NOV 04 1976

Docket Nos. 50-438
and 50-439

MEMORANDUM FOR: Olan D. Parr, Chief, Light Water Reactors Branch #3, DPM

FROM: W. J. Pike, Project Manager, Light Water Reactors Branch #3, DPM

SUBJECT: FORTHCOMING MEETING WITH VIRGINIA ELECTRIC AND POWER COMPANY (VEPCO) TO DISCUSS LOADS ON REACTOR INTERNAL COMPONENTS DURING A LOCA:

TIME AND DATE: 1:00 P.M., Thursday, November 11, 1976

LOCATION: Room P-110, Phillips Building
Bethesda, Maryland

PURPOSE: VEPCO and Westinghouse want to discuss questions (attached) we have sent out on the North Anna docket related to fuel element loading during a LOCA.

PARTICIPANTS:

NRC

J. Knight
R. Bosnak
K. Desai
P. Check
R. Meyer
S. Kim
C. Trammell
O. Parr
A. Dromerick
W. Pike

VEPCO

W. Bennett, et al.

/S/

W. J. Pike, Project Manager
Light Water Reactors Branch No. 3
Division of Project Management

memo 4

Enclosure:
Request for Additional Information

OFFICE			LWR3			
SURNAME			WPike:ak			
DATE			11/4/76			

Form AEC-318 (Rev. 9-53) AECM 0240

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ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION

NORTH ANNA POWER STATION UNITS 1 AND 2

DOCKET NOS. 50-338 AND 50-339

5.00 REACTOR COOLANT SYSTEM

5.78 Your response to our Requests for Additional Information 5.71 and 5.75 concerning fuel element loading during a LOCA was not sufficient to allow us to complete our review. Therefore, provide the following information:

(1) Identify the controlling break location for the response of each of the reactor internal components.

(2) Provide the results of the analysis performed for each break location which resulted in the identification of each controlling break concluded in (1) above.

(3) Demonstrate that a break outside the reactor cavity of greater flow area than the 58 square inch break at the reactor vessel cold leg nozzle will not govern the response of the reactor internal components.

(4) Your response to our request for additional information 5.71 indicates that the 25 millisecond break opening time was used in a best estimate calculation of the fuel element margin of safety. We have determined that until further justification is provided we cannot accept an opening time of 25 milliseconds. A study of Fig. 5A.4-89 would indicate that system response has exceeded 58 sq. in. in approximately 10 milliseconds. Therefore, provide additional justification for the 25 millisecond break opening time.

OFFICE ➔						
SURNAME ➔						
DATE ➔						

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Project Manager - W. Pike
NRC Participants
OPA
R. Bosnak
K. Desai
R. Meyer
S. Kim
C. Trammell

bcc: VEPCO Service List