

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 8427

FILE:

FROM: Northern States Power Company Minneapolis, Minn. 55401 Mr. L.O. Mayer			DATE OF DOC 11-21-73	DATE REC'D 11-26-73	LTR X	MEMO	RPT	OTHER
TO: J.F. O'Leary			ORIG	CC	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-263		
	XXX							
DESCRIPTION: Ltr adv of an abnormal occurrence at the Monticello Station, concern a Violation of Standby Liquid Control Solution Volume-Concentration Requirements.....				ENCLOSURES: ACKNOWLEDGED DO NOT REMOVE				
PLANT NAME: Monticello								

FOR ACTION/INFORMATION

11-26-73

JB

BUTLER(L)	SCHWENCER(L)	<input checked="" type="checkbox"/> ZIEMANN(L)	REGAN(E)
W/ Copies	W/ Copies	W/ <input checked="" type="checkbox"/> Copies	W/ Copies
CLARK(L)	STOLZ(L)	DICKER(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies
GOLLER(L)	VASSALLO(L)	KNIGHTON(E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies
KNIEL(L)	SCHEMEL(L)	YOUNGBLOOD(E)	
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INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG-FILE	TECH REVIEW	DENTON	LIC ASST	A/T IND
<input checked="" type="checkbox"/> AEC PDR	<input checked="" type="checkbox"/> HENDRIE	GRIMES		BRAITMAN
<input checked="" type="checkbox"/> OGC, ROOM P-506A	<input checked="" type="checkbox"/> SCHROEDER	GAMMILL	<input checked="" type="checkbox"/> DIGGS (L)	SALTZMAN
<input checked="" type="checkbox"/> MUNTZING/STAFF	<input checked="" type="checkbox"/> MACCARY	KASTNER	GEARIN (L)	B. HURT
<input checked="" type="checkbox"/> CASE	<input checked="" type="checkbox"/> KNIGHT	BALLARD	GOULBOURNE (L)	PLANS
GIAMBUSSO	<input checked="" type="checkbox"/> PAWLICKI	SPANGLER	LEE (L)	MCDONALD
BOYD	<input checked="" type="checkbox"/> SHAO		MAIGRET (L)	DUBE
MOORE (L) (BWR)	<input checked="" type="checkbox"/> STELLO	ENVIRO	SERVICE (L)	INFO
DEYOUNG (L) (PWR)	<input checked="" type="checkbox"/> HOUSTON	MULLER	SHEPPARD (E)	C. MILES
<input checked="" type="checkbox"/> SKOVHOLT (L)	<input checked="" type="checkbox"/> NOVAK	DICKER	SMITH (L)	<input checked="" type="checkbox"/> B. King
P. COLLINS	<input checked="" type="checkbox"/> ROSS	KNIGHTON	TEETS (L)	
	<input checked="" type="checkbox"/> IPPOLITO	YOUNGBLOOD	WADE (E)	
<input checked="" type="checkbox"/> REG OPR	<input checked="" type="checkbox"/> TEDESCO	REGAN	WILLIAMS (E)	
FILE & REGION(3)	<input checked="" type="checkbox"/> LONG	PROJECT LDR	WILSON (L)	
<input checked="" type="checkbox"/> MORRIS	<input checked="" type="checkbox"/> LAINAS			
<input checked="" type="checkbox"/> STEELE	<input checked="" type="checkbox"/> BENAROYA	HARLESS		
	<input checked="" type="checkbox"/> VOLLMER			

EXTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> 1 - LOCAL PDR <u>Minneapolis, Minn.</u>	(1)(2)(10)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
<input checked="" type="checkbox"/> 1 - DTIE(ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-GERALD LELLOUCHE
<input checked="" type="checkbox"/> 1 - NSIC(BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB(YORE/SAYRE/ WOODARD/"H" ST.	1-CONSULTANT'S	1-AGMED(Ruth Gussman)
<input checked="" type="checkbox"/> 16 - CYS ACRS HOLDING Sent to Diggs	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
11-26-73	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT

NSP

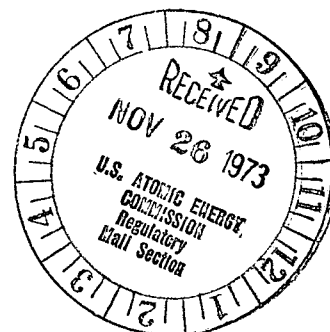
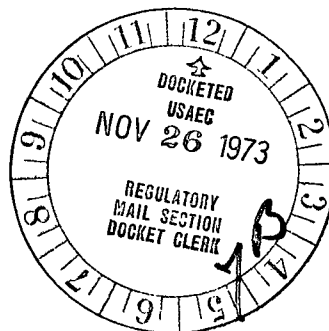
NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

November 21, 1973

Mr. J F O'Leary, Director
Directorate of Licensing
Office of Regulation
U S Atomic Energy Commission
Washington, D C 20545

Dear Mr. O'Leary:



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

Violation of Standby Liquid Control
Solution Volume-Concentration Requirements

A condition occurred at the Monticello Nuclear Generating Plant which we are reporting to your office in accordance with Section 6.7.B.1, Abnormal Occurrence Reports, of Appendix A Technical Specifications of Provisional Operating License DPR-22.

On November 13, 1973, it was discovered that standby liquid control tank level indicators were improperly calibrated. This improper calibration has caused Technical Specification volume-concentration requirements (Figure 3.4.1) to be violated on at least one occasion. Our records indicate that on August 28, 1973, actual net solution volume was 2570 gallons. Technical Specifications require 2585 gallons for the same solution concentration. Solution has been added and tank level indicators have been recalibrated to insure compliance.

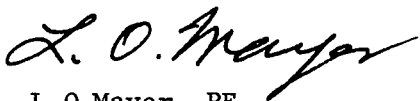
The level indicators were originally calibrated to subtract 178 gallons from the gross solution volume. This figure (178 gallons) is the solution volume contained below the centerline of the tank outlet nozzle. However, the pump suction line lies entirely in a horizontal plane making it impossible to maintain suction below the top of the tank outlet nozzle. The level indicators should therefore have been calibrated to subtract 256 gallons from the gross solution volume. This figure (256 gallons) is the solution volume contained below a point one half inch above the top of the tank outlet nozzle and is consistent with the bases of Technical Specification 3.4 and 4.4. We have been unable to determine why the centerline of the tank outlet nozzle was used as the basis for the indicator calibration.

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The maximum discrepancy which could have existed due to the improper level calibration (considering the range of concentration which has been maintained) is 3% of the required solution volume. Since an arbitrary 25% margin for possible imperfect mixing is included in the required solution volume, it is felt that adequate solution volume has always been available.

The calibration of other level instruments used to verify Technical Specification liquid volume requirements (torus, fuel pool, diesel oil storage tank, and condensate storage tanks) has been reviewed and no discrepancies were found. It is therefore felt that this is an isolated problem and has been corrected by the measures taken.

Yours very truly,



L O Mayer, PE
Director of Nuclear Support Services

LOM/br

cc: J G Keppler
G Charnoff
Minnesota Pollution Control Agency
Attn Ken Dzugan