UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

February 15, 2011

Mr. Michael J. Annacone
Vice President
Carolina Power and Light Company
Brunswick Steam Electric Plant
P.O. Box 10429
Southport, NC 28461-0429

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT, UNIT 2 - NOTIFICATION OF INSPECTION AND REQUEST FOR INFORMATION

Dear Mr. Annacone:

From March 14 – 18, 2011, the NRC will perform the baseline in-service inspection (ISI) at the Brunswick Steam Electric Plant, Unit 2 (NRC Inspection Procedure 71111.08). Experience has shown that this inspection is resource intensive both for the NRC inspectors and your staff. In order to minimize the impact to your on-site resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. These documents have been divided into two groups. The first group (section A of the enclosure) identifies information to be provided prior to the inspection to ensure that the inspectors are adequately prepared. The second group (section B of the enclosure) identifies the information the inspectors will need upon arrival at the site. It is important that all of these documents are up to date and complete in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be William Murray of your organization. Our inspection dates are subject to change based on your updated schedule of outage activities. If there are any questions about this inspection or the material requested, please contact the lead inspector Robert Williams Jr. at (404) 997-4664 (Robert.Williams@nrc.gov).

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system

(ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Sincerely,

/RA: Cecil Fletcher for/

Mark E. Franke, Chief
Engineering Branch 3
Division of Reactor Safety

Docket Nos . 50-324
License Nos. DPR-62

Enclosure: Information Request for Brunswick Nuclear Power Plant

cc w/encl: See page 3

cc w/encl:

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INSERVICE INSPECTION DOCUMENT REQUEST

Inspection Dates: March 14 – 18, 2011

Inspection Procedures: IP 71111.08 "In-Service Inspection (ISI) Activities"

Inspectors: Robert Williams Jr., Reactor Inspector

A. Information Requested for the In-Office Preparation Week

The following information should be sent to the Region II office in hard copy or electronic format (CD preferred), in care of Robert Williams Jr. by March 7, 2011, to facilitate the selection of specific items that will be reviewed during the onsite inspection week. The inspector will select specific items from the information requested below and then request from your staff additional documents needed during the onsite inspection week (section B of this enclosure). We ask that the specific items selected from the lists be available and ready for review on the first day of inspection. *Please provide requested documentation electronically if possible. If requested documents are large and only hard copy formats are available, please inform the inspector, and provide subject documentation during the first day of the onsite inspection. If you have any questions regarding this information request, please call the inspector as soon as possible.

A.1 ISI / Welding Programs and Schedule Information

a) A detailed schedule (including preliminary dates) of:

i) Nondestructive examinations (NDEs) planned for Class 1 & 2 systems and containment, performed as part of your ASME Section XI, Risk Informed (if applicable), and augmented ISI Programs (e.g. Vessel Internals) during the upcoming outage.

Provide a status summary of the NDE inspection activities versus the required inspection period percentages for this Interval by category per ASME Section XI, IWX-2400 (Do not provide separately if other documentation requested contains this information).

ii) Examinations planned for Alloy 82/182/600 welds/components that are not included in the Section XI scope (If applicable).

iii) Welding activities that are scheduled to be completed during the upcoming outage (ASME Class 1, 2, or 3 structures, systems, or components (SSCs)).

b) A copy of ASME Section XI Code Relief Requests and associated NRC Safety Evaluations applicable to the examinations identified above.

c) A list of NDE reports (ultrasonic, radiography, magnetic particle, dye penetrant, visual VT-1, VT-2, and VT-3) which have identified recordable indications (geometric or flaw) on Code Class 1 & 2 systems since the beginning of the last refueling outage. This should include the previous Section XI pressure test(s) conducted during start up and any evaluations associated with the results of the pressure tests. The list of NDE reports should include a brief description of the SSC where the recordable indication was identified.

d) A list with a brief description (e.g. system, material, pipe size, weld number, and NDE performed) of the welds in Code Class 1 and 2 systems which have been fabricated due to component repair/replacement activities since the beginning of the last refueling outage, or are planned to be fabricated this refueling outage.

e) If reactor vessel weld examinations required by the ASME Code are scheduled to occur during the upcoming outage, provide a detailed description of the welds to be examined, and the extent of the planned examination. Please also provide reference numbers for applicable procedures that will be used to conduct these examinations.

