

**AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)**

CONTROL NO: 2736

<b>FROM:</b> Northern States Power Company Minneapolis, Minnesota 55401 L. O. Mayer		<b>DATE OF DOC:</b> 4-19-73	<b>DATE REC'D</b> 4-26-73	<b>LTR</b> x	<b>FILE</b>		
<b>TO:</b> John F. O'Leary		<b>ORIG</b> 1 signed	<b>CC</b> 39	<b>OTHER</b>	<b>SENT AEC PDR</b> X <b>SENT LOCAL PDR</b> X		
<b>CLASS:</b> U/PROP INFO		<b>INPUT</b>	<b>NO CYS REC'D</b> 40	<b>DOCKET NO:</b> 50-263			
<b>DESCRIPTION:</b> Ltr reporting a condition regarding RHR Service Water Pump Seal Problem of 3-23-73... trans the following:				<b>ENCLOSURES:</b> <u>DIAGRAM:</u> RHR Service Water Pump Seal Water Arrangement.			
<b>PLANT NAMES:</b> Monticello				<b>ACKNOWLEDGED</b> (40 cys rec'd)			

**DO NOT REMOVE**

FOR ACTION/INFORMATION 4-26-73 fod

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<del>AEC PDR</del>	<del>HENDRIE</del>	GRIMES	SMILEY	BROWN	E
<del>OGC, ROOM P-506A</del>	SCHROEDER	GAMMILL	NUSSBAUMER	G. WILLIAMS	E
<del>MUNTZING/STAFF</del>	<del>MACCARY</del>	KASTNER		SHEPPARD	E
<del>CASE</del>	<del>KNIGHT</del>	BALLARD	<u>LIC ASST.</u>		
GIAMBUSSO	<del>PAWLICKI</del>	SPANGLER	<u>SERVICE</u>	L	<u>A/T IND</u>
BOYD	<del>SHAO</del>		WILSON	L	BRAITMAN
V. MOORE-L(BWR)	<del>STELLO</del>	<u>ENVIRO</u>	GOULBOURNE	L	SALTZMAN
DEYOUNG-L(PWR)	<del>HOUSTON</del>	MULLER	SMITH	L	
<del>SKOVHOLT-L</del>	<del>NOVAK</del>	DICKER	GEARIN	L	<u>PLANS</u>
P. COLLINS	<del>ROSS</del>	KNIGHTON	<del>DIGGS</del>	L	MCDONALD
	<del>IPPOLITO</del>	YOUNGBLOOD	TEETS	L	DUBE
<u>REG OPR</u>	<del>TEDESCO</del>	REGAN	LEE	L	
<del>FILE &amp; REGION(2)</del>	<del>LONG</del>	PROJ LEADER	MAIGRET	L	<u>INFO</u>
<del>MORRIS</del>	<del>LAINAS</del>		SHAFFER	F & M	C. MILES
<del>STEELE</del>	<del>BENAROYA</del>	<u>HARLESS</u>			
	<del>VOLLMER</del>				

**EXTERNAL DISTRIBUTION**

<del>1-LOCAL PDR Minneapolis, Minnesota</del>		
<del>1-DTIE(ABERNATHY)</del>	(1)(2)(9)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
<del>1-NSIC(BUCHANAN)</del>		1- GERALD LELLOUCHE
1-ASLB-YORE/SAYRE	1-R. CARROLL-C, GT-B227	BROOKHAVEN NAT. LAB
WOODWARD/H ST.	1- R. CATLIN, E-256-GT	1-AGMED(WALTER KOESTER,
	1- CONSULTANT'S	RM C-427, GT)
<del>16-CYS ACRS</del> Sent 4-26-73 to	NEWMARK/BLUME/AGABIAN	1- RD...MULLER...F-309GT
R. Diggs for Dist.	1- GERLAD ULRIKSON....ORNL	

# NSP

Regulatory

File Cy.

NORTHERN STATES POWER COMPANY  
Minneapolis, Minnesota 55401

April 19, 1973

Mr. John F. O'Leary, Director  
Directorate of Licensing  
United States Atomic Energy Commission  
Washington, D C 20545



Dear Mr. O'Leary:

MONTICELLO NUCLEAR GENERATING PLANT  
Docket No. 50-263 License No. DPR-22  
RHR Service Water Pump Seal Problem

A condition occurred at the Monticello Nuclear Generating Plant recently which we are reporting to your office in accordance with the provisions of Section 6.6.C.1 of Appendix A, Technical Specifications, of the Provisional Operating License DPR-22.

On March 23, 1973, while operating #11 RHR Service Water pump for shutdown cooling, smoke was observed coming from the pump. An investigation of the problem revealed that the upper gland seal packing on the pump had overheated due to dirt in the upper packing (see Figure attached). Cooling water for the bushing is provided by river water from the discharge of the pump. The upper and lower sets of packing are cooled by well water injected at a pressure of approximately 50 psig. When the pump is operated at low flow rates, with corresponding high discharge pressures, unfiltered river water is forced back into the upper seal cavity. Prolonged operation under such conditions resulted in the dirt accumulation.

