



## Omaha Public Power District

1623 HARNEY

OMAHA, NEBRASKA 68102

TELEPHONE 536-4000 AREA CODE 402

June 26, 1979

Director of Nuclear Reactor Regulation  
ATTN: Mr. Robert W. Reid, Chief  
Operating Reactors Branch No. 4  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Reference Docket No. 50-285

Gentlemen:

The Omaha Public Power District received an inquiry from a member of your staff regarding the potential for adverse consequences in the event of a fire in the power-operated relief valve recorder cabinet. A response was provided, by telephone, on May 16, 1979. The following information, herein documented, was provided:

The PORV low pressure system consists of two channels, either of which will operate both valves. The channels consists of a recorder-controller which, on reaching the actuation setpoints, will open the valves. The Esterline-Angus recorder-controllers are normally provided with a right hand zero (which is opposite Fort Calhoun's left hand zero design). The recorders were special ordered with the left hand zero; however, this reversed the recorder function logic (the manufacturer did not change the logic wiring nor update instructions for the District's recorders), which was not discovered until functional testing after installation. At this time, the field wiring was revised to conform to the recorder's calibrated operation. This result is contrary to original design, a fail oper control system.

The District has initiated a design change to correct this discrepancy. The design change will be implemented during the 1980 refueling outage.

In addition to the above information, it should be noted that the PORV control circuitry is blocked (through control switch operation) above a reactor coolant temperature of 348°F. Therefore, it is expected that a fire during power operation will not inadvertently open the PORV's. Also, if the PORV's were inadvertently opened during non power-operating times, they could be closed through the operation of a manual control switch. The backup isolation valves to the PORV's could also be closed immediately through manual switch operation if necessary.

Sincerely,

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T. E. Short  
Assistant General Manager

TES/KJM/BJH/Ip

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Director of Nuclear Reactor Regulation  
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