

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8706170502 DOC. DATE: 87/06/08 NOTARIZED: NO DOCKET #
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
 AUTH. NAME AUTHOR AFFILIATION
 PARIS, J. M. Indiana & Michigan Electric Co.
 SMITH, W. G. Indiana & Michigan Electric Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 83-077/01X-1: on 830824, control room smoke detectors declared inoperable. Caused by difference in interpretation of what required to meet requirements of Unit. Tech Spec Statement initiated. W/870608 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

	RECIPIENT ID CODE/NAME	COPIES L TTR ENCL	RECIPIENT ID CODE/NAME	COPIES L TTR ENCL
	PD3-3 LA	1 1	PD3-3 PD	1 1
	WIGGINGTON, D	1 1		
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2
	AEOD/DOA	1 1	AEOD/DSP/ROAB	2 2
	AEOD/DSP/TPAB	1 1	DEDRO	1 1
	NRR/DEST/ADE	1 0	NRR/DEST/ADS	1 0
	NRR/DEST/CEB	1 1	NRR/DEST/ELB	1 1
	NRR/DEST/ICSB	1 1	NRR/DEST/MEB	1 1
	NRR/DEST/MTB	1 1	NRR/DEST/PSB	1 1
	NRR/DEST/RSB	1 1	NRR/DEST/SGB	1 1
	NRR/DLPQ/HFB	1 1	NRR/DLPQ/GAB	1 1
	NRR/DOEA/EAB	1 1	NRR/DREP/RAB	1 1
	NRR/DREP/RPB	2 2	NRR/PMAS/ILRB	1 1
	NRR/PMAS/PTSB	1 1	REG FILE 02	1 1
	RES DEPY GI	1 1	RGN3 FILE 01	1 1
EXTERNAL:	EG&G GROH, M	5 5	H ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
	NSIC HARRIS, J	1 1	NSIC MAYS, G	1 1

LICENSEE EVENT REPORT

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

01 MIDC C 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 14 16 25 28 30 37 38

CONT
01 REPORT SOURCE L 0 5 0 0 0 3 1 6 7 0 8 2 4 8 3 8 0 6 0 8 8 7 9
7 8 9 14 16 25 28 30 37 38

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
02 ON AUGUST 24, 1983 FOLLOWING A DISCUSSION WITH THE NRC REGION

03 III, WE DECLARED OUR CONTROL ROOM SMOKE DETECTORS INOPERABLE,
04 THIS IS NON-CONSERVATIVE WITH RESPECT TO TECHNICAL SPECIFICATION
05 3.3.3.8 TABLE 3.3-11 ITEM 2. THE DETECTORS WERE DECLARED
06 INOPERABLE BECAUSE WE HAVE NOT SATISFACTORILY DEMONSTRATED
07 THAT THE DETECTORS WILL PERFORM AS INSTALLED. (SEE ATTACHED
08 SUPPLEMENT)

09 SYSTEM CODE AB (11) CAUSE CODE B (12) CAUSE SUBCODE A (13) COMPONENT CODE INSTRU (14) COMP. SUBCODE E (15) VALVE SUBCODE Z (16)
7 8 9 10 11 12 13 14 15 16 17 18 19 20
17 LER/RO REPORT NUMBER 8 3 (21) SEQUENTIAL REPORT NO. 0 7 7 (22) OCCURRENCE CODE 0 1 (23) REPORT TYPE X (24) REVISION NO. 1 (25)
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
ACTION TAKEN F (18) FUTURE ACTION Z (19) EFFECT ON PLANT Z (20) SHUTDOWN METHOD Z (21) HOURS 0 0 0 0 (22) ATTACHMENT SUBMITTED Y (23) NPRO-4 FORM SUB. N (24) PRIME COMP. SUPPLIER A (25) COMPONENT MANUFACTURER P 4 3 5 (26)
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
10 THIS EVENT WAS CAUSED BY THE DIFFERENCE IN THE INTERPRETATION OF
11 OF WHAT WAS REQUIRED TO MEET THE REQUIREMENTS OF UNIT 2 FACILITY
12 OPERATING LICENSE NO. DPR-74, SECTION 2.c.(3)(0)(b). (SEE
13 ATTACHED SUPPLEMENT)

14
15 FACILITY STATUS E (28) % POWER 1 0 0 0 (29) OTHER STATUS NA (30) METHOD OF DISCOVERY D (31) DISCOVERY DESCRIPTION NRC NOTIFICATION (32)
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
16 ACTIVITY CONTENT Z (33) Z (34) NA (35) AMOUNT OF ACTIVITY NA (36) LOCATION OF RELEASE NA (37)
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

