

REGULATORY INFORMATION DISTRIBUTION 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: WIZNER, D.G. AUTHOR AFFILIATION: Indiana & Michigan Electric Co.  
 RECIP. NAME: 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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 TITLE: Incident Reports

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05000315

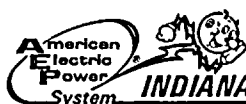
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ACTION:	VARGA, S.	04	3	3			
INTERNAL:	A/D COMP&STRU06		1	1	A/D ENV TECH 07	1	1
	A/D MATL & QU08		1	1	A/D OP REACT009	1	1
	A/D PLANT SYS10		1	1	A/D RAD PROT 11	1	1
	A/D SFTY ASSE12		1	1	ACC EVAL BR 14	1	1
	AEOD		3	3	AEOD/DMU	3	3
	ASLBP/J.HARD		1	1	AUX SYS BR 15	1	1
	CHEM ENG BR 16		1	1	CONT SYS BR 17	1	1
	CORE PERF BR 18		1	1	DIR, ENGINEER I20	1	1
	DIR, HUM FAC S21		1	1	DIR, SYS INTEG22	1	1
	EFF TR SYS BR23		1	1	EQUIP QUAL BR25	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 BR34		3	3	OR ASSESS BR 35	1	1
	POWER SYS BR 36		1	1	RAD ASSESS BR39	1	1
	REACT SYS BR 40		1	1	REG. FILE 01	1	1
	REL & RISK A 41		1	1	SFTY PROG EVA42	1	1
	STRUCT ENG BR44		1	1	SYS INTERAC B45	1	1
EXTERNAL:	ACRS	46	16	16	LPDR	03	1
	NSIC	05	1	1			

