Northern States Power Company

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May 22, 1981

Mr J G Keppler
Office of Inspection & Enforcement
US Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

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

AC Interlock Design Problem

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. An interlock associated with an engineered safeguards system was found to be improperly designed.

L O Mayer, PE
Manager of Nuclear Support Services

LOM/DMM/jh

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

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NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 | 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 (9–14); LICENSE NUMBER (15–25); LICENSE TYPE (26–30); CAT (57–58)

CON'T
01 | REPORT SOURCE L (6) | 0 5 0 0 0 2 6 3 (7) | 0 5 0 8 8 1 (8) | 0 5 2 2 8 1 (9)
DOCKET NUMBER (61–68); EVENT DATE (69–74); REPORT DATE (75–80)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 AC interlock permitting auto blowdown with ADS was energized with core spray pump
03 not running. AC interlock is energized when a pressure ≥ 85 psi exists in the
04 line and should be energized only when a pump is running. Occurrence reportable
05 under Technical Specifications 6.7.B.1.i. No previous similar reportable events.
06 No effect on public health or safety.
07
08

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
09	S F (11)	B (12)	A (13)	Z Z Z Z Z Z (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 1	—	0 1 3	/	0 1	T	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	F (19)	Z (20)	Z (21)	0 0 0 0	N (23)	N (24)	A (25)	Z 9 9 9 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 AC interlock instrument tap located downstream of pump discharge check valve on
11 section of line that remains pressurized following pump shutdown. Partially secured
12 open pump discharge check valve bypass valve to allow line depressurization while
13 still maintaining core spray pipe filled. Modification being pursued to move
14 instrument tap upstream of pump discharge check valve.

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
15	H (28)	0 0 0 (29)	NA	B (31)	ECCS Test

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
16	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
17	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
18	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
19	Z (42)	NA

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
20	N (44)	NA	

NAME OF PREPARER A. V. Wojchouski PHONE: (612)295-5151

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GPO 917-925