



## Omaha Public Power District

1623 HARNEY • OMAHA, NEBRASKA 68102 • TELEPHONE 536-4000 AREA CODE 402

January 27, 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:

The Commission's letters to Omaha Public Power District dated November 17, 1980, and November 24, 1980, identified the remaining open items in the Fort Calhoun Station's fire protection program. Acceptability of all but one open item is contingent upon approval of Fort Calhoun's alternate shutdown design, which is presently under Commission review.

The one other remaining open item is the requirement for the District to establish procedures to flush sprinkler system dead legs following partial actuation. The response to this concern is attached.

Sincerely,

*W. C. Jones*  
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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#### NRC Position

To assure that sprinkler orifices will not be clogged by a buildup of sand or silt, the licensee should establish procedures to examine, test, or flush sprinkler system portions in which no flow occurred if one or more sprinklers in that system have operated. The procedures should follow the recommendations of NFPA 13A-1978, "Recommended Practice for the Care and Maintenance of Sprinkler Systems".

#### District Response

The Fort Calhoun Operating Manuals contain a procedure (OI-FP-1) that provides for flushing all portions of the fire protection system that may have had sand introduced into it. For the Fort Calhoun sprinkler systems, each unoperated branch line can be flushed when one or more sprinkler has been actuated by removing its last sprinkler head. The District is also presently evaluating installation of a flush valve in each branch line which would simplify the flushing procedure.