



UNITED STATES  
 NUCLEAR REGULATORY COMMISSION  
 REGION II  
 101 MARIETTA STREET, N.W.  
 ATLANTA, GEORGIA 30323

*Not on  
letter head*

**VOID**  
**SAVE**

Licensee: American Electric Power Service Corporation  
 Indiana Michigan Power Company  
 1 Riverside Plaza  
 Columbus, Ohio 43216

Docket Nos.: 50-315, 316

License Nos.: DPR-58, 74

Facility Name: Donald C. Cook Nuclear Plant, Units 1 and 2

Inspection Conducted: July 5-15, 1988

Inspection Team Leader:

*L. Lawyer*  
 L. Lawyer

*8/8/88*  
 Date Signed

Inspection Team Members: G. Bryan  
 J. DeBor  
 M. DeGraff  
 P. Kellogg  
 B. Jorgensen

Approved by:

*C. A. Julian*  
 C. A. Julian, Chief  
 Operations Branch  
 Division of Reactor Safety

*12 August '88*  
 Date Signed

SUMMARY

Scope: This special, announced inspection was conducted in the area of review of the adequacy of Emergency Operating Procedures for Units 1 and 2.

Results: One apparent violation was identified. Although, in addition, numerous technical and human factor deficiencies were identified, the Emergency Operating Procedures were found to be adequate for continued operation of the facility. The licensee took prompt action to alleviate the violation and committed to review the deficiencies and take prompt corrective action to resolve them.

Should you have any questions concerning this letter, please contact us.

Sincerely,

Geoffrey Wright, Chief  
Operations Branch  
Division of Reactor Safety

Enclosure:  
NRC Inspection Report  
No. 50-315/88-15, 50-316/88-17

cc w/encl:  
W. G. Smith, Jr., Plant Manager  
DCD/DCB (RIDS)  
Licensing Fee Management Branch  
Resident Inspector, RIII  
Ronald Callen, Michigan  
Public Service Commission  
EIS Coordinator, USEPA  
Region V Office  
Michigan Department of  
Public Health  
J. Stang, LPM

bcc w/encl:  
W. Regan, NRR  
R. Gallo, RI  
C. Julian, RII  
G. Wright, RIII  
J. Gagliardo, RIV  
R. Zimmerman, RV

**VOID**  

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**SAVE**

RII  
MQP  
MDeGraff  
08/08/88

RII  
PKellogg  
08/14/88

RII  
MQP for  
LLawyer  
08/08/88

RII  
MQP for  
CAJulian  
08/12/88

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INSPECTOR'S REPORT  
Office of Inspection and Enforcement

Lawyer, L (RT)  
REVIEWER  
C.A. Julian, (RT)

INSPECTORS  
Lawyer, G. Bryan  
J. De Bor, M. DeGraff

P. Kellog, B. Jorgensen

LICENSEE/VENDOR	TRANSACTION TYPE	DOCKET NO (8 d-pts) OR LICENSE NO (BY PRODUCT: 113 d-g-1s)	REPORT		NEXT INSP DATE	
			NO	SEQ	MO	YR
D.C. Cook	<input checked="" type="checkbox"/> I - INSERT <input type="checkbox"/> M - MODIFY <input type="checkbox"/> D - DELETE <input type="checkbox"/> R - REPLACE	05000315 05000316	88015 88017	A B C D		

PERIOD OF INVESTIGATION/INSPECTION						INSPECTION PERFORMED BY			ORGANIZATION CODE OF REGION/HO CONDUCTING ACTIVITY (See IEMC 0530 "Manpower Reporting-Weekly Manpower Reporting" for code)		
FROM			TO			1 - REGIONAL OFFICE STAFF	<input checked="" type="checkbox"/> OTHER Special EOP Team Inspection		REGION	DIVISION	BRANCH
MO.	DAY	YR	MO	DAY	YR	2 - RESIDENT INSPECTOR		3	3	1	
07	05	88	07	15	88	3 - PERFORMANCE APPRAISAL TEAM					

REGIONAL ACTION (Check one box only)	TYPE OF ACTIVITY CONDUCTED (Check one box only)				
	1 - NRC FORM 591 <input checked="" type="checkbox"/>	2 - REGIONAL OFFICE LETTER <input type="checkbox"/>	02 - SAFETY 03 - INCIDENT 04 - ENFORCEMENT 05 - MGMT. AUDIT	06 - MGMT. VISIT <input checked="" type="checkbox"/> 07 - SPECIAL 08 - VENDOR 09 - MAT. ACCT.	10 - PLANT SEC. 11 - INVENT. VER. 12 - SHIPMENT/EXPORT 13 - IMPORT

