

JUN 5 1984

In Reply Refer To:
Docket: 50-285

Omaha Public Power District
ATTN: W. C. Jones, Division Manager
Production Operations
1623 Harney Street
Omaha, Nebraska 68102

Gentlemen:

Following the failure of a steam generator tube during hydrostatic testing on May 16, 1984, at the Fort Calhoun Station, a series of discussions were held with the NRC staff regarding steam generator tube examinations and conditions for restart of the plant. At a meeting on May 29, 1984, with the NRC staff, the District presented the available information, outlined the District's commitments, and set forth the plans for return to power operation. The information presented at the May 29, 1984, meeting was subsequently documented in the District's letter (LIC-84-160), dated May 31, 1984, to the NRC Region IV. A similar letter (LIC-84-159), dated May 31, 1984, was also sent to NRR.

We have reviewed your letters of May 31, 1984, and have further considered the proposed conditions and circumstances for return to power operation. On June 1, 1984, a meeting was held between Messrs. Miller, Jones, and Andrews of Omaha Public Power District (OPPD) and Messrs. Collins, Denise, Johnson, Tomlinson, and Miller of the NRC staff. At that meeting, we advised you that the program outlined in the OPPD letters of May 31, 1984, required some modification and augmentation to be acceptable to the NRC staff. The purpose of this letter is to confirm those actions and conditions required of OPPD as set forth by the NRC staff at the June 1, 1984, meeting. These requirements and conditions are:

1. OPPD will perform eddy current testing of all tubes in steam generators A and B which are accessible with the remote probe insertion machine.

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

RPB1/A <i>JP</i>	NRR <i>ET</i>	RPB2 <i>EH</i>	EO <i>TF</i>	DRSP <i>RP</i>	RA-RTV <i>JTC</i>
JPJaudon:jc	ETourginy	EHJohnson	TFWesterman	RPDenise	JTCollins
6/5/84	6/5/84	6/5/84	6/5/84	6/5/84	6/5/84

by telecon

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2. OPPD will complete evaluation, with independent verification, of the results of the eddy current testing, including the profilometry testing of steam generator tubes performed during the current outage.
3. OPPD will prepare a safety evaluation covering the tube failure event and subsequent evaluations of tube integrity. The safety evaluation should identify the failure cause, provide an evaluation of current data and trends, set forth the basis for any conclusion that the tube failure of May 16, 1984, is an isolated event, and establish why it is safe to return the Fort Calhoun Station to power operation until the next scheduled outage.
4. OPPD will maintain the Fort Calhoun Station in the present condition (Mode 5) until after NRC approval. The primary augmentation in our direction compared to your proposal relates to the number of tubes to be tested, a possible meeting with the NRC staff to discuss results, and keeping the plant in Mode 5 until after that meeting.

Other conditions and commitments set forth in your letters of May 31, 1984, remain in effect. Areas include review of tube rupture emergency procedures to reconfirm adequacy, refresher training of licensed personnel in the emergency procedure, interim leakage restrictions, and internal frequency of sampling for detection of leakage. Regarding a meeting between OPPD and NRC, if necessary, OPPD should be prepared to specify the internal sampling frequency. In addition, OPPD should be prepared to describe in detail the expected sensitivity of leak detection using boron as the identifier, and should set forth the leakage detection capabilities using radioactive species as a function of time after restart.

We recognize that OPPD has already devoted a significant amount of effort in pursuit of resolution in this matter, has performed a large amount of examination and evaluations, and has made commitments to continue to give close attention to steam generator tubes. We appreciate OPPD's continuing commitment to safe operation of the Fort Calhoun Station.

Omaha Public Power District

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If you have any questions related to the NRC requirements, please contact the NRC Project Manager, Mr. E. Tourigny at (301)492-7110.

Sincerely,

Original signed by
John T. Collins

John T. Collins
Regional Administrator

cc:

W. G. Gates, Manager
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