

LICENSEE EVENT REPORT

50-285/76-10

CONTROL BLOCK:

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME														LICENSE NUMBER														LICENSE TYPE										EVENT TYPE			
01	N	E	F	C	S	1	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	3																	
7	8	9	14	15	25	26	30	31	32																																
01		CONT		CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER										EVENT DATE										REPORT DATE											
01	7	8	57	58	59	60	0	5	0	-	0	2	8	5	0	4	0	1	7	6	0	4	0	8	7	6															
7	8	57	58	59	60	61	68	69	74	75	80																														

EVENT DESCRIPTION

02	During operator checks of the Variable High Power Margin to Trip Meter it was noted																																																																															
03	that B High Power Margin to Trip had drifted from 4.2 percent to 6 percent power. A																																																																															
04	subsequent check of the high power trip point showed a high power trip would occur																																																																															
05	at 106.2 percent power. A 1 percent calimetric error would have resulted in an																																																																															
06	actual trip point of 107.2 percent which exceeds the limit of 106.5 percent. (con't)																																																																															

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION			
07	7	8	9	10	11	12	13	14	15	16	17	43	44	45	46	47	48

CAUSE DESCRIPTION

08	The Bell and Howell 19-317-2X feed back limiter module used to generate the high																																																																															
09	power trip setpoint was found to have drifted. The module was calibrated and op																																																																															
10	erated satisfactorily.																																																																															

FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION										
11	H	1	0	0	NA	44	45	B	Operator Checks											
7	8	9	10	11	12	13	44	45	46	80										

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY				LOCATION OF RELEASE									
12	Z	Z	NA														
7	8	9	10	11	44	45	80										

PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION												
13	0	0	0	Z	NA											
7	8	9	11	12	13	80										

PERSONNEL INJURIES

NUMBER		DESCRIPTION													
14	0	0	0	NA											
7	8	9	11	12	80										

OFFSITE CONSEQUENCES

15	NA																																																																															
7	8	9	80																																																																													

LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION																																																																															
16	Z	NA																																																																															
7	8	9	10	80																																																																													

PUBLICITY

17	NA																																																																															
7	8	9	80																																																																													

8403260358 760408
PDR ADOCK 05000285
S PDR

ADDITIONAL FACTORS

18	Description of Event (continued): The high power trip is one of four redundant																																																																															
19	channels.																																																																															

NAME: Robert Mehaffey

PHONE: 402-426-4011

ATTACHMENT 1

Safety Analysis

The Reactor Protective System is so designed that the failure of B RPS High Power trip unit to trip at 104.4 percent power (which takes into account a 1.1 percent instrument error and a 1.0 percent calimetric error to insure a trip at the Technical Specification Limit of 106.5 percent) would not have prevented a reactor trip if the unit power had exceeded 106.5 percent power. Under normal operating conditions the reactor protective system is in a two-out-of-four logic configuration. The failure of B high power trip channel placed the RPS in a two-out-of-three logic. The two-out-of-three logic exceeds the minimum required for safe reactor operation as stated in Table 2-2 of the Technical Specifications. Channels A, C and D were operational.

ATTACHMENT 2

Corrective Action

The Bell and Howell 19-317-2X feed back limiter module was recalibrated. Surveillance Test ST-RPS-1 Section F.2 which checks the variable high power trip channels was done on B channel. Proper operation of B channel was verified and then returned to service.

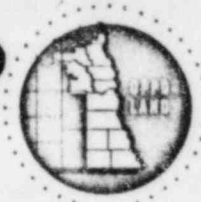
ATTACHMENT 3

Failure Data

The drift of the high power setpoint was the first failure of this type.

Omaha Public Power District

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



April 13, 1976
FC-117-76

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



TE FILE COPY

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 50-285/76-10 to satisfy the requirements of Regulatory Guide 1.16.

Sincerely,

W. C. Jones
Section Manager
Operations

WCJ/WDD:rge

Enclosure

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)

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