REGUL[redacted]RY INFORMATION DISTRIBUTI[redacted] SYSTEM (RIDS)

ACCESSION NBR:8104160395 DOC.DATE: 81/04/09 NOTARIZED: NO DOCKET #
FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315
AUTH.NAME AUTHOR AFFILIATION
WIZNER,D.G. Indiana & Michigan Electric Co.
RECIP.NAME RECIPIENT AFFILIATION
Region 3, Chicago, Office of the Director

SUBJECT: LER 81-006/03L-0:on 810317,ground detected & traced to power cable for motor operated isolation valve,IMO-910,in flowpath from RWST to centrifugal charging pumps.Caused by cable damaged near termination at motor operator junction box.

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	A/D MATL & QU	08	1	1	A/D OP REACTO	09	1	1
	A/D PLANT SYS	10	1	1	A/D RAD PROT	11	1	1
	A/D SFTY ASSE	12	1	1	ACC EVAL BR	14	1	1
	AEOD		3	3	AEOD/DMU		3	3
	ASLBP/J.HARD		1	1	AUX SYS BR	15	1	1
	CHEM ENG BR	16	1	1	CONT SYS BR	17	1	1
	CORE PERF BR	18	1	1	DIR,ENGINEERI	20	1	1
	DIR,HUM FAC S	21	1	1	DIR,SYS INTEG	22	1	1
	EFF TR SYS BR	23	1	1	EQUIP QUAL BR	25	1	1
	GEOSCIENCES	26	1	1	I&C SYS BR	29	1	1
	I&E	05	1	1	JORDAN,E./IE		1	1
	LIC GUID BR	30	1	1	MATL ENG BR	32	1	1
	MECH ENG BR	33	1	1	NRC PDR	02	1	1
	OP EX EVAL BR	34	3	3	OR ASSESS BR	35	1	1
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	REACT SYS BR	40	1	1	REG FILE	01	1	1
	REL & RISK A	41	1	1	SFTY PROG EVA	42	1	1
	STRUCT ENG BR	44	1	1	SYS INTERAC B	45	1	1
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INDIANA & MICHIGAN ELECTRIC COMPANY
DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
(616) 465-5901

April 9, 1981

Mr. J.G. Keppler, Regional Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Operating License DPR-58
Docket No. 50-315

Dear Mr. Keppler:

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

RO 79-042/03X-1
RO 81-004/03L-0
RO 81-006/03L-0.

Sincerely,

D.V. Shaller
Plant Manager

/bab

cc: J.E. Dolan
R.S. Hunter
R.W. Jurgensen
R.F. Kroeger
R.W. Kilburn
E. Swanson/N. DuBry RO:III
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APR 16 1981

NRC FORM 366 (7-77)

UPDATE LER PREVIOUS REPORT DATE 9-13-79

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

0 1 | M I D C C 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) | DOCKET NUMBER 0 5 0 0 0 3 1 5 (7) | EVENT DATE 0 8 1 4 7 9 (8) | REPORT DATE 0 4 0 9 8 1 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 ON AUGUST 14, WHILE ISOLATING A PRESSURIZER LEVEL TRANSMITTER (NLP-152) THE
0 3 ASSOCIATED PRESSURIZER PRESSURE TRANSMITTER (NPP-152) WAS ISOLATED. WHEN NPP-152
0 4 WAS VALVED BACK IN, INDICATION DIFFERED FROM THE OTHER PRESSURIZER PRESSURE CHANNELS.
0 5 NPP-152 OUTPUT WAS ADJUSTED FOR PROPER OUTPUT. ON AUGUST 22, IT WAS DISCOVERED THAT
0 6 THERE WAS A 30 PSI DIFFERENCE BETWEEN THE PRESSURIZER PRESSURE INDICATION AND A
0 7 HEISE GUAGE (SEE SUPPLEMENT).
0 8

	SYSTEM CODE (11)	CAUSE CODE (12)	CAUSE SUBCODE (13)	COMPONENT CODE (14)	COMP. SUBCODE (15)	VALVE SUBCODE (16)
0 9	I A	A	C	I N S T R U	T	Z

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
7 9	—	0 4 2	/	0 3	X	—	1

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)
E	F	Z	Z	0 0 0 0	Y	Y	A	B 0 8 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 THESE PRESSURIZER PRESSURE TRANSMITTERS WERE INSTALLED DURING THE 1979 REFUELING
1 1 OUTAGE AS THEY ARE ENVIRONMENTALLY QUALIFIED FOR USE UNDER POST ACCIDENT CONDITIONS.
1 2 AT THE TIME OF THE 08-22-79 EVENT, IT WAS NOT KNOWN WHAT CAUSED ALL OF THESE TRANS-
1 3 MITTERS TO DRIFT AS NO FURTHER PROBLEMS HAVE BEEN ENCOUNTERED WITH THESE TRANSMITTERS
1 4 (BARTON-MODEL NO. 763). SINCE THAT TIME THE VENDOR (SEE ATTACHED SUPPLEMENT)