INSPECTION/INVESTIGATION FINDINGS (Check one box only)				TOTAL NUMBER OF VIOLATIONS AND DEVIATIONS	ENFORCEMENT CONFERENCE HELD	REPORT CONTAIN 2.790 INFORMATION	LETTER OR REPORT TRANSMITTAL DATE			
A	B	C	D	A	B	C	D	MO.	DAY	YR.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0000				08	30	88
1 - CLEAR				1 - YES		1 - YES		REPORT SENT TO HQ FOR ACTION		
2 - VIOLATION										
3 - DEVIATION										
4 - VIOLATION & DEVIATION										

MODULE INFORMATION													MODULE INFORMATION																							
REC. ORD	MODULE NUMBER INSP.					PRIORITY	DIRECT INSP. TIME EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED	TO DATE	STATUS	MODULE REQ. FOLLOWUP					REC. ORD	MODULE NUMBER INSP.					PRIORITY	DIRECT INSP. TIME EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED	TO DATE	STATUS	MODULE REQ FOLLOWUP									
TYPE	NUMBER	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL						PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	TYPE	NUMBER	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	PHASE						MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL							
B	1530	70	3			A	003				B					A																				
B	7525	59	2			A	305	100	C		B					A																				

\* CIRCLE SEQUENCE IF VIOLATION OR DEVIATION

1234



OUTSTANDING ITEM LIST (OIL) TRACKING FORM

Submitted by: Offene

Sec. Chief Approval: G.C. Wright

Item No.	Type Code	Func. Area	Date Entered
1 (Unit 1)	QPM	Q1	1-1
3L6188012-Q1 (Unit 2)			

Original Inspector	Resp. Sec.	Note
JORGENSEN - B	P2A	

Responsible Inspector	Closed	Final Report
JORGENSEN - B	1-1	

Interim Insp. Reports -----

Followup Date	Remarks:
1-1	VEBLEY CORRECTION OF LABELING DISCREPANCIES BETWEEN EQPs AND PANELS

Status Code -----

TYPE CODE		FUNCTIONAL AREA		SECTION	
AEO	ABNORM. ENVIR. OCC.	1.	OPERATIONS	EPS	P1A
ALG	ALLEGATION	2.	RAD - CHEM	FRP	P1B
BUL	BULLETIN	3.	MAINTENANCE	MLS	P2A
CAL	CONFIR. ACTION LTR.	4.	SURVEILLANCE	MOS	P2B
CIR	CIRCULAR	5.	EMERGENCY PREP	MPS	P3A
DEV	DEVIATION	6.	SEC/SAFEGUARDS	NM1	P3B
GLR	GENERIC LETTER	7.	OUTAGES	NM2	P5S
IAL	IMMEDIATE ACTION LETTER	8.	TRAINING	OL1	REC
INF	INFORMATION NOTICE	9.	LICENSING	OL2	SGS
LER	LICENSEE EVENT REPORT	10.	QUALITY ASSURANCE	OPS	TSS
NC	NON-COMPLIANCE (1-2-3-4-5)	11.	OTHER		
NV6	NO VIOLATION 10 CFR 2, APP. C SEC. V.A	12.	FIRE PROT/H-K		
ORD	ORDERS TO LICENSEE				
OTH	OTHER				
P20	10 CFR PART 20				
P21	10 CFR PART 21				
R3R	REGION III REQUESTS				
REC	RECOMMENDATIONS				
RIP	REGULATORY IMPROVEMENT PROGRAM				
SEP	SAFETY EVAL. PROGRAM				
SER	SAFETY EVAL. REPORT				
SGR	73.71 SAFEGUARDS REPORTS				
SSF	SIGNIFICANT SAFETY FINDING				
TMI	THREE-MILE ISLAND ACTION ITEMS				
UNR	UNRESOLVED ITEMS				

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OUTSTANDING ITEM LIST (OIL) TRACKING FORM

Submitted by: APR

Sec. Chief Approval: G.C. Wright

Item No.	Type Code	Func. Area	Date Entered
1 (Unit 1)	OPN	01	1/1
3L61880L2-02 (Unit 2)			

