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AUTH.NAME AUTHOR AFFILIATION
SHURTS,S.J. Northern States Power Co.
RECIP.NAME RECIPIENT AFFILIATION
Region 3, Chicago, Office of the Director

SUBJECT: LER 80-022/03L-0:on 800529,primary containment oxygen concentration exceeded 5% by weight Tech Spec limit.Caused by open svc air isolation valve to drywell.Procedures have been revised to assure proper valve positioning.

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JUL 2 1980

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NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

June 26, 1980

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

Excessive Oxygen in Containment

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.2.b. in that it represents operation in a degraded mode for a short period of time as allowed by the Limiting Conditions for Operation.

Yours very truly,

David Musolf for

L O Mayer, PE
Manager of Nuclear Support Services

LOM/DMM/jh

cc: Director, IE, USNRC (30)
Director, MIPC, USNRC (3)
MPCA
Attn: J W Ferman

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 U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

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

CON'T
| 0 | 1 | REPORT SOURCE L (6) 0 5 0 0 0 2 6 3 (7) 0 5 2 9 8 0 (8) 0 6 2 6 8 0 (9)

DOCKET NUMBER (61–68) · EVENT DATE (69–74) · REPORT DATE (75–80)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

| 0 | 2 | The oxygen concentration of primary containment was found to exceed the 5% by weight
| 0 | 3 | limit specified in Technical Specification 3.7.A.5.a during the weekly surveillance
| 0 | 4 | test. The oxygen concentrations in the drywell and suppression chamber were 5.75% and
| 0 | 5 | 5.3% respectively. There has been one previous similar occurrence (RO-76-14). This
| 0 | 6 | occurrence had negligible affect on public health and safety.
| 0 | 7 |
| 0 | 8 |

| 0 | 9 | SYSTEM CODE: S A (11) · CAUSE CODE: D (12) · CAUSE SUBCODE: Z (13) · COMPONENT CODE: V A L V E X (14) · COMP. SUBCODE: E (15) · VALVE SUBCODE: D (16)

(17) LER/RO REPORT NUMBER: EVENT YEAR 8 0 · — · SEQUENTIAL REPORT NO. 0 1 2 · / · OCCURRENCE CODE 0 3 · REPORT TYPE L · — · REVISION NO. 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)	G (19)	Z (20)	Z (21)	0 0 0 0	N (23)	N (24)	A (25)	C 6 6 5 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

| 1 | 0 | Upon discovery, actions taken to reduce O_2 to less than 5% (accomplished within 8 hrs.)
| 1 | 1 | Service air isolation valve to drywell found open. Leakage at drywell air stations
| 1 | 2 | caused gradual increase in O_2 over several week period. Procedures and checklists have
| 1 | 3 | been revised to assure proper positioning of service air isolation valve during opera-
| 1 | 4 | tion and assure that greater margins to O_2 limit are maintained.

| 1 | 5 | FACILITY STATUS: E (28) · % POWER: 1 0 0 (29) · OTHER STATUS (30): NA · METHOD OF DISCOVERY: B (31) · DISCOVERY DESCRIPTION (32): Operator Observation

| 1 | 6 | ACTIVITY RELEASED: Z (33) · CONTENT OF RELEASE: Z (34) · AMOUNT OF ACTIVITY (35): NA · LOCATION OF RELEASE (36): NA

PERSONNEL EXPOSURES
| 1 | 7 | NUMBER: 0 0 0 (37) · TYPE: Z (38) · DESCRIPTION (39): NA

PERSONNEL INJURIES
| 1 | 8 | NUMBER: 0 0 0 (40) · DESCRIPTION (41): NA

LOSS OF OR DAMAGE TO FACILITY (43)
| 1 | 9 | TYPE: Z (42) · DESCRIPTION: NA

PUBLICITY
| 2 | 0 | ISSUED: N (44) · DESCRIPTION (45): NA · NRC USE ONLY

NAME OF PREPARER S[redacted]. Shurts [redacted]E: 612/295-5151

8007010542

NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

Line	Field	Value
01	Licensee Code (2)	M N M N P 1
01	License Number (3)	0 0 - 0 0 0 0 0 - 0 0
01	License Type (4)	4 1 1 1 1
01	CAT (5)	
01 CON'T	Report Source (6)	L
01	Docket Number (7)	0 5 0 0 0 2 6 3
01	Event Date (8)	0 5 2 9 8 0
01	Report Date (9)	0 6 2 6 8 0

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 The oxygen concentration of primary containment was found to exceed the 5% by weight
0 3 limit specified in Technical Specification 3.7.A.5.a during the weekly surveillance
0 4 test. The oxygen concentrations in the drywell and suppression chamber were 5.75% and
0 5 5.3% respectively. There has been one previous similar occurrence (RO-76-14). This
0 6 occurrence had negligible affect on public health and safety.
0 7
0 8

Line	System Code (11)	Cause Code (12)	Cause Subcode (13)	Component Code (14)	Comp. Subcode (15)	Valve Subcode (16)
0 9	S A	D	Z	V A L V E X	E	D

LER/RO Report Number (17)	Event Year		Sequential Report No.		Occurrence Code	Report Type		Revision No.
	8 0	—	0 2 2	/	0 3	L	—	0

Action Taken (18)	Future Action (19)	Effect on Plant (20)	Shutdown Method (21)	Hours (22)	Attachment Submitted (23)	NPRD-4 Form Sub. (24)	Prime Comp. Supplier (25)	Component Manufacturer (26)
X	G	Z	Z	0 0 0 0	N	N	A	C 6 6 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Upon discovery, actions taken to reduce O_2 to less than 5% (accomplished within 8 hrs.)
1 1 Service air isolation valve to drywell found open. Leakage at drywell air stations
1 2 caused gradual increase in O_2 over several week period. Procedures and checklists have
1 3 been revised to assure proper positioning of service air isolation valve during opera-
1 4 tion and assure that greater margins to O_2 limit are maintained.

Line	Facility Status (28)	% Power (29)	Other Status (30)	Method of Discovery (31)	Discovery Description (32)
1 5	E	1 0 0	NA	B	Operator Observation

Line	Activity Released (33)	Content of Release (34)	Amount of Activity (35)	Location of Release (36)
1 6	Z	Z	NA	NA

PERSONNEL EXPOSURES

Line	Number (37)	Type (38)	Description (39)
1 7	0 0 0	Z	NA

PERSONNEL INJURIES

Line	Number (40)	Description (41)
1 8	0 0 0	NA

LOSS OF OR DAMAGE TO FACILITY (43)

Line	Type (42)	Description
1 9	Z	NA

PUBLICITY

Line	Issued (44)	Description (45)	NRC USE ONLY
2 0	N	NA	

NAME OF PREPARER S. J. Shurts PHONE: 612/295-5151

8007080542

GPO 917-926