

March 23, 2001

Mr. S. K. Gambhir
Division Manager - Nuclear Operations
Omaha Public Power District
Fort Calhoun Station FC-2-4 Adm.
Post Office Box 399
Hwy. 75 - North of Fort Calhoun
Fort Calhoun, NE 68023-0399

SUBJECT: FORT CALHOUN STATION, UNIT NO. 1 - UPCOMING STEAM GENERATOR
TUBE IN-SERVICE INSPECTION

Dear Mr. Gambhir:

In-service inspections (ISIs) of steam generator (SG) tubes play a vital role in assuring that adequate structural integrity of the SG tubes is maintained. As required by the plant's technical specifications, reporting requirements range from submitting a special report, within 30 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 6 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 and tube sleeves inspected.
2. Location and percent of wall-thickness penetration for each imperfection.
3. Identification of tubes plugged.
4. Identification of tubes repaired by sleeving.

A telephone conference has been arranged with members of your staff to discuss the ongoing results of the SG tube inspections to be conducted during the current Fort Calhoun Station, Unit 1 refueling outage. 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.

It is the staff's expectation that any significant results discussed during the phone conference, as well as any materials provided by your staff to assist us during the phone conference in the

Mr. S. K. Gambhir

-2-

March 23, 2001

understanding of the SG tube results, will be included in one of the special reports required by the plant TSs.

Sincerely,
/RA/

L. Raynard Wharton, Project Manager, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-285

Enclosure: List of Discussion Points

cc w/encl: See next page

understanding of the SG tube results, will be included in one of the special reports required by the plant TSs.

Sincerely,

/RA/

L. Raynard Wharton, Project Manager, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-285

Enclosure: List of Discussion Points

cc w/encl: See next page

DISTRIBUTION:

PUBLIC

PDIV-2 R/F

RidsNrrDlpmLpdiv (SRichards)

RidsRgn4MailCenter (CMarshall)

RidsOgcRp

RidsAcrsAcnwMailCenter

RidsNrrPMRWharton

RidsNrrLAEPeyton

ESullivan (RidsNrrDeEmcb)

Accession No: ML010820476

OFFICE	PDIV-2/PM	PDIV-2/LA	EMCB/SC	PDIV-2/SC
NAME	RWharton:am	EPeyton	ESullivan	SDembek
DATE	3/23/01	3/22/01	3/23/01	3/23/01

Ft. Calhoun Station, Unit 1

cc:

Winston & Strawn
ATTN: James R. Curtiss, Esq.
1400 L Street, N.W.
Washington, DC 20005-3502

Mr. Jack Jensen, Chairman
Washington County Board
of Supervisors
Blair, NE 68008

Mr. Wayne Walker, Resident Inspector
U.S. Nuclear Regulatory Commission
Post Office Box 309
Fort Calhoun, NE 68023

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

Mr. John Fassell, LLRW Program Manager
Health and Human Services
Regulation and Licensure
Consumer Health Services
301 Centennial Mall, South
P. O. Box 95007
Lincoln, Nebraska 68509-5007

Mr. Richard P. Clemens
Manager - Fort Calhoun Station
Omaha Public Power District
Fort Calhoun Station FC-1-1 Plant
Post Office Box 399
Hwy. 75 - North of Fort Calhoun
Fort Calhoun, NE 68023

Mr. Mark T. Frans
Manager - Nuclear Licensing
Omaha Public Power District
Fort Calhoun Station FC-2-4 Adm.
Post Office Box 399
Hwy. 75 - North of Fort Calhoun
Fort Calhoun, NE 68023-0399

STEAM GENERATOR TUBE INSPECTION DISCUSSION POINTS

Licensees' steam generator (SG) tube eddy current (EC) inspections play a vital role in the management of SG tube degradation. The results are used to demonstrate adequate structural and leakage integrity of the SG tubes.

In addition to the traditional areas of discussion listed below, the staff is also interested in having you discuss and describe any actions taken in response to the Indian Point 2 (IP2) lessons learned.

Typical areas of discussion include:

- Primary-to-secondary leakage prior to shutdown
- Results of secondary side hydro
- For each SG, a general description of areas examined; include expansion criteria and specify type of probe used in each area
- For analyzed EC results, describe bobbin indications (those not examined with rotating pancake coil (RPC) and RPC/Plus Point/Cecco indications. Include the following information: location, number, degradation mode, disposition, and voltages/depths/lengths of most significant indications.
- Description of repair/plugging plans
- Discussion of previous history; "look backs" performed; consideration of similar plants' experiences
- Discussion of new inspection findings, including loose parts indications
- Description of in-situ pressure test plans and results; include tube selection criteria, test pressure plans, test configuration
- Describe tube pull plans and preliminary results; include tube selection criteria and evaluation plans
- Assessment of tube integrity for previous operating cycle
- Assessment of tube integrity for next operating cycle
- Provide schedule for SG related activities during remainder of current outage

ENCLOSURE

- Discuss what steps have been taken, or will be taken, in response to the lessons learned from the IP2 tube failure. In addition, please be prepared to discuss the following:
 - a. Discuss the actions that are taken in response to identifying a new degradation mechanism, and
 - b. Discuss the actions taken to ensure that data noise levels are acceptable, and
 - c. Address data quality issues and the need for criteria to address data quality.

Note: It may facilitate the discussion if Omaha Public Power District provides details on the topics listed above prior to the conference call (e.g., simple tables and figures).