Original Inspector	Resp. Sec.	Note
JORGENSEN - B	P2A	

Responsible Inspector	Closed	Final Report
JORGENSEN - B	1/1	

Interim Insp. Reports -----

Followup Date	Remarks:
1/1	VERLEY CORRECTION OF TECHNICAL AND HUMAN FACTOR DISCREPANCIES AS IDENTIFIED IN APPENDIX B OF THE

Status Code REPORT

TYPE CODE		FUNCTIONAL AREA		SECTION	
AEO	ABNORM. ENVIR. OCC.	ORD	ORDERS TO LICENSEE	EPS	P1A
ALG	ALLEGATION	OTH	OTHER	FRP	P1B
BUL	BULLETIN	P20	10 CFR PART 20	MLS	P2A
CAL	CONFIR. ACTION LTR.	P21	10 CFR PART 21	MOS	P2B
CIR	CIRCULAR	R3R	REGION III REQUESTS	MPS	P3A
DEV	DEVIATION	REC	RECOMMENDATIONS	NM1	P3B
GLR	GENERIC LETTER	RIP	REGULATORY IMPROVEMENT PROGRAM	NM2	PSS
IAL	IMMEDIATE ACTION LETTER	SEP	SAFETY EVAL. PROGRAM	OL1	REC
INF	INFORMATION NOTICE	SER	SAFETY EVAL. REPORT	OL2	SGS
LER	LICENSEE EVENT REPORT	SCR	73.71 SAFEGUARDS REPORTS	OPS	TSS
NC	NON-COMPLIANCE (1-2-3-4-5)	SSF	SIGNIFICANT SAFETY FINDING		
NVZ	NO VIOLATION 10 CFR 2,	THI	THREE-MILE ISLAND ACTION ITEMS		
		UNR	UNRESOLVED ITFMS		



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OUTSTANDING ITEM LIST (OIL) TRACKING FORM

Submitted by: Alfaro

Sec. Chief Approval: Alfaro  
G.C. Wright

Item No.	Type Code	Func. Area	Date Entered
--- 1 --- (Unit 1)	QPN	Q1	--- 1 ---
316188012-03 (Unit 2)			

Original Inspector	Resp. Sec.	Note
<u>JOBGENSEN - B</u>	<u>P2A</u>	-----

Responsible Inspector	Closed	Final Report
<u>JOBGENSEN - B</u>	<u>1 1</u>	-----

Interim Insp. Reports -----

Followup Date	Remarks:
<u>1 1</u>	<u>VERLEY PROCEDURES 2-QHP-4023-001-011 AND</u> <u>2-QHP-4023-001-006 HAVE BEEN UPGRADED TO CORRECT</u> <u>THE DEFICIENCIES IDENTIFIED IN PARAGRAPHS 6 OF THE</u> <u>REPORT</u>
Status Code	

TYPE CODE		FUNCTIONAL AREA	SECTION
AEO -	ABNORM. ENVIR. OCC.	1. OPERATIONS	EPS P1A
ALG -	ALLEGATION	2. RAD - CHEM	FRP P1B
BUL -	BULLETIN	3. MAINTENANCE	MLS P2A
CAL -	CONFIR. ACTION LTR.	4. SURVEILLANCE	MOS P2B
CIR -	CIRCULAR	5. EMERGENCY PREP	MPS P3A
DEV -	DEVIATION	6. SEC/SAFEGUARDS	NM1 P3B
GLR -	GENERIC LETTER	7. OUTAGES	NM2 PSS
IAL -	IMMEDIATE ACTION LETTER	8. TRAINING	OL1 REC
INF -	INFORMATION NOTICE	9. LICENSING	OL2 SGS
LER -	LICENSEE EVENT REPORT	10. QUALITY ASSURANCE	OPS TSS
NC -	NON-COMPLIANCE (1-2-3-4-5)	11. OTHER	
NVS -	NO VIOLATION 10 CFR 2, APP. C SEC. 1.4	12. FIRE PROT/H-K	
ORD -	ORDERS TO LICENSEE		
OTH -	OTHER		
P20 -	10 CFR PART 20		
P21 -	10 CFR PART 21		
R3R -	REGION III REQUESTS		
REC -	RECOMMENDATIONS		
RIP -	REGULATORY IMPROVEMENT PROGRAM		
SEP -	SAFETY EVAL. PROGRAM		
SER -	SAFETY EVAL. REPORT		
SGR -	73.71 SAFEGUARDS REPORTS		
SSF -	SIGNIFICANT SAFETY FINDING		
TMI -	THREE-MILE ISLAND ACTION ITEMS		
UNR -	UNRESOLVED ITEMS		