	FACILITY STATUS (28)	% POWER (29)	OTHER STATUS (30)	METHOD OF DISCOVERY (31)	DISCOVERY DESCRIPTION (32)
1 5	E	1 0 0	NA	C	TECHNICIAN OBSERVATION

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

PERSONNEL EXPOSURES

	NUMBER (37)	TYPE (38)	DESCRIPTION (39)
1 7	0 0 0	Z	NA

PERSONNEL INJURIES

	NUMBER (40)	DESCRIPTION (41)
1 8	0 0 0	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE (42)	DESCRIPTION
1 9	Z	NA

PUBLICITY

	ISSUED (44)	DESCRIPTION (45)	NRC USE ONLY
2 0	N	NA	

NAME OF PREPARER J. L. Rischling PHONE: 616-465-5901

GPO 917-926

ATTACHMENT TO LER# 79-042/03X-1

SUPPLEMENT TO EVENT DESCRIPTION

INSTALLED FOR TEST PURPOSES. ALL PRESSURIZER PRESSURE TRANSMITTERS WERE RE-CALIBRATED ON AUGUST 22, AND FOUND TO BE READING FROM 2.5 TO 4 PERCENT LOW. THESE EVENTS WERE NON-CONSERVATIVE IN RESPECT TO T.S. TABLE 2.3-1 ITEM 10 AND TABLE 3.3-1 ITEM 10.

SUPPLEMENT TO CAUSE DESCRIPTION

HAS IDENTIFIED AN INHERENT PROBLEM WITH THE POWER SUPPLIES OF THIS MODEL TRANSMITTER WHICH CAN CAUSE ERRATIC TRANSMITTER OPERATION. RFC-12-2512 HAS BEEN INITIATED TO INSTALL MODIFICATION KITS TO CORRECT THIS DESIGN PROBLEM.

THE EVENT IN WHICH A PRESSURIZER PRESSURE TRANSMITTER WAS INADVERTANTLY ISOLATED WAS CAUSED AS A TECHNICIAN CLOSED THE WRONG ISOLATION VALVE. TO PREVENT RECURRENCE, TECHNICIANS HAVE RECEIVED ADDITIONAL TRAINING ON VALVING OUT TRANSMITTERS.

NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 — LICENSEE CODE: M I D C C 1 ② — LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 ③ — LICENSE TYPE: 4 1 1 1 1 ④ — CAT ⑤

CON'T 01 — REPORT SOURCE: L ⑥ — DOCKET NUMBER: 0 5 0 0 0 3 1 5 ⑦ — EVENT DATE: 0 3 2 8 8 1 ⑧ — REPORT DATE: 0 4 0 9 8 1 ⑨

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

02 During a record review on 3/28/81, it was noted that the East Motor Driven Aux Feed
03 Pump was removed from service on two occasions to enable repairs to the ESW supply
04 valve, WMO-754. That constituted an inop. MDAFP per T.S.3.7.4.1 on 1/9/81 and 1/14/81.
05 On the first occasion, the system was tagged out to investigate seat leakage and on the
06 second occasion the valve and the operator motor were replaced. Public health and safe-
07 ty were not affected. This was the first occurrence of this type.
08

09 — SYSTEM CODE: H H ⑪ — CAUSE CODE: E ⑫ — CAUSE SUBCODE: B ⑬ — COMPONENT CODE: V A L V E X ⑭ — COMP. SUBCODE: B ⑮ — VALVE SUBCODE: D ⑯

⑰ LER/RO REPORT NUMBER — EVENT YEAR: 8 1 — — SEQUENTIAL REPORT NO.: 0 0 4 — / — OCCURRENCE CODE: 0 3 — REPORT TYPE: L — — — REVISION NO.: 0

ACTION TAKEN: C ⑱ — FUTURE ACTION: Z ⑲ — EFFECT ON PLANT: Z ⑳ — SHUTDOWN METHOD: Z ㉑ — HOURS ㉒: 0 0 0 0 — ATTACHMENT SUBMITTED: N ㉓ — NPRD-4 FORM SUB.: Y ㉔ — PRIME COMP. SUPPLIER: A ㉕ — COMPONENT MANUFACTURER: C 1 8 2 ㉖

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ㉗

10 The valve stem had siezed in the body and was twisted. The 4 inch Centerline valve was
11 replaced with a Pratt valve. While adjusting the valve stroke, the motor on the Limi-
12 torque operator burned when the valve was driven into a stop. The motor was replaced
13 and the valve was tested satisfactorily.
14

