LICENSEE EVENT REPORT 50-285/76-22

CONTROL BLOCK: [ ] (1–6) (PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01 NEFCS1 (7–14)	00-00000-00 (15–25)	4 1 1 1 1 (26–30)	01 (31–32)

CON'T	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 (7–8)	[ ] (57–58)	T (59)	L (60)	050-0285 (61–68)	071076 (69–74)	072076 (75–80)

EVENT DESCRIPTION

02 During normal operation the river delta-temperature limit of 20 degrees F. specified
03 in Appendix B Section 1.1.2 was exceeded at 2150 hours for a period of ten (10) min-
04 utes. A peak delta-temperature of 24 degrees F. was reached momentarily. Failure of
05 a condenser backwash valve to operate properly caused violation. Faulty backwash
06 valve was repaired. This is the third violation of the river delta-temperature limit.

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07 HC (9–10)	E (11)	VALVEX (12–17)	A (43)	L200 (44–47)	Y (48)

CAUSE DESCRIPTION

08 Condenser backwash valve MOV-A-D4 failed to open electrically after backwashing the
09 condenser. The valve was immediately opened manually to return the river delta-
10 temperature to 19 degrees F. The valve operator worm and worm gear (continued)

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11 E (9)	096 (10–12)	NA (13–44)	A (45)	Local valve position indication and control room alarm (46–80)

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12 Z (9)	Z (10)	NA (11–44)	NA (45–80)

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
13 000 (9–11)	Z (12)	NA (13–80)

PERSONNEL INJURIES

NUMBER	DESCRIPTION
14 00000 (9–11)	NA (12–80)

OFFSITE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION
16 Z (9)	NA (10–80)

PUBLICITY

17 NA

8403230211 760720
PDR ADOCK 05000285
S PDR

ADDITIONAL FACTORS

18 Cause Description (continued): were replaced and a satisfactory retest was performed.
19 See Attachments 1, 2 and 3 (LER 50-285/76-22)

NAME: W. Dermyer / R. Andrews PHONE: 402-426-4011

GPO 661-667

ATTACHMENT NO. 1

Safety Analysis/Analysis of Occurrence

At 2150 hours on July 10, 1976, the Turbine Building Equipment Operator - Nuclear (EO-N) was transferring the main condenser from the backwash mode to the normal mode of operation.

The inlet and outlet valves in the backwash flow path moved from the open to the closed position. However, the outlet valve (MOV-A-D4) in the normal flow path failed to open when the backwash valves shut. The EO-N at the backwash panel noticed the failure and started opening the valve manually. A low vacuum alarm in the main control room annunciated and the shift supervisor proceeded to the backwash panel. When the shift supervisor arrived, the operator had manually opened MOV-A-D4.

The shift supervisor suspecting that a violation of the river delta-temperature specification had occurred, checked the delta-temperature recorder in the Intake Structure. Upon observing that the specification was exceeded the shift supervisor notified the Manager - Fort Calhoun Station. The Manager - Fort Calhoun Station informed Mr. Jack Ward, NRC-OIE, Region IV, by telephone at 1315 hours, on July 11, 1976.

This is the third violation of the river delta-temperature limit. Previous violations occurred on January 12, 1975, and January 9, 1976, but those were caused by severe icing conditions on the Missouri River.

ATTACHMENT NO. 2

Corrective Action

Maintenance Order No. 11364 was initiated to repair MOV-A-D4. The control switch for MOV-A-D4 was caution tagged to prevent reoccurrence until the valve could be repaired.

The valve operator for MOV-A-D4 was inspected and the worm and worm gear were replaced. The valve was tested after repair and normal operation was verified both visually and by confirmation of normal amperage to the motor.

ATTACHMENT NO. 3

Failure Data

This is the first failure of a motor operated condenser valve which resulted in a violation of the Technical Specifications.

Omaha Public Power District

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

July 20, 1976
FC-227-76

Mr. E. Morris Howard
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive
Suite 1000
Arlington, TX 76012

Dear Mr. Howard:

Reference: Fort Calhoun Station Unit No. 1
Docket No. 50-285

In accordance with the Fort Calhoun Station's Technical Specifications, the Omaha Public Power District, as holder of facility operating license DPR-40, submits three copies of the following licensee event report 50-285/76-22 to satisfy the requirements of Regulatory Guide 1.16.

Sincerely,

W. C. Jones
Section Manager
Operations

WCJ/WDD:rge

Enclosures

cc: Director, Office of Management
Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, DC 20555 (3)

Director, Office of Inspection and
Enforcement
U. S. Nuclear Regulatory Commission
Washington, DC 20555 (30)

Mr. L. C. Shalla
SARC Chairman
PRC Chairman
Fort Calhoun File (2)