- NRC FURM 366 U. S. NUCLEAR REGULATORY COMMISSION 17 771 LICENSEE EVENT REPORT CONTROL BLOCK 10 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) 0 0 0 0 0 0 - 10 0 3 4 1 1 1 1 1 0 4 LICENSE NUMBER 25 26 LICENSE TYPE 30 5 R LICENSEE CODE CON'T REPORT 0 0 0 2 9 8 0 0 9 2 3 8 3 8 1 0 1 9 8 3 9 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80 0 1 605SOURCE EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) 0 2 During routine surveillance testing (SF 6.2.8.3), pressure switch NBI-PS-102A failed to perform its high pressure safety trip of Reactor Recirc. Pump A under simulated 0 3 0 4 | conditions. The redundant pressure switch NBI-PS-102C was operable. There were no adverse effects to public health and safety. 0 5 0 6 0 7 0 8 SYSTEM CAUSE CAUSE COMP VALVE CODE COMPONENT CODE SUBCODE CODE SUBCODE SUBCODE B E (12 (13) A Y X (14 E A (15 Z (16) 0 9 A L 1.1 12 13 18 SEQUENTIAL OCCURRENCE REVISION REFORT EVENT YEAR REPORT NO. CODE LER/RO TYPE NO. (17)REPORT 5 0 1 0 3 L 0 NUMBER 22 26 28 32 FUTURE EFFECT ON PLANT ACTION SHUTDOWN HOURS (22) ATTACHMENT NPRD-4 PRIME COMP. COMPONENT TAKEN METHOD FORM SUB SUPPLIER MANUFACTURER 0 (18) Z (19) Z (20) Z (21 0 0 10 N (23) Y (24) A (25) 0 9 36 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) NBI-PS-102A has an associated relay which is energized from a contact actuated by 1 0 [PS-102A on a high pressure condition. This relay, RR-REC-K48A, failed to energize and 1 1 1 was subsequently replaced. SP 6.2.8.3 was repeated satisfactorily. 1 3 1 4 .0 80 FACILITY METHOD OF OTHER STATUS (30) DISCOVERY * POWER DISCOVERY DESCRIPTION (32) 81 E (28) 0 5 (29) NA B 5 (31) Inservice Inspection 10 13 44 80 CONTENT ACTIVITY AMOUNT OF ACTIVITY (35 RELEASED OF RELEASE LOCATION OF RELEASE (36) 6 Z 3 Z 34 NA NA 10 11 80 PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER TYPE Z 0 0 0 (38) NA 7 PERSONNEL INJURIES 80 DESCRIPTION (41) NUMBER 0 0 0 NA 31 (40) 11 12 USS OF OH DAMAGE TO FACILITY (43) 80 DESCHIPTION TYPE Z (42) NA 2 10 80 PUBLICITY 8311010273 831019 NRC USE ONLY DESCRIPTION (45) PDR ADOCK 05000298 ALED_ S Z (11) 0 PDR NA 11 3 10 68 69 80 402-825-3811 Stephen Studebaker NAME OF PREPARER . PHONE -



Nebraska Public Power District

COOPER NUCLEAR STATION P.O. BOX 98, BROWNVILLE, NEBRASKA 68321 TELEPHONE (402) 825-3811

T.E-22

CNSS830636

October 19, 1983

Mr. John T. Collins, Regional Administrator U.S. Nuclear Regulatory Commission Region IV 611 Ryan Plaza Drive Suite 1000 Arlington, Texas 76011



Dear Sir:

This report is submitted in accordance with Section 6.5.2.B.1 of the Technical Specifications for Cooper Nuclear Station and discusses a reportable occurrence that was discovered on September 23, 1983. A licensee event report form is 51so enclosed.

Report No .:	50-298-83-15
Report Date:	October 19, 1983
Occurrence Date:	September 23, 1983
Facility:	Cooper Nuclear Station
	Brownville, Nebraska 68321

Identification of Occurrence:

A condition existed which may have resulted in a limiting condition for operation established in Section 3.2.G of the Technical Specifications.

Conditions Prior to Occurrence:

The reactor was operating at a steady state power level of approximately 85% of rated power.

Description of Occurrence:

While performing routine surveillance test procedure 6.2.8.3, pressure switch NBI-PS-102A, reactor recirculation pump A high pressure trip, failed to initiate upon a simulated high pressure condition.

Designation of Apparent Cause of Occurrence:

The cause of this trip malfunction has been attributed to the failure of the trip relay which is actuated by PS-102A (RR-REL-K48A).

Analysis of Occurrence:

The function of pressure switch NBI-PS-102A is to monitor reactor pressure and trip recirculation pump A on a high pressure condition of 1100 psi. The redundant pressure switch, PS-102C, and the pressure switches associated with recirculation pump B, PS-102B and PS-102D, were also tested at the time of the occurrence and operated properly within the limits of the Technical Specifications. Only one of two high pressure signals are required to initiate the trip function of each recirculation pump. This occurrence presented no adverse consequences from the standpoint of public health and safety. Mr. John T. Collins October 19, 1983 Page 2

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Corrective Action:

Pressure switch NBI-PS-102A was examined and it presented no apparent cause for the trip malfunction. Further investigation isolated the problem to the associated trip relay, RR-REL-K48A. K48A failed to energize upon receipt of actuation and trip signal from PS-102A. RR-REL-K48A was subsequently replaced and surveillance test procedure 6.2.8.3 was repeated. PS-102A and K48A performed satisfactorily and met Technical Specification requirements.

A review of instrument records indicated no history of prior failures.

Sincerely,

P.V. Thomason

P. V. Thomason Division Manager of Nuclear Operations

PVT:1b Attach.