15 — FACILITY STATUS: E ㉘ — % POWER: 1 0 0 ㉙ — OTHER STATUS ㉚: NA — METHOD OF DISCOVERY: B ㉛ — DISCOVERY DESCRIPTION ㉜: SURVEILLANCE TEST

16 — ACTIVITY RELEASED: Z ㉝ — CONTENT OF RELEASE: Z ㉞ — AMOUNT OF ACTIVITY ㉟: NA — LOCATION OF RELEASE ㊱: NA

17 — PERSONNEL EXPOSURES — NUMBER: 0 0 0 ㊲ — TYPE: Z ㊳ — DESCRIPTION ㊴: NA

18 — PERSONNEL INJURIES — NUMBER: 0 0 0 ㊵ — DESCRIPTION ㊶: NA

19 — LOSS OF OR DAMAGE TO FACILITY ㊸ — TYPE: Z ㊷ — DESCRIPTION: NA

20 — PUBLICITY — ISSUED: N ㊹ — DESCRIPTION ㊺: NA — NRC USE ONLY

NAME OF PREPARER: David G. Wizner — PHONE: 616-465-5901

GPO 917-926

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
0 1	LICENSEE CODE (2)	M I D C C 1
	LICENSE NUMBER (3)	0 0 - 0 0 0 0 0 - 0 0
	LICENSE TYPE (4)	4 1 1 1 1
	CAT (5)	
CON'T 0 1	REPORT SOURCE (6)	L
	DOCKET NUMBER (7)	0 5 0 0 0 3 1 5
	EVENT DATE (8)	0 3 1 7 8 1
	REPORT DATE (9)	0 4 0 9 8 1

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 DURING NORMAL OPERATIONS, A GROUND WAS DETECTED AND TRACED TO THE POWER CABLE FOR
0 3 MOTOR OPERATED ISOLATION VALVE IMO-910 IN THE FLOWPATH FROM THE RWST TO THE CENTRIFU-
0 4 GAL CHARGING PUMPS. THE REDUNDANT VALVE, IMO-911, WAS OPERABLE THUS MAINTAINING THE
0 5 FLOWPATH REQUIRED PER T.S. 3.1.2.2. ESF VENT FAN, HV-AES-1, HAD TO BE REMOVED FROM
0 6 SERVICE TO FACILITATE REPAIRS TO IMO-910. THAT CONSTITUTED AN INOP. VENT TRAIN PER
0 7 T.S. 3.7.6.1. THE ACTION REQUIREMENTS WERE MET. PUBLIC HEALTH AND SAFETY WERE
0 8 NOT AFFECTED. THIS WAS THE FIRST OCCURRENCE OF THIS TYPE.

0 9	SYSTEM CODE (11)	CAUSE CODE (12)	CAUSE SUBCODE (13)	COMPONENT CODE (14)	COMP. SUBCODE (15)	VALVE SUBCODE (16)
	S H	X	A	E L E C O N	Z	Z

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 1	—	0 0 6	/	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)
B	Z	Z	Z	0 0 0 0	N	A	A	A 3 8 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 THE CABLE WAS DAMAGED NEAR THE TERMINATION AT THE MOTOR OPERATOR JUNCTION BOX. THE
1 1 DAMAGED PORTION OF THE CALBE WAS REMOVED AND THE CABLE WAS RETERMINATED. THE DAMAGE
1 2 WAS CAUSED BY A BROKEN FIBER BUSHING WHICH ALLOWED THE CONDUIT TO CUT INTO THE
1 3 CABLE. THE VALVE WAS TESTED AND RETURNED TO SERVICE. THE VENT FAN WAS ALSO
1 4 RETURNED TO SERVICE ONCE WORK ON THE VALVE CABLE WAS COMPLETED.

1 5	FACILITY STATUS (28)	% POWER (29)	OTHER STATUS (30)	METHOD OF DISCOVERY (31)	DISCOVERY DESCRIPTION (32)
	E	1 0 0	NA	A	OPERATOR OBSERVATION

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

PERSONNEL EXPOSURES

1 7	NUMBER (37)	TYPE (38)	DESCRIPTION (39)
	0 0 0	Z	NA

PERSONNEL INJURIES

1 8	NUMBER (40)	DESCRIPTION (41)
	0 0 0	NA

LOSS OF OR DAMAGE TO FACILITY (43)

1 9	TYPE (42)	DESCRIPTION
	Z	NA

PUBLICITY

2 0	ISSUED (44)	DESCRIPTION (45)	NRC USE ONLY
	N	NA	

NAME OF PREPARER DAVID G. WIZNER PHONE: 616-465-5901

GPO 917-926