

April 15, 2004

Mr. J. W. Moyer, Vice President
Carolina Power & Light Company
H. B. Robinson Steam Electric Plant,
Unit No. 2
3581 West Entrance Road
Hartsville, South Carolina 29550

SUBJECT: H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 - UPCOMING STEAM
GENERATOR TUBE INSERVICE INSPECTION

Dear Mr. Moyer:

Inservice inspections (ISIs) of steam generator (SG) tubes play a vital role in assuring that adequate structural integrity of the tubes is maintained. As required by the plant Technical Specifications, reporting requirements range from submitting a special report within 15 days following completion of each ISI of SG tubes that identifies the number of tubes plugged and/or repaired, to submitting a special report within 12 months following completion of the inspection that provides complete results of the SG tube ISI. The special report containing the complete results shall include the following:

1. Number and extent of tubes inspected;
2. Location and percent of wall-thickness penetration for each indication of an imperfection; and
3. Identification of tubes plugged and/or repaired.

A phone conference will be arranged with members of your staff to discuss the results of the SG tube inspections to be conducted during the upcoming refueling outage at H. B. Robinson Steam Electric Plant, Unit No. 2. This phone call will occur after the majority of the tubes have been inspected but before the SG inspection activities have been completed. Enclosed is a list of discussion points to facilitate this phone conference.

The NRC staff plans to document a brief summary of the conference call as well as any material that you may have provided to the staff in support of the call.

Sincerely,

/RA/

Chandu P. Patel, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-261

Enclosure: List of Discussion Points

cc w/encl: See next page

Mr. J. W. Moyer, Vice President
Carolina Power & Light Company
H. B. Robinson Steam Electric Plant,
Unit No. 2
3581 West Entrance Road
Hartsville, South Carolina 29550

April 15, 2004

SUBJECT: H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 - UPCOMING STEAM GENERATOR TUBE INSERVICE INSPECTION

Dear Mr. Moyer:

Inservice inspections (ISIs) of steam generator (SG) tubes play a vital role in assuring that adequate structural integrity of the tubes is maintained. As required by the plant Technical Specifications, reporting requirements range from submitting a special report within 15 days following completion of each ISI of SG tubes that identifies the number of tubes plugged and/or repaired, to submitting a special report within 12 months following completion of the inspection that provides complete results of the SG tube ISI. The special report containing the complete results shall include the following:

1. Number and extent of tubes inspected;
2. Location and percent of wall-thickness penetration for each indication of an imperfection; and
3. Identification of tubes plugged and/or repaired.

A phone conference will be arranged with members of your staff to discuss the results of the SG tube inspections to be conducted during the upcoming refueling outage at H. B. Robinson Steam Electric Plant, Unit No. 2. This phone call will occur after the majority of the tubes have been inspected but before the SG inspection activities have been completed. Enclosed is a list of discussion points to facilitate this phone conference.

The NRC staff plans to document a brief summary of the conference call as well as any material that you may have provided to the staff in support of the call.

Sincerely,

/RA/

Chandu P. Patel, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-261

Enclosure: List of Discussion Points

cc w/encl: See next page

DISTRIBUTION:

PUBLIC	CPatel	ACRS	WBurton	MMurphy
PDII-2 Reading	EDunnington	PFredrickson, RII	OGC	

Adams Accession No. ML041060675

OFFICE	PM:PDII/S2	LA:PDII/S2	SC:PDII/S2		
NAME	CPatel	EDunnington	WBurton (A)		
DATE	4/15/04	4/15/04	4/15/04		

OFFICIAL RECORD COPY

STEAM GENERATOR TUBE INSPECTION DISCUSSION POINTS

PREPARED BY THE OFFICE OF NUCLEAR REACTOR REGULATION

CAROLINA POWER & LIGHT COMPANY

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

DOCKET NO. 50-261

The following discussion points have been prepared to facilitate the phone conference arranged with the Carolina Power & Light Company to discuss the results of the steam generator (SG) tube inspections to be conducted during the upcoming refueling outage at H. B. Robinson Steam Electric Plant, Unit No. 2. This phone call will be arranged towards the end of the planned SG tube inspection interval but before the unit exits its refueling outage.

The NRC staff plans to document a brief summary of the conference call as well as any material that you may have provided to the staff in support of the call.

