator	Replace Accumulator	10/9/2010	1724217-01
1	1-G31-F001	Replace Disk	4/12/2012	1727943-01
1	1-E11-F009	Replace Disk	3/20/2012	1773749-01
1	1-B21-F001/002	Replace valve	4/7/2012	1789478-01
1	1-B21-F008	Replace Valve	4/12/2012	2050038-17