

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0	9	CODE		M	B	11	CODE		D	12	SUBCODE		Z	13	COMPONENT CODE						Z	Z	Z	Z	Z	Z	14	COMP SUBCODE		Z	15	VALVE SUBCODE		Z	16			
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB		PRIME COMP. SUPPLIER		CAUSE DESCRIPTION AND CORRECTIVE ACTIONS		COMPONENT MANUFACTURER								
8		3		1		0		1		0		T		G		Z		Z		0		Y		N		Z		Z		9		9		9				

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
1	5	G	29	0	0	0	23	NA	30
ACTIVITY CONTENT		RELEASED OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE		OPERATOR OBSERVATION	
1	6	Z	33	Z	34	NA	35	NA	36
PERSONNEL EXPOSURES		PERSONNEL INJURIES		LOSS OF OR DAMAGE TO FACILITY		PUBLICITY		ISSUED	
1	7	0	0	0	37	Z	38	NA	39
1	8	0	0	0	40	NA	41	NA	42
1	9	Z	42	NA	43	NA	44	NA	45
2	0	N	44	NA	45	NRC USE ONLY			

PHONE: (616) 465-5901

ATTACHMENT TO LER# 83-108/01T-0
SUPPLEMENT TO CAUSE DESCRIPTION

DURING THE STARTUP OF UNIT 2, THE VOLUME CONTROL TANK WAS VENTED TO THE VENT HEADER PER PROCEDURE TO ESTABLISH A HYDROGEN ATMOSPHERE. THE VOLUME CONTROL TANK GAS SPACE AT THE TIME OF VENTING WAS OXYGENATED CAUSING THE WASTE GAS HOLDUP SYSTEM TO EXCEED THE TECHNICAL SPECIFICATION LIMIT OF 4%. A MAXIMUM CONCENTRATION OF 4.25% OXYGEN WAS DETECTED IN THE #3 GAS DECAY TANK WITH A HYDROGEN CONCENTRATION OF 4.5%. THE #3 GAS DECAY TANK WAS PRESSURIZED WITH NITROGEN IN AN ATTEMPT TO BRING THE OXYGEN CONCENTRATION WITHIN SPECIFICATION. THE WASTE GAS HOLD-UP SYSTEM (#3 GAS DECAY TANK) REMAINED OUT OF SPECIFICATION FOR APPROXIMATELY 35 HOURS.

THE VENTING OF THE VOLUME CONTROL TANK INTO THE VENT HEADER DURING STARTUP WAS A NORMAL OPERATING FUNCTION. AS THE OXYGENATION OF THE WASTE GAS SYSTEM WAS ANTICIPATED, THIS GAS WAS DIRECTED ONLY INTO THE #3 GAS DECAY TANK. DURING THIS TIME PERIOD, ACTION ITEM B OF TECHNICAL SPECIFICATION 3.11.2.5 WAS NOT MET. THE #3 GAS DECAY TANK WAS SUBSEQUENTLY DILUTED WITH NITROGEN AND RELEASED.

PROCEDURES FOR COMMUNICATING OUT OF SPECIFICATION OXYGEN CONDITIONS AND ACTIONS REQUIRED IN THE GASEOUS RAD WASTE SYSTEM WERE INADEQUATE. TO PREVENT RECURRENCE OF THIS TYPE A FORMAL METHOD FOR COMMUNCIATING HAS BEEN DRAFTED TO CLARIFY RESPONSIBILITY AND ACTIONS TO BE TAKEN.

**INDIANA & MICHIGAN ELECTRIC COMPANY**

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
(616) 465-5901

December 2, 1983

Mr. J.G. Keppler, Regional Administrator
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

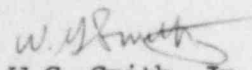
Operating License DPR-74
Docket No. 50-316

Dear Mr. Keppler:

Pursuant to the requirements of the Appendix A Technical Specifications,
the following report/s are submitted:

RO 83-108/01T-0

Sincerely,


W.G. Smith, Jr.
Plant Manager

/chm

cc: J.E. Dolan
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