f) Copy of any 10 CFR Part 21 reports applicable to your SSCs within the scope of Section XI of the ASME Code that have been identified since the beginning of the last refueling outage.

g) A list of any temporary non-code repairs in service (GL 90-05 or code case N-513-1).

h) Copies of the most recent self assessments for the ISI and Welding programs.

i) A list with a brief description of ISI related issues (e.g. condition reports) entered into your corrective action program since the beginning of the last refueling outage (for Unit 1). For example, a list based upon data base searches using key words such as: ISI, ASME Code, Section XI, NDE, welding, cracks, wear, thinning, leakage, rust, corrosion, or errors in piping examinations.

j) Please provide names and phone numbers for the following program leads:

ISI contacts (Examination, planning)
Containment Exams
Snubbers and Supports
Repair and Replacement Program Manager
Licensing Contact
Site Welding Engineer

B. Information to be provided on-site to the inspector at the entrance meeting (March 14, 2011):

B.1 ISI / Welding Programs and Schedule Information

a) Updated schedules for ISI/NDE activities, planned welding activities, and schedule showing contingency repair plans, if available.
b) For ASME Class 1 and 2 welds selected by the inspector from the lists provided

from section A of this enclosure, please provide copies of the following documentation for each subject weld:

i) Weld data sheet (traveler)
ii) Weld configuration and system location
iii) Applicable Code Edition and Addenda for weldment
iv) Applicable Code Edition and Addenda for welding procedures
v) Applicable weld procedures (WPS) used to fabricate the welds
vi) Copies of procedure qualification records (PQRs) supporting the WPS from B.1.b.v
vii) Copies of mechanical test reports identified in the PQRs above
viii) Copies of the nonconformance reports for the selected welds (If Applicable)
ix) Radiographs of the selected welds and access to equipment to allow viewing radiographs (If RT was performed)
x) Copies of the pre-service examination records for the selected welds.
xi) Copies of welder performance qualifications records applicable to WPS, including documentation that welder maintained proficiency in the applicable welding processes specified in the WPS (At least six months prior to date subject work)
xii) Copies of NDE personnel qualifications (VT, PT, UT, RT) *As applicable*

c) For the ISI related corrective action issues selected by the inspector from section A of this enclosure, provide a copy of the corrective actions and supporting documentation.

d) For the NDE reports with recordable indications on Code Class 1 & 2 systems selected by the inspector from Section A above, provide a copy of the examination records, examiner qualification records, and associated corrective action documents.

e) A copy of (or ready access to) the most current revision of the ISI Program Manual and Plan for the current Interval.

f) For the NDEs selected by the inspector from section A of this enclosure, provide copy of the NDE procedures used to perform the examinations (including calibration and flaw characterization/sizing procedures). For ultrasonic examination procedures qualified in accordance with ASME Code, Section XI, Appendix VIII, provide documentation supporting the procedure qualification (e.g. the EPRI performance demonstration qualification summary sheets). Also, include documentation of the specific equipment to be used (e.g. ultrasonic unit, cables, and transducers including serial numbers) and NDE personnel qualification records.

g) Ready access to (i.e. copies provided to the inspector for use during the on-site inspection, or room number and location where available): Applicable editions of the ASME Code (Sections V, IX and XI) for the in-service inspection and repair/replacement programs.

Inspector Contact Information:
Robert Williams
Reactor Inspector
404-997-4664
Robert.Williams@nrc.gov

Mailing Address:
US NRC Region 2
Attn: Robert Williams
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Atlanta, GA. 30303-4000

Letter to Michael J. Annacone from Mark E. Franke dated February 15, 2011.

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Distribution w/encl:
RIDSNRRDIRS
PUBLIC
RidsNrrPMBrunswick Resource

X PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE ☐ NON-SENSITIVE

ADAMS: ☐ Yes ACCESSION NUMBER: ML110460190

OFFICE	RII-DRS	RII-DRP	RII-DRS				
SIGNATURE	**RA**	**RA**	**RA:CF**				
NAME	**RWilliams**	**RMusser**	**MFranke**				
DATE	02/ 14 /2011	2/ 15 /2011	2/ 15 /2011				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRS\ENG BRANCH 3\ISI REQUEST FOR INFORMATION LETTERS\2011\BRUNSWICK U2 ISI 2011002 RFI REW.DOC