1. Discuss whether any primary-to-secondary leakage existed in this unit prior to shutdown.
2. Discuss the results of secondary side pressure tests.
3. For each SG, provide a description of areas examined, including the expansion criteria utilized and type of probe used in each area. Also, be prepared to discuss your inspection of the tube within the tubesheet, particularly the portion of the tube below the expansion/transition region.
4. Discuss any exceptions taken to the industry guidelines.
5. Provide a summary of the number of indications identified to-date of each degradation mode and SG tube location (e.g., tube support plate, top-of-tubesheet, etc.). Also provide information such as voltages and estimated depths and lengths of the most significant indications.
6. Describe repair/plugging plans for the SG tubes that meet the repair/plugging criteria.
7. Discuss the previous history of SG tube inspection results, including any "look backs" performed, specifically for significant indications or indications where look backs are used in support of dispositioning (e.g., manufacturing burnish marks).
8. Discuss, in general, new inspection findings (e.g., degradation mode or location of degradation new to this unit).
9. Discuss your use or reliance on inspection probes (eddy current or ultrasonic) other than bobbin and typical rotating probes, if applicable.
10. Describe in-situ pressure test plans and results, if applicable and available, including tube selection criteria.

Enclosure

11. Describe tube pull plans and preliminary results, if applicable and available; include tube selection criteria.
12. Discuss the assessment of tube integrity for the previous operating cycle (i.e., condition monitoring).
13. Provide the schedule for SG-related activities during the remainder of the current outage.
14. Discuss the following regarding loose parts:
 - what inspections are performed to detect loose parts
 - a description of any loose parts detected and their location within the SG
 - if the loose parts were removed from the SG
 - indications of tube damage associated with the loose parts
 - the source or nature of the loose parts if known
15. SGs containing thermally treated tubing (Alloy 600 or 690). Discuss actions taken (if any) based on Seabrook's recent findings (Reference Information Notice 2002-21).

Mr. J. W. Moyer
Carolina Power & Light Company

H. B. Robinson Steam Electric Plant,
Unit No. 2

cc:

Steven R. Carr
Associate General Counsel - Legal
Department
Progress Energy Service Company, LLC
Post Office Box 1551
Raleigh, North Carolina 27602-1551

Mr. C. T. Baucom
Supervisor, Licensing/Regulatory Programs
H. B. Robinson Steam Electric Plant,
Unit No. 2
Carolina Power & Light Company
3581 West Entrance Road
Hartsville, South Carolina 29550

Ms. Margaret A. Force
Assistant Attorney General
State of North Carolina
Post Office Box 629
Raleigh, North Carolina 27602

Ms. Beverly Hall, Section Chief
N.C. Department of Environment
and Natural Resources
Division of Radiation Protection
3825 Barrett Dr.
Raleigh, North Carolina 27609-7721

U. S. Nuclear Regulatory Commission
Resident Inspector's Office
H. B. Robinson Steam Electric Plant
2112 Old Camden Road
Hartsville, South Carolina 29550

Mr. Robert P. Gruber
Executive Director
Public Staff - NCUC
4326 Mail Service Center
Raleigh, North Carolina 27699-4326

Mr. T. P. Cleary
Plant General Manager
H. B. Robinson Steam Electric Plant,
Unit No. 2
Carolina Power & Light Company
3581 West Entrance Road
Hartsville, South Carolina 29550

Mr. Henry H. Porter, Assistant Director
South Carolina Department of Health
Bureau of Land & Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Mr. Chris L. Burton
Director of Site Operations
H. B. Robinson Steam Electric Plant,
Unit No. 2
Carolina Power & Light Company
3581 West Entrance Road
Hartsville, South Carolina 29550

Mr. James W. Holt
Manager
Performance Evaluation and
Regulatory Affairs PEB 7
Progress Energy
Post Office Box 1551
Raleigh, North Carolina 27602-1551

Public Service Commission
State of South Carolina
Post Office Drawer 11649
Columbia, South Carolina 29211

Mr. John H. O'Neill, Jr.
Shaw, Pittman, Potts, & Trowbridge
2300 N Street NW.
Washington, DC 20037-1128

J. F. Lucas
Manager - Support Services - Nuclear
H. B. Robinson Steam Electric Plant,
Unit No. 2
Carolina Power & Light Company
3581 West Entrance Road
Hartsville, South Carolina 29550