TOTAL NUMBER OF COPIES REQUIRED: LTTR

68  
65 ENCL 65

28





**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.

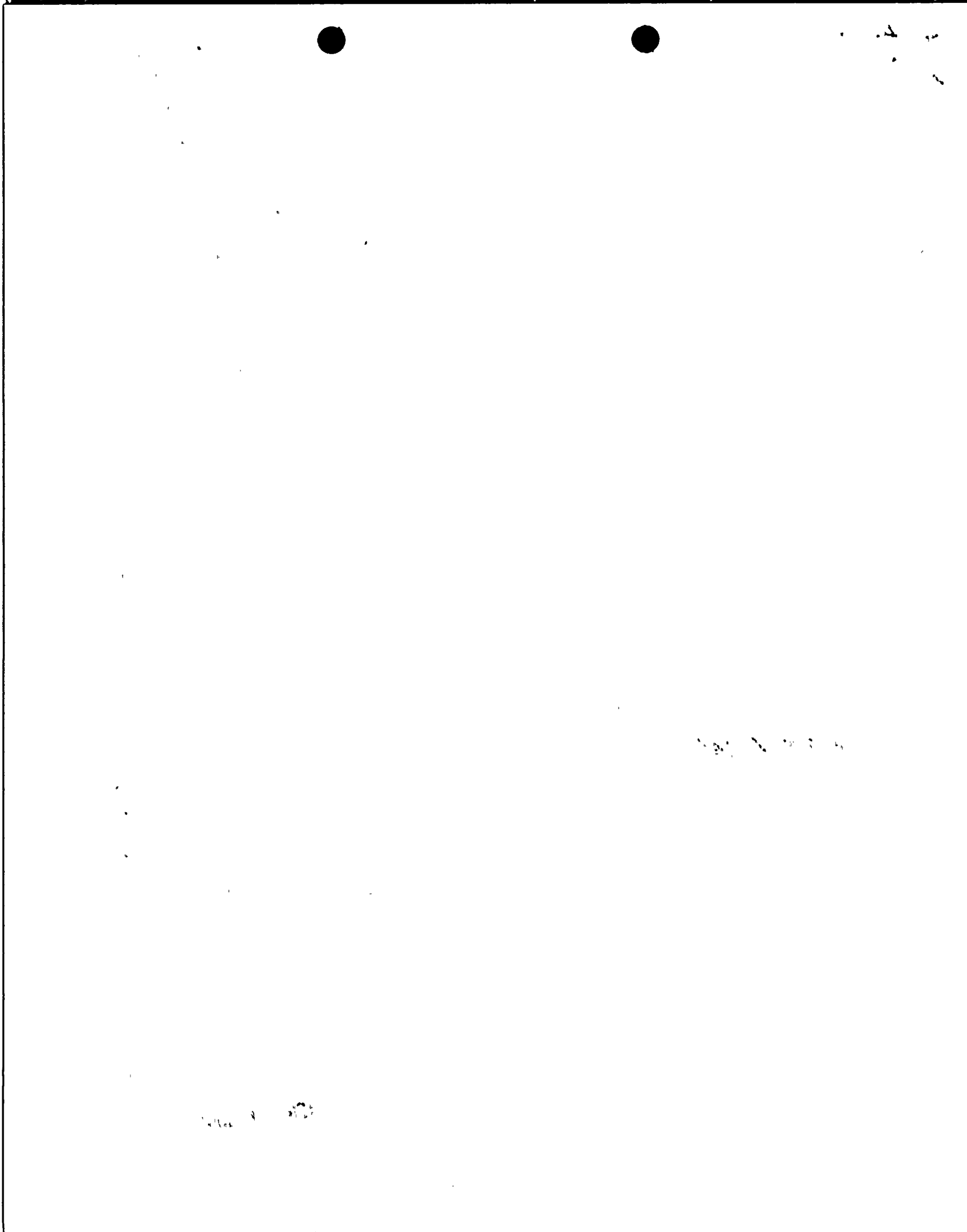
Sincerely,

D.V. Shaller  
Plant Manager

/bab

cc: J.E. Dolan  
R.S. Hunter  
R.W. Jurgensen  
R.F. Kroeger  
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APR 16 1981



(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

0	1
7	8

REPORT SOURCE

L	6	0	5	0	0	0	3	1	5	7	0	8	1	4	7	9	8	0	4	0	9	8	1	9
60	61								68	69						74	75							80
DOCKET NUMBER										EVENT DATE							REPORT DATE							

**EVENT DESCRIPTION AND PROBABLE CONSEQUENCES** (10)[illegible]

### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

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

7 8 9  
FACILITY STATUS 1 5 E (28) % POWER 1 0 0 (29) OTHER STATUS NA (30) METHOD OF DISCOVERY C (31) DISCOVERY DESCRIPTION (32) TECHNICIAN OBSERVATION

ACTIVITY CONTENT  
RELEASED OF RELEASE  
AMOUNT OF ACTIVITY (35)  
NA  
LOCATION OF RELEASE (36)  
NA

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	37	Z	38	39	NA	

PERSONNEL INJURIES			DESCRIPTION	
NUMBER				
1	8	0	0	0
			40	NA

7		8	9	11		12	
		LOSS OF OR DAMAGE TO FACILITY					
TYPE		DESCRIPTION					
1	9	Z	(42)	NA		(43)	

7		8	9	10		PUBLCITY												NRC USE ONLY																									
2		0		ISSUED		DESCRIPTION		NA																																			
7		8		9		10		68												69												80											

PHONE: 616-465-5901

12 12

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.





## LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

**CON'T**

**EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)**

08 | \_\_\_\_\_ | 80

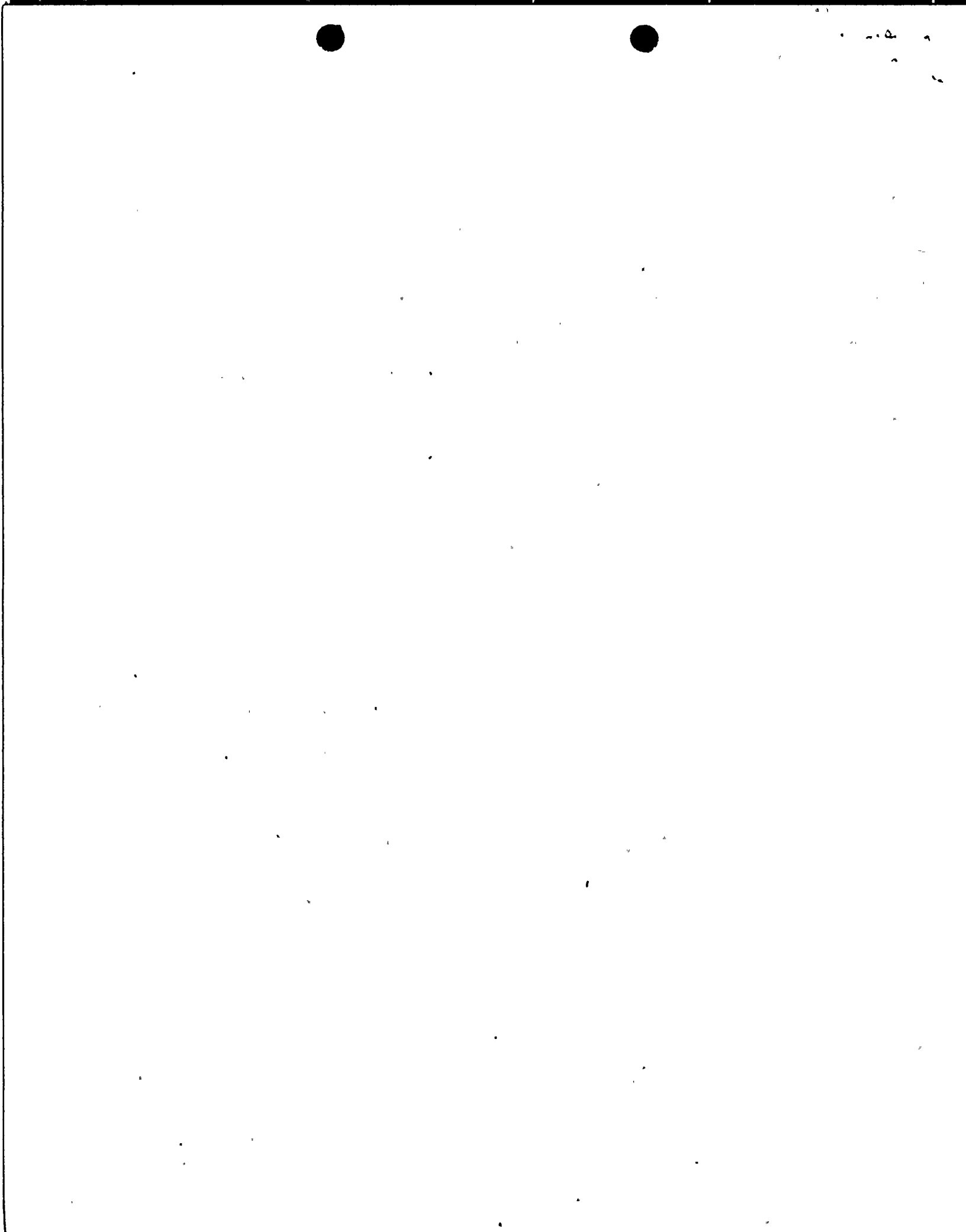
### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 4

7 8 9 80

PUBLICITY (45)  
 ISSUED (44) DESCRIPTION (45)  
 2 0 N NA  
 7 8 9 10 68 69 80

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**LICENSEE EVENT REPORT**

(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												
7	8	9							14											15	25											26	30				57	CAT	58
		LICENSEE CODE							LICENSE NUMBER											LICENSE TYPE																			

REPORT SOURCE	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80				
	L	6	0	5	0	0	0	3	1	5	7	0	3	1	7	8	1	8	0	4	0	9	8	1	9
	DOCKET NUMBER																								
											EVENT DATE					REPORT DATE									

**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.

SYSTEM CODE S H 11		CAUSE CODE X 12		CAUSE SUBCODE A 13		COMP. SUBCODE Z 15		VALVE SUBCODE Z 16	
EVENT YEAR 8 1		SEQUENTIAL REPORT NO. 0 0 6		OCCURRENCE CODE 0 3		REPORT TYPE L		REVISION NO. 0	
ACTION TAKEN B 18		FUTURE ACTION Z 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22	
ATTACHMENT SUBMITTED N 23		NPRD-4 FORM SUB. A 24		PRIME COMP. SUPPLIER A 25		COMPONENT MANUFACTURER A 3 8 5 26			

**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 CABLE 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.

7	8	9											80			
FACILITY STATUS			% POWER			OTHER STATUS			(30)	METHOD OF DISCOVERY			DISCOVERY DESCRIPTION			(32)
1	5	E	(28)	1	0	0	(29)	NA			(31)	A	OPERATOR OBSERVATION			
7	8	9	10	11	12	13	44			45	46	80				

ACTIVITY CONTENT  
RELEASED OF RELEASE

1 6 Z 33 Z 34

AMOUNT OF ACTIVITY (35)  
NA

LOCATION OF RELEASE (36)  
NA

PERSONNEL EXPOSURES		DESCRIPTION	
NUMBER	TYPE		
000	37 Z	38	39 NA

PERSONNEL INJURIES		DESCRIPTION	
NUMBER			
1	8	0	0
0	0	0	40
NA			

7		8	9	11		12	80
		LOSS OF OR DAMAGE TO FACILITY (43)					
		TYPE		DESCRIPTION			
1	9	Z	(42)	NA			

7		8	9	10	80													
PUBLICITY																		
ISSUED		DESCRIPTION																
2	0	N	(44)	NA											NRC USE ONLY			

NAME OF PREPARER DAVID G. WIZNER

PHONE: 616-465-5901

