

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 2113

FILE: _____

| | | | | | | | |
|---|----------------|-----------------------|-----------------------|--------------------|--|-----|-------|
| FROM: Northern States Power Company Minneapolis, Minnesota L. O. Mayer | | DATE OF DOC 3-8-74 | DATE REC'D 3-14-74 | LTR X | MEMO | RPT | OTHER |
| TO: J. F. O'Leary | | ORIG | CC 40 | OTHER | SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u> | | |
| CLASS | UNCLASS XXX | PROP INFO | INPUT | NO CYS REC'D 40 | DOCKET NO: 50-263 | | |

DESCRIPTION:

Ltr furn supplement #1 to rpt entitles "Permanent Plant Changes to Accommodate Equilibrium Core Scram Reactivity Characteristics"

PLANT NAME: MONTICELLO

ENCLOSURES:

ACKNOWLEDGED
DO NOT REMOVE

FOR ACTION/INFORMATION 3-14-74 GMC

- | | | | |
|------------------------|---------------------------|-----------------------------|-----------------------|
| BUTLER(L) W/ Copies | SCHWENCER(L) W/ Copies | ✓ ZIEMANN(L) W/ 9 Copies | REGAN(E) W/ Copies |
| CLARK(L) W/ Copies | STOLZ(L) W/ Copies | DICKER(E) W/ Copies | W/ Copies |
| GOLLER(L) W/ Copies | VASSALLO(L) W/ Copies | KNIGHTON(E) W/ Copies | W/ Copies |
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INTERNAL DISTRIBUTION

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

EXTERNAL DISTRIBUTION

- | | | |
|---|------------------------------|------------------------|
| ✓ 1 - LOCAL PDR MINNEAPOLIS, MINN | (1)(2)(10)-NATIONAL LAB'S | 1-PDR-SAN/LA/NY |
| ✓ 1 - DTIE(ABERNATHY) | 1-ASLBP(E/W Bldg, Rm 529) | 1-GERALD LELLOUCHE |
| ✓ 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) |
| ✓ 16 - CYS ACRS NOTHING | NEWMARK/BLUME/AGBABIAN | RM-B-127, GT. |
| Sent to Lic Asst Diggs 3-14-74 | 1-GERALD ULRIKSON...ORNL | 1-RD..MULLER..F-309 GT |



NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

March 8, 1974

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



Dear Mr. O'Leary:

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

Supplement No. 1 to January 23, 1974 Report Entitled
"Permanent Plant Changes to Accommodate Equilibrium
Core Scram Reactivity Characteristics"

On January 23, 1974, we submitted a report entitled "Permanent Plant
Changes to Accommodate Equilibrium Core Scram Reactivity Characteristics."
In subsequent discussions on the subject, you requested that we identify
the measures taken to interface the Prompt Relief Trip System (PRT) without
degrading existing safety systems. The PRT interfaces with the Reactor
Protection System (RPS) and the Automatic Pressure Relief System (APR).
The PRT does not degrade the capability of either of these systems.

The PRT receives isolated relay contact outputs from the RPS. The inputs
to PRT channel A (division 1) are from RPS channels A (division 1A) and
B (division 1B). A single failure in PRT channel A will not disable both
RPS channels A and B. The relay contacts will prevent reflection into
the remainder of each RPS channel.

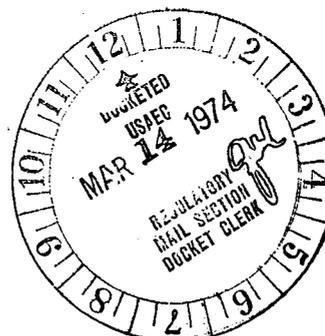
The PRT has outputs to the relief valves through the APR system
in several cases. The PRT outputs are electrically paralleled with the
APR outputs. A short circuit of the PRT output will open a relief valve
but will not affect the APR. A hot short of the wrong polarity on a PRT
output will blow the fuses in the APR for one relief valve. The outputs
from the PRT are of the same grade and configuration as the APR outputs.

Yours truly,

L. O. Mayer (handwritten signature)

L O Mayer, PE
Director of Nuclear Support Services

cc: J G Keppler
G Charnoff
Minnesota Pollution Control Agency
Attn. E A Pryzina



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