



NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

June 20, 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.1.b.

Yours very truly,

L O Mayer, PE
Manager of Nuclear Support Services

LOM/MHV/deh

cc: Director, IE, USNRC (40)
~~Director~~, MIPC, USNRC (3)
MPCA
Attn: J W Ferman

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LICENSEE EVENT REPORT

CONTROL BLOCK

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 M N M N P 1 2 0 0 - 0 0 0 0 0 0 - 0 0 0 4 1 1 1 1 4 5
LICENSEE CODE 14 15 LICENSE NUMBER 26 27 LICENSE TYPE 30 31 EXT 58

CON'T

0 1 REPORT SOURCE 0 5 0 0 0 0 2 6 3 7 0 6 0 6 7 8 9 0 6 2 0 7 8 9
DOCKET NUMBER 60 61 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 DURING NORMAL ASCENSION TO RATED POWER, IT WAS DISCOVERED THAT 4 OF 6 APRM SCRAM
0 3 TRIP SETTINGS WERE 3 TO 4% LOW, EXCEEDING THE 2% ALLOWED BY TECHNICAL SPECIFICATIONS.
0 4 THIS IS LESS CONSERVATIVE THAN THE LEAST CONSERVATIVE ASPECT OF THE LIMITING CONDI-
0 5 TION OF OPERATION ESTABLISHED IN TS 3.1.A (TABLE 3.1.1). SINCE ONE APRM IN EACH
0 6 CHANNEL WAS WITHIN SPECIFICATIONS A HIGH FLUX SCRAM WOULD HAVE OCCURRED AT THE PROPER
0 7 POWER LEVEL. THE EVENT HAD NO EFFECT ON PUBLIC HEALTH OR SAFETY. ONE PREVIOUS
0 8 OCCURRENCE (AO-14, EVENT DATE 5-15-72).

0 9 SYSTEM CODE 1 1 A 11 CAUSE CODE D 12 CAUSE SUBCODE 2 13 COMPONENT CODE I N S T R U 14 COME SUBCODE X 15 VALV SUBCODE 2 16
17 LER NO. REPORT NUMBER 7 8 18 EVENT YEAR 7 8 19 SEQUENTIAL REPORT NO. 0 1 1 20 OCCURRENCE CODE 0 1 21 REPORT TYPE T 22 REVISION NO. 0
ACTION TAKEN 18 FUTURE ACTION 19 EFFECT ON PLANT 20 SHUTDOWN METHOD 21 HOURS 22 ATTACHMENT SUBMITTED 23 N 24 N 25 N 26 G 0 8 0 26
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 APRMS WERE CALIBRATED AT LOW (50%) POWER. SUBSEQUENT POWER INCREASES AND POWER SHAPE
1 1 CHANGES CAUSED THE APRMS TO READ LOW DUE TO BIASED DISTRIBUTION OF LPRMS WITHIN APRM
1 2 PAGES. GAIN SETTINGS WERE IMMEDIATELY CORRECTED. PROCEDURES REVISED TO REQUIRE
1 3 APRM CHECKS AGAINST INSTANTANEOUS COMPUTER HEAT BALANCE EVERY 10% OF POWER CHANGE.

1 4 FACILITY STATUS 1 5 C 16 OTHER STATUS 17 NA 18 METHOD OF DISCOVERY 19 B 20 OPERATOR OBSERVATION 21
22 DISCOVERY DESCRIPTION 23

1 5 ACTIVITY CONTENT 1 6 2 17 RELEASED OR RELEASE 1 8 2 19 AMOUNT OF ACTIVITY 20 NA 21 LOCATION OF RELEASE 22 NA 23

1 6 PERSONNEL EXPOSURES 1 7 0 1 2 37 2 38 NA 39

1 7 PERSONNEL INJURIES 1 8 0 1 2 40 2 41 NA 42

1 8 LOSS OF OR DAMAGE TO FACILITY 1 9 2 20 TYPE 21 NA 22 DESCRIPTION 23

1 9 PUBLICITY 20 ISSUED 21 2 22 DESCRIPTION 23 NA 24

NRC USE ONLY

04/29/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-263

REC: KEPPLER J G
NRC

ORG: MAYER L O
N STATES PWR

DOCDATE: 06/20/78
DATE RCVD: 06/27/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RO 50-263/78-011) ON 06/06/78 CONCERNING
DURING NORMAL ASCENSION TO RATED PWR, IT WAS DISCOVERED THAT 4 OF 6 APRM
SCRAM TRIP SETTING WERE 3 TO 4% LOW, EXCEEDING THE 2% ALLOWED BY TECH SPECS.

PLANT NAME: MONTICELLO

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: *he*

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

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF ORD#3 DC**W/4 ENCL

INTERNAL:

REG FILE**W/ENCL
I & C**W/2 ENCL
I & C SYSTEMS BR**W/ENCL
NOVAK/CHECK**W/ENCL
AD FOR ENG**W/ENCL
HANAUER**W/ENCL
AD FOR SYS & PROJ**W/ENCL
ENGINEERING BR**W/ENCL
KREGER/J. COLLINS**W/ENCL
K SEYFRIT/IE**W/ENCL

NRC PDR**W/ENCL
MIPC**W/3 ENCL
EMERGENCY PLAN BR**W/ENCL
EED**W/ENCL
PLANT SYSTEMS BR**W/ENCL
AD FOR PLANT SYSTEMS**W/ENCL
REACTOR SAFETY BR**W/ENCL
VOLLMER/BUNCH**W/ENCL
POWER SYS BR**W/ENCL

EXTERNAL:

LPDR-3
MINNEAPOLIS, MN**W/ENCL
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NSIC**W/ENCL
ACRS CAT B**W/16 ENCL

DISTRIBUTION: LTR 45 ENCL 45
SIZE: 1P+1P

CONTROL NBR: 791200031

***** THE END *****