FROM:
Northern States Power Company
Minneapolis, Minnesota 55401
R.O. Duncanson, Jr. P.E.

DATE OF DOCUMENT: Nov. 16, 1971
DATE RECEIVED: Nov. 22, 1971
NO.: 50

LTR. X | MEMO: | REPORT: | OTHER:

TO:
Dr. Peter A. Morris

ORIG.: | CC: | OTHER:
1 signed & 2 conf'd

ACTION NECESSARY ☐ | CONCURRENCE ☐ | DATE ANSWERED:
NO ACTION NECESSARY ☐ | COMMENT ☐ | BY:

CLASSIF: U | POST OFFICE | REG. NO:

FILE CODE: 50-263

DESCRIPTION: (Must Be Unclassified)
Ltr reporting on 10-20-71 failure of an ECCS pump start permissive switch to trip within the specified setting.

ENCLOSURES:

REMARKS:

REFERRED TO	DATE	RECEIVED BY	DATE
Knuth w/9 cys for ACTION	11-22-71	Ross	
		Dr. Hanauer Dr. Mann	
DISTRIBUTION: Reg File Cy AEC PDR		Rosen N. Lauben	
OGC-Rm-P-506-A Compliance (2)		B. Colmar	
Muntzing & Staff Morris/Schroeder			
D. Thompson Skovholt		DO NOT REMOVE	
DTIE(Laughlin) NSIC(Buchanan)		ACKNOWLEDGED	
Boyd E.G. Case Novak			DL

U.S. ATOMIC ENERGY COMMISSION

MAIL CONTROL FORM FORM AEC-326S (6-60)

☆ U.S. GOVERNMENT PRINTING OFFICE: 1970-406-979

NSP Regulatory File Cy.

NORTHERN STATES POWER COMPANY
Minneapolis, Minnesota 55401

November 16, 1971

Dr. Peter A. Morris, Director
Division of Reactor Licensing
United States Atomic Energy Commission
Washington, D.C. 25045

Dear Dr. Morris:

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Failure of an ECCS Pump Start Permissive
Switch to Trip Within the Specified Settings

During the performance of a monthly surveillance test on October 20, 1971, it was discovered that an ECCS pump start permissive pressure switch tripped below the trip settings specified in the Technical Specifications. This occurrence is being reported in accordance with Section 6.6.B.3, of the Technical Specifications. The Region III Compliance Office has been notified of the occurrence.

Summary Description of Occurrence

On October 20, 1971, a trip setting of a low reactor pressure pump start permissive switch (switch #2 of PS 2-3-53A) was found to be approximately 12.5 psig below the trip setting of ≥ 450 psig specified in Table 3.2.2 of the Technical Specifications. (The allowable deviation for this trip setting, as specified in Table 3.2.5 of the Technical Specifications is -10 psi.) The #2 switch of PS 2-3-53A is used in the LPCI start permissive logic; however, automatic initiation of the LPCI system would have occurred, if required, at the specified reactor pressure by action of the redundant pump start permissive switch PS 2-3-53B.

The investigation of the occurrence shows that switch PS 2-3-53A operates properly. As a result of this finding, the low setpoint problem has been attributed to setpoint drift and/or calibration inaccuracies. To prevent similar occurrences from happening, the low reactor pressure pump start permissive switches will be set at 460 psig prior to further plant operations. Increasing the setpoint will not present any operational difficulties since the core spray and RHR pumps are provided with minimum flow lines so that the pumps will not be damaged by early starts.

Misc
5088

LB

The unusual occurrence report has been written for this occurrence and will be available to the Region III Compliance Inspector for review during his next visit.

Yours very truly,

RO Duncanson /CEL

R.O. Duncanson, Jr. P.E.
Manager of Power Production
Chairman - Monticello Safety Audit Committee

ROD/CEL/caf

25