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OUTSTANDING ITEM LIST (OIL) TRACKING FORM

Submitted by: Albre

Sec. Chief Approval: Albre for G.C. Wright

Item No.	Type Code	Func. Area	Date Entered
1 (Unit 1)	ORN	OL	1 1
316188012-04 (Unit 2)			

Original Inspector: JORGENSEN B  
 Resp. Sec.: P2A  
 Note: \_\_\_\_\_

Responsible Inspector: JORGENSEN B  
 Closed: 1 1  
 Final Report: \_\_\_\_\_

Interim Insp. Reports: \_\_\_\_\_

Followup Date: 1 1  
 Remarks: VERLEY ATTACHMENTS A AND B TO PROCEDURES E-O, ECA-O-O AND FB-Z-1 HAVE BEEN CORRECTED TO SHOW THE PHASE A AND PHASE B ISOLATION VALVES  
 Status Code: \_\_\_\_\_

TYPE CODE		FUNCTIONAL AREA		SECTION			
AEO -	ABNORM. ENVIR. OCC.	ORD -	ORDERS TO LICENSEE	1.	OPERATIONS	EPS	P1A
ALG -	ALLEGATION	OTH -	OTHER	2.	RAD - CHEM	FRP	P1B
BUL -	BULLETIN	P20 -	10 CFR PART 20	3.	MAINTENANCE	MLS	P2A
CAL -	CONFIR. ACTION LTR.	P21 -	10 CFR PART 21	4.	SURVEILLANCE	MOS	P2B
CIR -	CIRCULAR	R3R -	REGION III REQUESTS	5.	EMERGENCY PREP	MPS	P3A
DEV -	DEVIATION	REC -	RECOMMENDATIONS	6.	SEC/SAFEGUARDS	NM1	P3B
GLR -	GENERIC LETTER	RIP -	REGULATORY IMPROVEMENT PROGRAM	7.	OUTAGES	NM2	P5S
IAL -	IMMEDIATE ACTION LETTER	SEP -	SAFETY EVAL. PROGRAM	8.	TRAINING	OL1	REC
INF -	INFORMATION NOTICE	SER -	SAFETY EVAL. REPORT	9.	LICENSING	OL2	SGS
LER -	LICENSEE EVENT REPORT	SGR -	73.71 SAFEGUARDS REPORTS	10.	QUALITY ASSURANCE	OPS	T5S
NC -	NON-COMPLIANCE (1-2-3-4-5)	SSF -	SIGNIFICANT SAFETY FINDING	11.	OTHER		
NVS -	NO VIOLATION 10 CFR 2, APP. C SEC. V.A	TMI -	THREE-MILE ISLAND ACTION ITEMS	12.	FIRE PROT/H-K		
		UNR -	UNRESOLVED ITEMS				

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OUTSTANDING ITEM LIST (OIL) TRACKING FORM

Submitted by: ABTone

Sec. Chief Approval: ABTone for G.C. Wright

Item No.	Type Code	Func. Area	Date Entered
___ 1 ___ (Unit 1)	<u>OPN</u>	<u>Q1</u>	___ 1 ___ 1 ___
<u>316188017-05</u> (Unit 2)			

Original Inspector	Resp. Sec.	Note
<u>JORGENSEN B</u>	<u>PRA</u>	_____

Responsible Inspector	Closed	Final Report
<u>JORGENSEN B</u>	___ 1 ___ 1 ___	_____

Interim Insp. Reports \_\_\_\_\_

Followup Date	Remarks:
___ 1 ___ 1 ___	<u>VERIFY THAT THE EOP REVIEW AND REVISION CONTROL PROCESS HAS BEEN UPGRADED AS DISCUSSED IN PARAGRAPH 6 OF THE REPORT</u>
Status Code	_____

