

NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

September 1, 1978

Mr J G Keppler
Office of Inspection & Enforcement
U S Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Mr Keppler:

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

APRM Low Gain Setting

The Licensee Event Report for this occurrence is reproduced on the back of this letter. Enclosed are three copies.

This event is reported in compliance with Technical Specification 6.7.B.2a since it represents an instrument setting deviation which would not have prevented proper operation of the reactor protection system.

Yours very truly,

Dain Musolf for

L U Mayer, PE
Manager of Nuclear Support Services

LOM/DMM/ak

cc: ~~Director~~, IE, USNRC (30)
Director, MIPC, USNRC (3)
MPCA
Attn: J W Ferman

782490077

9105150364 780901
PDR ADDCK 05000263
S PDR

-over-

*1002
5/1/80
LW*

LICENSEE EVENT REPORT

CONTROL BLOCK (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	M	N	M	N	P	1	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4	1
LICENSEE CODE						LICENSE NUMBER						LICENSE TYPE						CAT 56								

0	1	1	6	0	5	0	0	0	2	6	3	7	0	8	0	5	7	8	8	0	9	0	1	7	8	9
CON'T		REPORT SOURCE		DOCKET NUMBER								EVENT DATE				REPORT DATE										

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

After control rod adjustments at 70% power, it was discovered that 1 APRM scram trip setting was 4 to 5% low. One other APRM in that channel was bypassed, leaving one operable APRM in the channel. Technical Specifications 3.1.A requires two operable APRMs per channel (Table 3.1.1). Since one APRM in that channel was operable, a high flux scram would have occurred at the proper power level. The event had no effect on the public health or safety. Two previous occurrences (AO-14, 5-15-72, M-RO-78-11, 6-6-78).

0	9	1	A	11	D	12	Z	13	I	N	S	T	R	U	14	X	15	Z	16
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE						COMP. SUBCODE		VALVE SURCODE					
17		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.									
1		7		0		0		1		0									
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER			
E		G		Z		Z		0		N		N		N		G			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

Large power shape changes resulted in APRM output changes, which decalibrated one APRM. The operations manual does not explicitly require APRM gain checks after control rod adjustments. The gain setting was immediately corrected. Procedures were revised to require APRM checks during rod movements. In addition, a design change has been initiated to alarm APRM gain settings that approach spec limits.

1	5	F	28	0	7	0	29	NA	30	B	31	Operator Observation	32
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION					

1	6	Z	33	Z	34	NA	35	NA	36
ACTIVITY CONTENT		RELEASED OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE			

1	7	0	0	0	37	Z	38	NA	39
PERSONNEL EXPOSURES		NUMBER		TYPE		DESCRIPTION			

1	8	0	0	0	40	NA	41
PERSONNEL INJURIES		NUMBER		DESCRIPTION			

1	9	Z	42	NA	43
LOSS OF OR DAMAGE TO FACILITY		DESCRIPTION			

2	0	N	44	NA	45
PUBLICITY ISSUED		DESCRIPTION			

NRC USE ONLY

NAME OF PREPARER A L MYRABO

PHONE 612/295-5151 Ext. 239

A 091- 8

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL SO 263

REC: KEPPLER J G
NRC

ORG: MAYER L G
N STATES PWR

DOC DATE: 09/01/78
DATE RCVD: 09/06/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RD 50-263/78-015) ON 08/05/78 CONCERNING
AFTER CONTROL ROD ADJUSTMENTS AT 70% PWR, IT WAS DISCOVERED THAT 1 APRM SCRAM
TRIP SETTING WAS 4 TO 5% LOW. ONE OTHER APRM IN THAT CHANNEL WAS BYPASSED,
LEAVING ONE OPERABLE APRM

PLANT NAME: MONTICELLO

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: DL

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

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DISTRIBUTION: LTR 44 ENCL 44
SIZE: 1P+1P

CONTROL NBR: 782490077

THE END

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CCP