To ADM/DMB:

PDR LPDR NSIC

ADM/RSB

# Omaha Public Power District

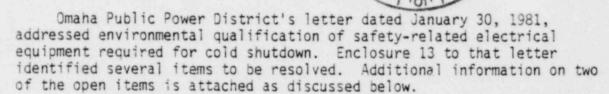
1623 HARNEY 3 OMAHA, NEBRASKA 68102 3 TELEPHONE 536-4000 AREA CODE 40

February 27, 1981

Mr. K. V. Seyfrit, Director
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Reference: Docket No. 50-285

Dear Mr. Seyfrit:



Item 7 concerned the ability of solenoids on valves HCV-238 and HCV-239 to survive submergence. The solenoids for these valves were installed at an elevation slightly above the projected flood level. To provide additional assurance of operability, these solenoids have been elevated two feet above the flood level and a revised qualification worksheet is attached as Enclosure 1.

Open Item 6 concerned qualification of the Conax instrument and cable penetrations. Enclosure 2 provides a description of the District's program to resolve this concern.

Sincerely,

W. C. Jones

Division Manager Production Operations

WCJ/KJM/TLP:jmm

Enclosures

cc: U. S. Nuclear Regulatory Commission Office of Inspection and Enforcement Washington, D.C. 20555

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

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### Facility: Fort Calhoun 1 Docket No.: 50-285

#### SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATON		QUALIFI-	OUTSTAND-
	Parameter	Specifi- cation	Qualif- cation	Specifi- cation	Qualifi- cation	CATION	ING ITEMS
System: Chemical and Volume Control System Item No.: HCV-238, 239 See Enclosure 18	Operating Time	Note 1	Note 1	Note 1	2	Type Test	NONE
	Tempera- ture °F	288°F	340°F	1	2	Type Test	NONE
Component: Solenoid	Pressure PSIg	60 psig	110 psig	1	2	Type Test	NONE
Manufacturer: ASCO Model No.: NP8320A185E	Relative Humidity %	100%	100%	1	2	Type Test	NONE
Function: Remote Operation of valves	Chemical Spray	1700 ppm Boric Acid	3000 ррm РИ10	1	2	Type Test	NONE
Accuracy - Spec: N/A Demon: N/A	Radiation	9.9 x 10 <sup>6</sup>	2×10 <sup>8</sup> R	1	2	Type Test	NONE
Service: See Function  Location: Containment	Aging	N/A	10 yrs	N/A	10 yrs 3	Type Test	NONE
Flood Level Elev: 1000.9' Above Flood Level: Yes	Submer- gence	N/A	N/A	N/A	N/A	N/A	NONE

# Documentation References:

- 1) Enclosure #1.
- 2) ASCO Test Report Model AQS 21678 ITR
- 3) ASCO letter dated July 10, 1980

#### Notes:

- 1) 1000 Hr operation
- 2) No special installation required coils operable post LOCA with moisture.

Enclosure 1

# Enclosure 2

The District has completed its records file search with the Conax Corporation, the Fort Calhoun Station electrical penetration vendor. The results of this records search revealed information that substantiates the test summary report IPS-435 on radiation. It is the District's opinion that, based on the test summary and the LOCA test, the Fort Calhoun Station penetrations are adequately qualified to continue operation. However, due to industry information which indicates Teflon is sensitive to radiation, the District feels that a sequential test of the penetrations, as outlined in the DOR Guidelines, is in order to insure that the penetrations are completely qualified. The District is presently investigating what testing is required. It is expected that the test plan will be completed, a testing laboratory selected, and a test schedule will be completed within 60 days. The District will provide the NRC with a test plan and schedule when completed.