



Omaha Public Power District

1623 HARVEY ■ OMAHA, NEBRASKA 68102 ■ TELEPHONE 536-4000 AREA CODE 402

October 6, 1981



Mr. Robert A. Clark, Chief
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Division of Licensing
Operating Reactors Branch No. 3
Washington, D.C. 20555

Reference: Docket No. 50-285

Dear Mr. Clark:

Several questions related to the Fort Calhoun Station fire protection capabilities were asked during a telephone conversation on August 20, 1981 among Messrs. Trammell, Laung, Lobel, and Feranti from the Commission's staff, Mr. McDougal of Brookhaven National Labs, and Messrs. Patterson and Gambhir of Omaha Public Power District. The District's response to these questions is attached.

Sincerely,

W. C. Jones
Division Manager
Production Operations

WCJ/KJM/TLP:jmm

Attachment

cc: LeBoeuf, Lamb, Leiby & MacRae
1333 New Hampshire Avenue, N.W.
Washington, D.C. 20036

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DISTRICT'S RESPONSE TO COMMISSION'S
QUESTIONS ON FORT CALHOUN STATION FIRE PROTECTION

Question 1

Regarding the use of the diesel fire pump (DFP) to provide a backup source for auxiliary feedwater (AFW), the District states that the DFP would be available within three hours, although the AFW storage tank provides a minimum eight hour supply. What is the basis for the three hours?

Response

The three hours was arbitrarily selected. The critical time is the eight hour Technical Specification limit on AFW storage tank capacity.

Question 2

How long does it physically take to cross-connect the DFP to the AFW system and to restore the system to normal?

Response

It would take approximately thirty minutes. It should be noted that neither the fire protection system or the AFW system need be taken out of service to perform this cross-connect. The system is cross-connected by connecting a fire hose between a valved fire hydrant and a 2-1/2" tee connection on the AFW storage tank fill line. The two systems are returned to normal by shutting the fire hydrant valve. Additionally, even when the DFP is providing water to the AFW storage tank, the fire system is still available for fighting fires.

Question 3

Is steam generator pressure indication available on the alternate shutdown panels?

Response

Steam generator pressure indication will be provided on the safety grade AFW control panels to be completed during the refueling outage presently in progress.

Question 4

Is there AFW storage tank level indication other than that in the control room?

Response

AFW storage tank level indication is available by local sight glass.

Question 5

In a letter dated March 27, 1981 regarding fire protection, the District had committed to verifying the availability of manpower to perform the alternate shutdown evolution by May 1, 1981. Has this been done?

Response

The District has reviewed the manpower needs to perform the alternate shutdown evolution and confirmed that the tasks to be performed immediately can be performed with existing on-shift personnel and sufficient manpower for augmentation is available for transition to long term shutdown/cooldown.