

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 7091

FROM: Northern States Power Co. Minneapolis, Minn. 55401 L.O. Mayer		DATE OF DOC: 12-22-72	DATE REC'D 12-29-72	LTR X	MEMO	RPT	OTHER
TO: Mr. A. Giambusso		ORIG 1 signed	CC 39	OTHER	SENT AEC PDR ✓ SENT LOCAL PDR ✓		
CLASS: <u>U</u> PROP INFO		INPUT	NO CYS REC'D 40	DOCKET NO: 50-263			

DESCRIPTION: Ltr rpt on 12-16-72 that a ground fault occurred on the #11 residual heat removal pump motor.....

ENCLOSURES:

*PLEASE CIRCULATE-INSUFFICIENT CYS FOR FULL DISTRIBUTION

PLANT NAMES: Monticello Plant

ACKNOWLEDGED
DO NOT REMOVE

FOR ACTION/INFORMATION

DL 12-29-72

BUTLER(L) W/ Copies	SCHWENGER(L) W/ Copies	SCHEMEL(L) W/ Copies	KNIGHTON(E) W/ Copies
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INTERNAL DISTRIBUTION

<u>REG FILE</u> AEC PDR OGC, ROOM P-506A MUNTZING/STAFF CASE GIAMBUSO BOYD-L(BWR) DEYOUNG-L(PWR) SKOVHOLT-L P. COLLINS REG OPR FILE & REGION (2) MORRIS STELLE	TECH REVIEW HENDRIE SCHROEDER *MACCARY LANGE(2) PAWLICKI SHAO *KNUTH STELLO MOORE HOUSTON *TEDESCO LONG LAINAS BENAROYA	VOLLMER DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD PROJ LEADER REGAN	HARLESS F & M SMILEY NUSSBAUMER LIC ASST. SERVICE L MASON L WILSON L MAIGRET L SMITH L GEARIN L DIGGS L TEETS L LEE L	WADE E SHAFFER F & M BROWN E G. WILLIAMS E E. GOULBOURNE L A/T IND BRATTMAN SALTZMAN PLANS MCDONALD DUBE INFO C. MILES
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EXTERNAL DISTRIBUTION

1-LOCAL PDR Minneapolis, Minn.	(1)(5)(9)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
1-DTIE(ABERNATHY)	1-R. CARROLL-OC, GT-B227	1-GERALD LELLOUCHE
1-NSIC(BUCHANAN)	1-R. CATLIN, E-256-GT	BROOKHAVEN NAT. LAB
1-ASLB-YORE/SAYRE	1-CONSULANT'S	1-AGMED(WALTER KOESTER,
WOODWARD/H. ST.	NEWARK/BLUME/AGABIAN	Rm C-427, GT)
16-CYS ACRS XXXXXX	SENT TO LIC. ASST.	1-RD...MULLER...F-309GT
	R. DIGGS ON 12-29-72	

NSP

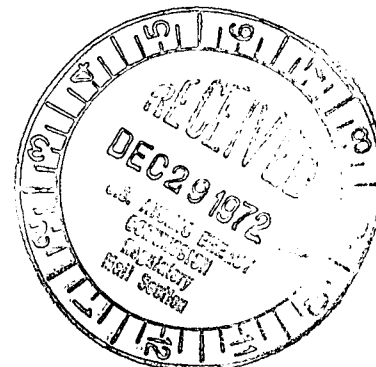
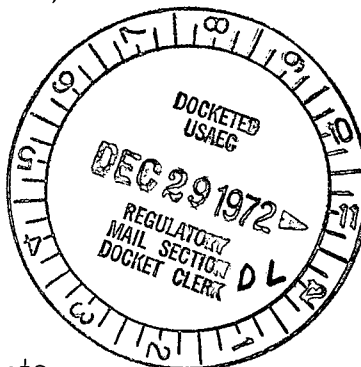
NORTHERN STATES POWER COMPANY

Minneapolis, Minnesota 55401

Regulatory

File Cy.

December 22, 1972



Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
United States Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Giambusso:

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50263 License No. DPR-22

RHR Pump Motor Failure

A condition occurred at the Monticello Nuclear Generating Plant recently which we are reporting to your office in accordance with provisions of Section 6.6.B.3 of Appendix A, Technical Specifications, of the Provisional Operating License DPR-22. The Region III Compliance Office has been notified of the occurrence.

On Saturday, December 16, 1972, a ground fault occurred on the #11 Residual Heat Removal Pump Motor. An investigation of the problem revealed that the ground fault was caused by the failure of an air deflector located near the base of the motor. Movement of the air deflector resulted in a small break in the insulation on one end turn of the stator coil. An inspection of the other three RHR pump motors revealed that the lower air deflector in the #13 RHR pump motor was severely cracked and hairline cracks were found on the lower air deflector for the #12 RHR pump motor. There was no evidence of cracking on the lower air deflector for the #14 RHR pump motor. Improper installation of the air deflectors is the suspected cause of the deflector failures; however, further investigation is being conducted. The #11 RHR pump had approximately 1325 hours of operation at the time the failure occurred. The #12 RHR pump had 177 hours of operation, the #13 RHR pump had 618 hours and the #14 RHR pump had 41 hours. There was no evidence of any failure of the upper RHR pump motor air deflectors. The RHR pump motors are 600 hp, General Electric, Tri-Clad, vertical, high-thrust, three phase induction motors (Model #5K6329XC4A).

The stator coil end turn for the #11 RHR pump motor was repaired. A new air deflector was installed and the method of attaching the air deflector was modified. The modification included installation of a Textolite hold-down ring and eight additional hold-down bolts.

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New air deflectors have been installed on the Number 12, 13, and 14 RHR pump motors using the modified hold-down arrangement. The Core Spray pump motors (Model #5K6338XC29B) and the RHR Service Water pump motors (Model #5K6337XC97A) have been inspected and no evidence of air deflector failure was found. The deflector design of these motors is somewhat different than the RHR pump motors.

An Abnormal Occurrence Report will be available at the site for the Regulatory Operations inspectors.

Yours very truly,

A handwritten signature in black ink, appearing to read "L. O. Mayer". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

L O Mayer, PE
Director of Nuclear Support Services

LOM/kik