

FROM:

**Northern States Power Company**  
**Minneapolis, Minnesota 55401**  
**R. G. Duncanson, Jr.**

TO:

**Dr. Peter A. Morris**

CLASSIF:

U

POST OFFICE

REG. NO:

DESCRIPTION: (Must Be Unclassified)

**Ltr reporting an incident of a  
 failure of a protection system  
 sensor on 12-23-70....**

ENCLOSURES:

REMARKS:

DATE OF DOCUMENT:

1-12-71

DATE RECEIVED

1-21-71

NO.:

205

LTR.

MEMO:

PORT:

OTHER:

X

ORIG.:

CC:

OTHER:

1

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ACTION NECESSARY ☐NO ACTION NECESSARY ☐CONCURRENCE ☐COMMENT ☐

DATE ANSWERED:

BY:

FILE CODE:

50-263

REFERRED TO

DATE

RECEIVED BY

DATE

**Muller**  
**w/9 cys for ACTION**

1-21-71

**DISTRIBUTION:**

**Regulatory File**  
**AEC PDR**

**Compliance (2)**  
**OGC(Rm P 506A)**

**H. Price & Staff**  
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**Skovholt**

**Boyd**  
**DeYoung**

**DTIE(Laughlin)**  
**NSIC(Buchanan)**

DO NOT REMOVE

ACKNOWLEDGED

U.S. ATOMIC ENERGY COMMISSION

**MAIL CONTROL FORM** FORM AEC-326S  
 (8-60)

# NSP

Regulatory

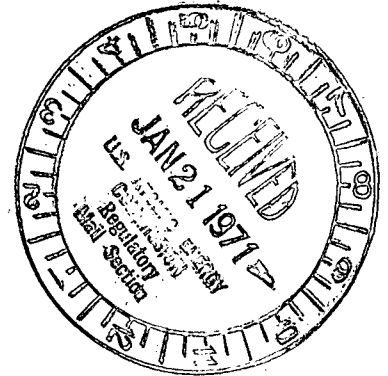
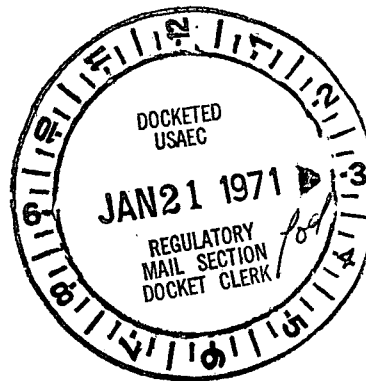
File Cy.

**NORTHERN STATES POWER COMPANY**

Minneapolis, Minnesota 55401

January, 12, 1971

Dr. Peter A. Morris, Director  
Division of Reactor Licensing  
United States Atomic Energy Commission  
Washington, D.C. 20545



Dear Dr. Morris:

MONTICELLO NUCLEAR GENERATING PLANT E-5979  
Docket No. 50-263 License No. DPR-22-  
Unsafe Failure of Protection System Sensor

An unsafe failure of a protection system sensor has occurred at the Monticello Nuclear Generating Plant. We interpret this occurrence to be reportable to your office in accordance with Section 6.6.C.1 of Appendix A, Technical Specifications, of the Provisional Operation License DPR-22. The Region III Compliance office has been previously notified of the occurrence.

Summary Description of Occurrence

On December 23, 1970, a failed low reactor water level scram switch was discovered while performing a regularly scheduled surveillance test of the reactor low water level scram and isolation instruments. The level switch failed to open at the scram setpoint of +9" (downscale). The switch was replaced and the instrument successfully tested on December 23rd.

As a result of the occurrence one of the four reactor level scram input signals to the Plant Protection System was inoperable for an unknown period of time not exceeding one month. (The last functional test of the instrument was successfully completed on November 25, 1970). The single failure did not defeat the reactor low water scram and isolation protection since the functional test performed on the remaining three instruments verified that they were operable.

An on-site Unusual Occurrence investigation of the occurrence has been completed and a report has been written. This information will be available to the Region III Compliance Inspector for review during his next site inspection.

Yours very truly,

R.O. Duncanson, Jr., P.E.  
Gen. Supt. of Power Plants-Mechanical  
Chairman-Monticello Safety Audit Committee

ROD/caf

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2017-2018

6. The following information is being furnished to you for your information: