

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8706180056 DOC. DATE: 87/06/08 NOTARIZED: NO DOCKET #  
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
 AUTH. NAME AUTHOR AFFILIATION  
 PARIS, J. M. Indiana & Michigan Electric Co.  
 SMITH, W. G. Indiana & Michigan Electric Co.  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-079/01x-1: on 830824, control room smoke detectors declared inoperable w/respect to Tech Spec 3.3.3.7. Caused by misinterpretation of requirements. Smoke detection sys tested & returned to svc on 840104. W/870608 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 24  
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR 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/ROAD	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	RGNS 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

UPDATED LER - PREVIOUS REPORT DATE 9-07-83

NRC FORM 308  
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 M I D C C 1 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5  
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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100  
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 54

CONT

01 REPORT SOURCE L 6 0 5 0 0 0 3 1 5 7 0 8 2 4 8 3 8 0 16 0 8 8 7 9  
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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100  
DOCKET NUMBER EVENT DATE REPORT DATE

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 3.3.3.7 TABLE 3.3-10 ITEM 2. THE DETECTORS WERE DECLARED  
06 INOPERABLE BECAUSE WE HAVE NOT SATISFACTORILY DEMONSTRATED THAT  
07 THE DETECTORS WILL PERFORM AS INSTALLED. (SEE ATTACHED  
08 SUPPLEMENT)

09 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE  
A B 11 B 12 A 13 I N S T R U 14 E 15 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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100  
17 LER/RO REPORT NUMBER 8 3 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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100  
ACTION TAKEN F 18 Z 19 Z 20 Z 21 0 0 0 0 22 Y 23 N 24 A 25 P 4 3 5 26  
FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

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

14

15 FACILITY STATUS H 28 0 0 0 29 NA OTHER STATUS 30 METHOD OF DISCOVERY D 31 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 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

16 ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 NA AMOUNT OF ACTIVITY 35 NA LOCATION OF RELEASE 36  
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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

17 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39 0 0 0 37 Z 38 NA  
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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

18 PERSONNEL INJURIES NUMBER DESCRIPTION 41 0 0 0 40 NA  
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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

19 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 43 Z 42 NA  
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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

20 PUBLICITY ISSUED DESCRIPTION 45 N 44 NA 8706180056 870608 PDR ADDCK 05000315 PDR  
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 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

NAME OF PREPARER J. M. PARIS

NRC USE ONLY  
PHONE: (616) 465-5901

IE22  
1/1

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ATTACHMENT TO LER #83-079/01X-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 3.3.3.7 TABLE 3.3-10 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 #83-079/01X-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 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-74  
Docket No. 50-316

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:

83-079/01X-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.*  
W. G. Smith, Jr.  
Plant Manager

/afh

Attachment

cc: John E. Dolan  
A. B. Davis, Region III  
M. P. Alexich  
R. F. Kroeger  
H. B. Brugger  
R. W. Jurgensen  
NRC Resident Inspector  
R. C. Callen  
G. Charnoff, Esq.  
D. Hahn  
INPO  
D. Wigginton, NRC  
PNSRC  
A. A. Blind  
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