TYPE CODE		FUNCTIONAL AREA	SECTION	
AEO -	ABNORM. ENVIR. OCC.	1. OPERATIONS	EPS	P1A
ALG -	ALLEGATION	2. RAD - CHEM	FRP	P1B
BUL -	BULLETIN	3. MAINTENANCE	MLS	P2A
CAL -	CONFIR. ACTION LTR.	4. SURVEILLANCE	MOS	P2B
CIR -	CIRCULAR	5. EMERGENCY PREP	MPS	P3A
DEV -	DEVIATION	6. SEC/SAFEGUARDS	NM1	P3B
GLR -	GENERIC LETTER	7. OUTAGES	NM2	PSS
IAL -	IMMEDIATE ACTION LETTER	8. TRAINING	OL1	REC
INF -	INFORMATION NOTICE	9. LICENSING	OL2	SGS
LER -	LICENSEE EVENT REPORT	10. QUALITY ASSURANCE	OPS	TSS
NC -	NON-COMPLIANCE (1-2-3-4-5)	11. OTHER		
NVZ -	NO VIOLATION 10 CFR 2, APP. C SEC. V.A	12. FIRE PROT/H-K		
ORD -	ORDERS TO LICENSEE			
OTH -	OTHER			
P20 -	10 CFR PART 20			
P21 -	10 CFR PART 21			
R3R -	REGION III REQUESTS			
REC -	RECOMMENDATIONS			
RIP -	REGULATORY IMPROVEMENT PROGRAM			
SEP -	SAFETY EVAL. PROGRAM			
SER -	SAFETY EVAL. REPORT			
SCR -	73.71 SAFEGUARDS REPORTS			
SSF -	SIGNIFICANT SAFETY FINDING			
TMI -	THREE-MILE ISLAND ACTION ITEMS			
UNR -	UNRESOLVED ITEMS			

OUTSTANDING ITEM LIST (OIL) TRACKING FORM

Submitted by: Blane

Sec. Chief Approval: Blane  
G. C. Wright

Item No.	Type Code	Func. Area	Date Entered
___ 1 ___ (Unit 1)	<u>OPN</u>	<u>01</u>	___ 1 ___ 1 ___
<u>326188012-06</u> (Unit 2)			

Original Inspector	Resp. Sec.	Note
<u>JORGENSEN - B</u>	<u>P2A</u>	_____

Responsible Inspector	Closed	Final Report
<u>JORGENSEN - B</u>	<u>1 1</u>	_____

Interim Insp. Reports \_\_\_\_\_

Followup Date	Remarks:
<u>1 1</u>	<u>VERIFY THAT THE LICENSEE RESOLVES THE EOP COMMENTS PROVIDED BY OPERATIONS, TRAINING, AND ENGINEERING DEPARTMENTS</u>
Status Code	_____

TYPE CODE		FUNCTIONAL AREA	SECTION
AEO -	ABNORM. ENVIR. OCC.	1. OPERATIONS	EPS P1A
ALG -	ALLEGATION	2. RAD - CHEM	FRP P1B
BUL -	BULLETIN	3. MAINTENANCE	MLS P2A
CAL -	CONFIR. ACTION LTR.	4. SURVEILLANCE	MOS P2B
CIR -	CIRCULAR	5. EMERGENCY PREP	MPS P3A
DEV -	DEVIATION	6. SEC/SAFEGUARDS	NM1 P3B
GLR -	GENERIC LETTER	7. OUTAGES	NM2 PSS
IAL -	IMMEDIATE ACTION LETTER	8. TRAINING	OL1 REC
INF -	INFORMATION NOTICE	9. LICENSING	OL2 SGS
LER -	LICENSEE EVENT REPORT	10. QUALITY ASSURANCE	OPS TSS
NC -	NON-COMPLIANCE (1-2-3-4-5)	11. OTHER	
NYZ -	NO VIOLATION 10 CFR 2, APP. C SEC. V.A	12. FIRE PROT/H-K	
ORD -	ORDERS TO LICENSEE		
OTH -	OTHER		
P20 -	10 CFR PART 20		
P21 -	10 CFR PART 21		
R3R -	REGION III REQUESTS		
REC -	RECOMMENDATIONS		
RIP -	REGULATORY IMPROVEMENT PROGRAM		
SEP -	SAFETY EVAL. PROGRAM		
SER -	SAFETY EVAL. REPORT		
SCR -	73.71 SAFEGUARDS REPORTS		
SSF -	SIGNIFICANT SAFETY FINDING		
TMI -	THREE-MILE ISLAND ACTION ITEMS		
UNR -	UNRESOLVED ITEMS		

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