

DMB

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

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April 25, 1988

Dr. J. Nelson Grace, Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, GA 30323

Subject: McGuire Nuclear Station
Catawba Nuclear Station
Docket Nos. 50-369 and 50-370; 50-413 and 50-414
NRC Bulletin No. 88-02
Rapidly Propagating Fatigue Cracks in
Steam Generator Tubes

Gentlemen:

NRC Bulletin 88-02 requested that Westinghouse designed nuclear power reactors with steam generators having carbon steel support plates implement actions specified therein to minimize the potential for a steam generator tube rupture event caused by a rapidly propagating fatigue crack such as occurred at North Anna Unit 1 on July 15, 1987. The bulletin requested that a report detailing the status of compliance with the specified actions (including an appropriate schedule for completion of the analyses described under Item C, if applicable) be submitted within 45 days following receipt of the bulletin, with additional results/commitments/descriptions to be submitted if necessary in accordance with provisions outlined in Action Items A, B, and C.2.

My letter of April 25, 1988 in response to the bulletin for the McGuire and Catawba Nuclear Stations stated that a preliminary evaluation of the requirements of Bulletin 88-02 (Items A, B, and C) indicated that Items A and C would be implemented, but that Duke Power Company was unable at that time to establish firm dates for the completion of the work (the requested report was consequently delayed until April 25, 1988).

Accordingly, please find attached a schedule for completion of the actions identified in bulletin Items A and C for McGuire Units 1 and 2 and Catawba Unit 1 (note that as indicated in the April 25th response the bulletin is for information only with respect to Catawba Unit 2). The reason the target dates identified on the attached schedule are identical for completion of Actions 2.c, 2.d, 3, and 4 is that these dates represent the end of the respective unit's refueling outages during which the actions will be performed, rather than trying to give specific dates during the outages when the various actions would be performed (i.e. all of those actions are to be done by the end of the outage).

As indicated on the attached schedule, the eddy current data review for assessment of AVB locations on McGuire Unit 2 is complete. However, Westinghouse has deter-

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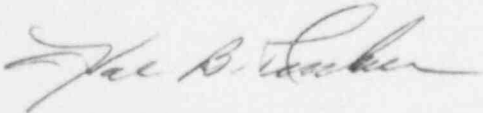
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mined that the data is insufficient to allow reliable projections of AVB penetration. Therefore, additional data will be acquired during the upcoming McGuire Unit 2 refueling outage (scheduled to start May 27, 1988). Although the McGuire Unit 1 data has not been reviewed by Westinghouse to date, it is expected that additional data acquisition will also be required during the next McGuire Unit 1 refueling outage. It should be noted that the target dates identified on the attached schedule for completion of the stability ratio analysis and the repair of affected tubes are dependent upon acquisition and evaluation of the required data during the refueling outage. If these items are not completed as shown, Duke will advise the NRC of the status and any scheduled revisions within one month following outage completion (the next scheduled refueling outage dates are 7-13-89/2-5-90/1-2-90 for MNS U2, MNS U1, and CNS U1 respectively). As a result, submittal of the detailed report (Action 5.b) and NRC acceptance (Action 6) may also be delayed.

I declare under penalty of perjury that the statements set forth herein are true and correct to the best of my knowledge. Should there be any questions concerning this matter or if additional information is required, please advise.

Very truly yours,



Hal B. Tucker

PBN/87/jgc

Attachment

xc: U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Mr. Darl Hood
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. W.T. Orders
NRC Resident Inspector
McGuire Nuclear Station

Dr. K.N. Jabbour
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. P.K. Van Doorn
NRC Resident Inspector
Catawba Nuclear Station

DUKE POWER COMPANY
 McGUIRE AND CATAWBA NUCLEAR STATIONS
 SCHEDULE FOR COMPLETION OF BULLETIN 88-02 ACTIONS

<u>ACTION</u>	<u>BULLETIN ITEM</u>	<u>SCHEDULED MNS2/MNS1/CNS1</u>
1. ENHANCED LEAKAGE MONITORING PROGRAM	C1	6-24-88
2. REVIEW OF ECT DATA		
a. EVIDENCE OF DENTING	A	5-16-88/5-30-88/6-27-88
b. PRELIMINARY ASSESSMENT OF AVB DEPTH OF PENETRATION AND FLOW PEAKING EFFECTS	C.2.b	COMPLETE/5-23-88/6-20-88
c. ACQUISITION OF ADDITIONAL DATA AS REQUIRED		7-26-88/12-23-88/1-26-89
d. FINAL ASSESSMENT OF AVB LOCA- TIONS AND FLOW PEAKING EFFECTS	C.2.b	7-26-88/12-23-88/1-26-89
3. REPAIR CRITERION (AFFECTED TUBES)	C.2	7-26-88/12-23-88/1-26-89
4. STABILITY RATIO ANALYSIS	C.2.A	7-26-88/12-23-88/1-26-89
5. REPORT TO NRC		
a. Plan		4-25-88 (COMPLETE)
b. Details		8-15-88/1-16-89/2-20-89
6. NRC ACCEPTANCE		10-15-88/3-15-89/4-15-89