

B 8/16/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-263

REC: KEPPLER J G
NRC

ORG: MAYER L O
N STATES PWR

DOCDATE: 08/10/78
DATE RCVD: 08/15/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED

SUBJECT: LTR 1 ENCL 1

LICENSEE EVENT REPT 50-263/78-14 ON 07/28/78 CONCERNING CRD 30-47 DELAYING APPROX 1.4 SECONDS BEFORE SCRAMMING FOLLOWING A REACTOR SRCAM.

PLANT NAME: MONTICELLO

REVIEWER INITIAL: XBT
DISTRIBUTOR INITIAL: *u*

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

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF DRB#3 BC**W/4 ENCL

INTERNAL:

REG FILE**W/ENCL
I & E**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
EEB**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'S
MINNEAPOLIS, MN**W/ENCL
TIC, LIZ CARTER**W/ENCL
NSIC**W/ENCL
ACRS CAT B**W/16 ENCL

A104

DISTRIBUTION: LTR 45 ENCL 45
SIZE: 2P

CONTROL NBR: 782230301

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

cep

NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

REGULATORY DOCKET FILE COPY

REGISTRATION
DIVISION
SERVICES
FRANCHISE

August 10, 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

Defective CRD Scram Pilot Solenoid

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.i.

Yours very truly,



L O Mayer, PE
Manager of Nuclear Support Services

LOM/JAG/ak

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

-over-

782230301

Aug 21 11:11 AM '78
HEX TO
HEX TO

LICENSEE EVENT REPORT

CONTROL BLOCK: _____ (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

7 8 9 14 15 25 26 30 57 58 80
0 1 | M | N | M | N | P | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

7 8 60 61 68 69 74 75 80
CONT
0 1 | L | 6 | 0 | 5 | 0 | - | 0 | 2 | 6 | 3 | 7 | 0 | 7 | 2 | 8 | 7 | 8 | 8 | 0 | 8 | 1 | 0 | 7 | 8 | 9
REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

0 2 | DURING REVIEW OF SCRAM INSERTION TIMES FOLLOWING REACTOR SCRAM, IT WAS DETERMINED
0 3 | THAT CRD 30-47 DELAYED APPROXIMATELY 1.4 SECONDS BEFORE SCRAMMING. DURING SUBSEQUENT
0 4 | SURVEILLANCE TEST CRD 30-47 FAILED TO SCRAM. ROD SCRAMMED IN ACTUAL PLANT SCRAM DUE
0 5 | TO BACKUP SCRAM PILOT VALVES. EVENT REPORTABLE PER T.S. 6.7.B.1.i. EVENT HAD NO
0 6 | EFFECT ON PUBLIC HEALTH AND SAFETY. ALL RODS OPERABLE. ONE SIMILAR PREVIOUS
0 7 | OCCURRENCE (M-RO-78-10).
0 8 | _____

7 8 9 11 12 13 18 19 20 21 22 23 24 26 27 28 29 30 31 32 33 34 35 36 37 40 41 42 43 44 47
0 9 | R | B | 11 | E | 12 | F | 13 | V | A | L | V | O | P | 14 | E | 15 | Z | 16 |
17 | LER/RO REPORT NUMBER | 7 | 8 | SEQUENTIAL REPORT NO. | 0 | 1 | 4 | OCCURRENCE CODE | 0 | 1 | REPORT TYPE | T | REVISION NO. | 0 |
ACTION TAKEN | FUTURE ACTION | EFFECT ON PLANT | SHUTDOWN METHOD | HOURS | ATTACHMENT SUBMITTED | NPRD-4 FORM SUB. | PRIME COMP. SUPPLIER | COMPONENT MANUFACTURER
A | 18 | A | 19 | A | 20 | A | 21 | 0 | 0 | 3 | 7 | N | 23 | Y | 24 | N | 25 | A | 6 | 1 | 0 | 26

0 10 | CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
1 0 | BUNA-N DISC IN SCRAM PILOT VALVE SOLENOID PLUNGER BROKEN INTO SEVERAL PIECES WEDGING
1 1 | AND PREVENTING VALVE FROM VENTING AIR ON SCRAM VALVES. DISC WAS BRITTLE DUE TO NATURAL
1 2 | END OF LIFE. PLUNGER ON THIS AND ALL OTHER SCRAM PILOT VALVES REPLACED. 6 ADDITIONAL
1 3 | FAILED PLUNGER DISCS FOUND. ALL VALVES FUNCTIONALLY TESTED SATISFACTORILY FOR SCRAM
1 4 | OPERATION. PM INITIATED TO REPLACE PLUNGERS ON A PERIODIC BASIS.

7 8 9 10 12 13 30 32 44 45 46 80
1 5 | C | 28 | 0 | 5 | 3 | 29 | NA | 30 | B | 31 | OPERATOR OBSERVATION | 32

7 8 9 10 11 44 45 80
1 6 | Z | 33 | Z | 34 | NA | 35 | NA | 36

7 8 9 11 12 13 39 80
1 7 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39

7 8 9 11 12 41 80
1 8 | 0 | 0 | 0 | 40 | NA | 41

7 8 9 10 12 43 80
1 9 | Z | 42 | NA | 43

7 8 9 10 45 80
2 0 | N | 44 | NA | 45
NRC USE ONLY
68 69 80