The upper seal packing was replaced and adjusted. Modifications to eliminate the problem are being evaluated. Operation of RHR service water pumps at low flow rates is not required and will not be conducted until such modifications are implemented.

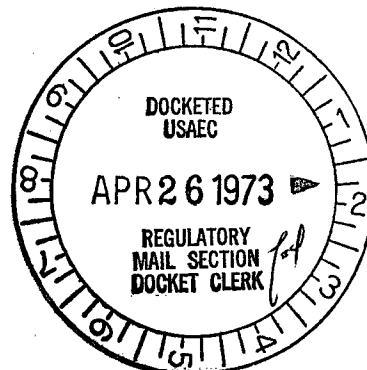
Yours very truly,

L O Mayer, PE  
Director of Nuclear Support Services

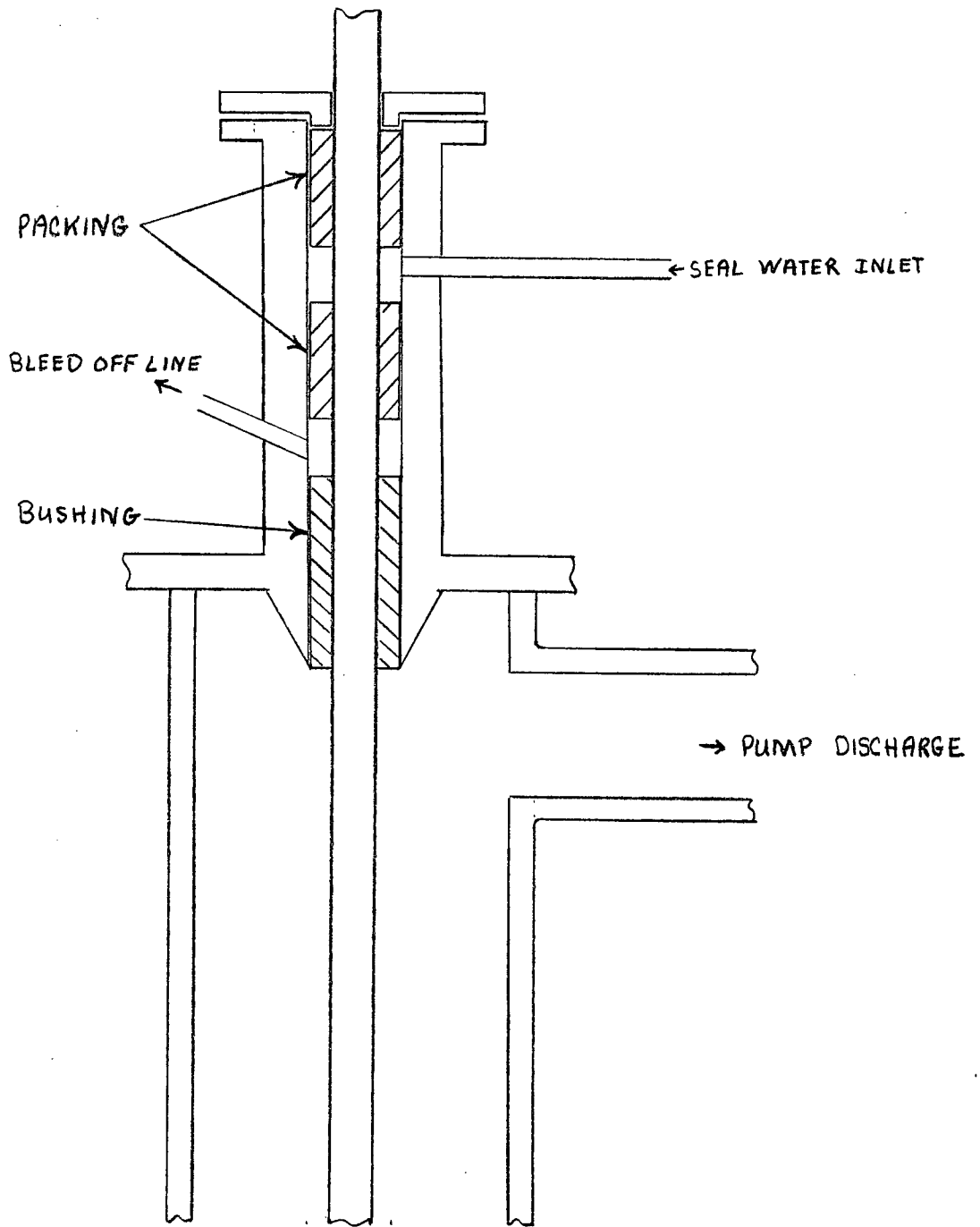
LOM/kik

cc: B H Grier  
G Charnoff  
Minnesota Pollution Control Agency  
ATTN: Ken Dzugan

attachment



2736



RHR SERVICE WATER PUMP  
SEAL WATER ARRANGEMENT