

FROM: Northern States Power Company Minneapolis, Minnesota 55401 L. O. Mayer		DATE OF DOC: 6-4-73	DATE REC'D 6-6-73	LTR x	MEMO	RPT	OTHER
TO: J. F. O'Leary		ORIG 1	CC 39	OTHER	SENT AEC PDR x SENT LOCAL PDR x		
CLASS: <input checked="" type="checkbox"/> PROP INFO		INPUT	NO CYS REC'D 40	DOCKET NO: 50-263			

DESCRIPTION:
Ltr reporting an abnormal occurrence on 5-25-73, in which the Standby Liquid Control System sodium pentaborate concentration was found to be below Tech Specs limit.....

PLANT NAMES: Monticello

ENCLOSURES:

**DO NOT REMOVE
ACKNOWLEDGED**

FOR ACTION/INFORMATION

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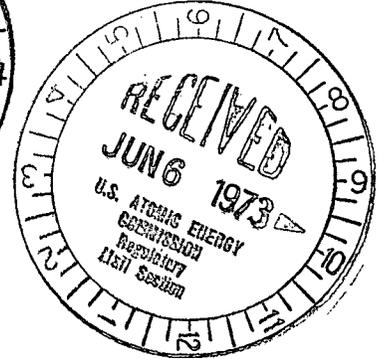
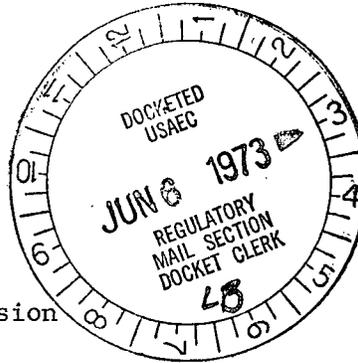
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NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

June 4, 1973

Mr. J F O'Leary, Director
Directorate of Licensing
United States Atomic Energy Commission
Washington, D C 20545



Dear Mr. O'Leary:

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

Low Boron Concentration in Standby Liquid Control System

A condition occurred at Monticello Nuclear Generating Plant which we are reporting to your office in accordance with Section 6.7.B.1, Abnormal Occurrence Reports, of the Technical Specifications, of Provisional Operating License DPR-22.

At 0030 on May 25, 1973, the Standby Liquid Control System sodium pentaborate concentration was measured following an addition of water to the tank. The concentration was found to be below that required by Technical Specification 3.4.C.

On May 24, 1973 an addition of water to the liquid poison tank was authorized without an addition of boron chemicals. The liquid poison concentration in the tank was not verified by measurement prior to the authorized addition of water. This addition of water was based on a liquid poison concentration which had been measured on May 12, 1973 prior to an addition of water to the tank on that day instead of the measurement subsequent to the May 12, 1973 water addition. As a result, the sodium pentaborate concentration dropped to 11.1% on May 25 for a tank volume of 2820 gallons. This concentration was below the minimum concentration allowed by Technical Specification 3.4.C.

Chemicals were added to bring the tank solution concentration within Technical Specification 3.4.C. The resultant concentration was 11.7% at a volume of 2820 gallons.

The following procedural changes are being implemented:

1. The liquid poison tank concentration will be measured within a twelve hour period prior to the addition of chemicals and/or water. (The tank concentration will continue to be determined following the addition of chemicals or water.)

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Mr. J F O'Leary

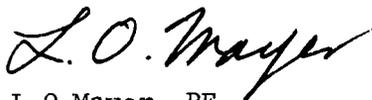
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June 4, 1973

2. Additions to the poison tank will be made with the approval of the Operations Supervisor and the Plant Chemist.
3. All additions to the liquid poison tank will be specified and documented on a written form.

The above mentioned procedural changes will eliminate occurrences of this nature in the future. The cause of this occurrence is not related to any previous malfunction. There are no similar systems which could be affected by a similar occurrence.

Yours very truly,



L O Mayer, PE
Director of Nuclear Support Services

LOM/br

cc: B H Grier
G Charnoff
Minnesota Pollution Control Agency
Attn. Ken Dzugan