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

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

19 LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) DESCRIPTION NA (43)
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

20 PUBLICITY ISSUED Z (44) DESCRIPTION NA (45) PDR 8706170502 870608 NRC USE ONLY
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

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ATTACHMENT TO LER #83-077/01X-1

SUPPLEMENT TO EVENT DESCRIPTION

ON AUGUST 24, 1983, FOLLOWING A DISCUSSION WITH THE NRC REGION III, WE DECLARED OUR CONTROL ROOM SMOKE DETECTORS INOPERABLE. THIS IS NON-CONSERVATIVE WITH RESPECT TO TECHNICAL SPECIFICATION 3.3.3.8 TABLE 3.3-11 ITEM 2. THE DETECTORS WERE DECLARED INOPERABLE BECAUSE WE HAVE NOT SATISFACTORILY DEMONSTRATED THAT THE DETECTORS WILL PERFORM AS INSTALLED, FOLLOWING THE INITIAL TESTING AND ENGINEERING MODIFICATIONS THAT RESULTED FROM THAT TESTING. TESTS HAVE BEEN PERFORMED WHICH DEMONSTRATE THAT THE INDIVIDUAL DETECTORS WILL FUNCTION. UPON DECLARING THE DETECTORS INOPERABLE WE IMMEDIATELY INITIATED THE REQUIRED TECHNICAL SPECIFICATION ACTION STATEMENT.

WE BELIEVE THAT THERE HAVE BEEN NO ADVERSE CONSEQUENCES AS A RESULT OF THE DETECTORS NOT BEING TESTED IN THE INSTALLED OR MODIFIED CONDITIONS. THIS CONCLUSION IS BASED ON THE FACT THAT THE CONTROL ROOMS HAVE BEEN CONTINUOUSLY INHABITED.

REFERENCES

AEP:NRC:0670F - DATED OCTOBER 11, 1985

ATTACHMENT TO LER #83-077/01X-1

SUPPLEMENT TO CAUSE DESCRIPTION

THIS EVENT WAS CAUSED BY THE DIFFERENCE IN THE INTERPRETATION OF WHAT WAS REQUIRED TO MEET THE REQUIREMENTS OF UNIT 2 FACILITY OPERATING LICENSE NO. DPR-74, SECTION 2.c(3). SPECIFICALLY, WE PREVIOUSLY HAD INTERPRETED THE TESTING IN THE INSTALLED CONDITION AS NOT AFFECTING THE OPERABILITY OF THE DETECTORS.

ON SEPTEMBER 15, 1983, A FIRE DETECTION SYSTEM TEST WAS SATISFACTORILY PERFORMED IN THE UNIT 1 CONTROL ROOM. THE TEST WAS SUCCESSFUL IN DEMONSTRATING THAT A FIRE IN A CLOSED CONTROL CABINET WOULD BE DETECTED BY THE CEILING MOUNTED IONIZATION SMOKE DETECTION SYSTEM. THE TEST WAS WITNESSED BY TWO OUTSIDE CONSULTANTS IN WHICH THEY INDICATED THAT THE TEST SUCCESSFULLY DEMONSTRATED OPERABILITY OF THE FIRE DETECTION SYSTEM. THE CONTROL ROOM IONIZATION SMOKE DETECTION SYSTEM WAS DECLARED OPERABLE AND RETURNED TO SERVICE ON JANUARY 4, 1984.

SINCE BOTH UNIT 1 AND UNIT 2 CONTROL ROOMS ARE SIMILAR WITH RESPECT TO EQUIPMENT LAYOUT INCLUDING IONIZATION DETECTORS, AIR CONDITIONING DIFFUSERS AND RETURNS, THIS TEST WAS DEEMED APPLICABLE TO BOTH UNIT 1 AND UNIT 2 CONTROL ROOMS.



INDIANA & MICHIGAN ELECTRIC COMPANY

Donald C. Cook Nuclear Plant
P.O. Box 458, Bridgman, Michigan 49106

June 8, 1987

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Operating License DPR-58
Docket No. 50-315

Document Control Manager:

In accordance with the criteria established by 10 CFR 50.73 entitled Licensee Event Reporting System, the following report is being submitted:

83-077/01X-1

The subject issue was resolved in January of 1984, however we have no record documenting the submittal of an updated report.

Sincerely,

W. G. Smith, Jr.
Plant Manager

/afh

Attachment

cc: John E. Dolan
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