

September 16, 2003

Mr. Mark E. Warner, Site Vice President  
c/o James M. Peschel  
Seabrook Station  
FPL Energy Seabrook, LLC  
PO Box 300  
Seabrook, NH 03874

SUBJECT: SEABROOK STATION, UNIT NO. 1 - UPCOMING STEAM GENERATOR TUBE  
INSERVICE INSPECTION (TAC NO. MC0721)

Dear Mr. Warner:

Inservice inspections (ISIs) of steam generator (SG) tubes play a vital role in ensuring that adequate structural integrity of the tubes is maintained. As required by the plant's 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.

A phone conference will be arranged with members of your staff to discuss the ongoing results of the SG tube inspections to be conducted during the upcoming Seabrook Station, Unit No. 1 refueling outage. We would like to have this phone conference after the majority of the tubes have been inspected, but before the SG inspection activities have been completed. The preferable time would be when the SG inspection is approximately 70% complete. Enclosed is a list of discussion points to facilitate this phone conference. The 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/**

Victor Nerses, Senior Project Manager, Section 2  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docker No. 50-443

Enclosure: As stated

cc w/encl: See next page

Seabrook Station, Unit No. 1

cc:

Mr. J. A. Stall  
Senior Vice President, Nuclear and  
Chief Nuclear Officer  
Florida Power & Light Company  
P.O. Box 14000  
Juno Beach, FL 33408-0420

Mr. Peter Brann  
Assistant Attorney General  
State House, Station #6  
Augusta, ME 04333

Resident Inspector  
U.S. Nuclear Regulatory Commission  
Seabrook Nuclear Power Station  
P.O. Box 1149  
Seabrook, NH 03874

Town of Exeter  
10 Front Street  
Exeter, NH 03823

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Office of the Attorney General  
One Ashburton Place, 20th Floor  
Boston, MA 02108

Board of Selectmen  
Town of Amesbury  
Town Hall  
Amesbury, MA 01913

Mr. Dan McElhinney  
Federal Emergency Management Agency  
Region I  
J.W. McCormack P.O. &  
Courthouse Building, Room 401  
Boston, MA 02109

Mr. Jack Devine  
Polestar Applied Technology  
One First Street, Suite 4  
Los Altos, CA 94019

Mr. Stephen McGrail, Director  
ATTN: James Muckerheide  
Massachusetts Emergency Management Agency  
400 Worcester Road  
Framingham, MA 01702-5399

Philip T. McLaughlin, Attorney General  
Steven M. Houran, Deputy Attorney  
General  
33 Capitol Street  
Concord, NH 03301

Mr. Donald Bliss, Director  
New Hampshire Office of Emergency  
Management  
State Office Park South  
107 Pleasant Street  
Concord, NH 03301

Mr. Daniel G. Roy  
Nuclear Training Manager  
Seabrook Station  
FPL Energy Seabrook, LLC  
P.O. Box 300  
Seabrook, NH 03874

Mr. Gene F. St. Pierre  
Station Director  
Seabrook Station  
FPL Energy Seabrook, LLC  
P.O. Box 300  
Seabrook, NH 03874

Mr. M. S. Ross, Attorney  
Florida Power & Light Company  
P.O. Box 14000  
Juno Beach, FL 33408-0420

Mr. Rajiv S. Kundalkar  
Vice President - Nuclear Engineering  
Florida Power & Light Company  
P.O. Box 14000  
Juno Beach, FL 33408-0420

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Sincerely,

/RA/

Victor Nerses, Senior Project Manager, Section 2  
Project Directorate I  
Division of Licensing Project Management  
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J. Clifford      V. Nerses      LLund      PDI-2 Reading

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\*See previous concurrence

OFFICE	PDI-2/PM	PDI-2/LA	EMCB/SC*	PDI-2/SC
NAME	VNerses	CRaynor	LLund	JClifford
DATE	9/16/03	9/16/03	9/12/03	9/16/03

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## STEAM GENERATOR TUBE INSPECTION DISCUSSION POINTS

### PREPARED BY THE OFFICE OF NUCLEAR REACTOR REGULATION

#### FPL ENERGY SEABROOK, LLC

#### SEABROOK STATION, UNIT NO. 1

#### DOCKET NO. 50-443

The following discussion points have been prepared to facilitate the phone conference to be arranged with the North Atlantic Energy Service Corporation, the licensee, to discuss the results of the steam generator (SG) tube inspections to be conducted during the upcoming Seabrook Station, Unit No. 1 refueling outage. This phone conference will be scheduled to occur towards the end of the planned SG tube inspection interval, but before the unit exits its refueling outage.

The 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 the 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.

11. Describe tube pull plans and preliminary results, if applicable and available; including 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