

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
D. C. COOK UNIT 2DOCKET NUMBER (2)
0 5 0 0 0 3 1 6 1 OF 0 2TITLE (4)
ICE CONDENSER ICE BASKET WEIGHTS

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0	3	2	0	8	4	8	4	0	0	4	0 1 1 1 1 5 8 4
											0 5 0 0 0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
POWER LEVEL (10) 0 0 0	5	20.402(b)		20.405(c)		50.73(a)(2)(iv)		73.71(b)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)	
		20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)			
		20.405(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(vii)					
		20.405(a)(1)(iii)	X	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)					
		20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)					
		20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)					

LICENSEE CONTACT FOR THIS LER (12)
NAME
A. A. BLIND
TECHNICAL ENGINEERING SUPERINTENDENTTELEPHONE NUMBER
AREA CODE
6 1 1 6 4 6 1 5 1 - 1 5 9 1 0 1 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	
X	B	C	C	O	N	D	W	1	0	0

SUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NO ☐
EXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

THIS IS A REVISION TO LER 84-004 SUBMITTED ON APRIL 19, 1984.

ON MARCH 20, 1984, WHILE IN MODE 5, THE ICE INVENTORY WITHIN THE ICE CONDENSER WAS DETERMINED TO BE BELOW THE LIMITING CONDITION FOR OPERATION AS STATED IN TECHNICAL SPECIFICATION 3.6.5.1.d. THE SURVEILLANCE REQUIREMENT STIPULATING THE MINIMUM AVERAGE ICE WEIGHT OF THE SAMPLE BASKETS FROM EACH ROW/GROUP COULD NOT BE SATISFIED.

THE ICE WEIGHT OF THE DEFICIENT ROWS WAS INCREASED BY AN EXTENSIVE ICE REPLENISHMENT PROGRAM. THIS WEIGHT INCREASE BROUGHT THE ROW/GROUP AVERAGES WELL WITHIN TECHNICAL SPECIFICATION LIMITS AND SHOULD ALSO INSURE ACCEPTABLE ICE BASKET WEIGHTS AT THE NEXT SCHEDULED SURVEILLANCE.

8411280092 841115
PDR ADOCK 05000316
S PDRIE 22
11

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) D. C. COOK UNIT 2	DOCKET NUMBER (2) 0 5 0 0 0 3 1 6 8 4 - 0 0 4 - 0 1	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
					0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

THIS IS A REVISION TO LER 84-004 SUBMITTED ON APRIL 19, 1984.

ON MARCH 20, 1984, WHILE IN MODE 5, THE ICE INVENTORY WITHIN THE ICE CONDENSER (IEEE COMPONENT FUNCTION IDENTIFIER=COND) WAS DETERMINED TO BE BELOW THE LIMITING CONDITION FOR OPERATION AS STATED IN TECHNICAL SPECIFICATION 3.6.5.1.d. THE SURVEILLANCE REQUIREMENT STIPULATING THE MINIMUM AVERAGE ICE WEIGHT OF THE SAMPLE BASKETS FROM EACH ROW/GROUP COULD NOT BE SATISFIED (TECHNICAL SPECIFICATION 4.6.5.1.b.2, PARAGRAPH 2).

THE FOLLOWING SEVEN ROW/GROUP AVERAGES WERE FOUND DEFICIENT; 7-1, 8-1, 8-2, 8-3, 9-1, 9-2 AND 9-3. HISTORICALLY, THE ICE BASKETS LOCATED IN THESE ROWS (7, 8 AND 9) HAVE EXPERIENCED ACCELERATED ICE LOSSES DUE TO SUBLIMATION AND SUBSEQUENT ICE MIGRATION.

THE ICE WEIGHT OF THE DEFICIENT ROWS WAS INCREASED BY AN EXTENSIVE ICE REPLENISHMENT PROGRAM. THIS PROGRAM INVOLVED THE COMPLETE EMPTYING AND REFILLING OF THE 528 ACCESSIBLE ICE BASKETS IN THE THREE RADIAL ROWS. THE INACCESSIBLE BASKETS ARE LOCATED UNDER THE ICE BED SUPPORT STRUCTURE AND COULD NOT BE REPLENISHED. THE BASKETS THAT COULD NOT BE REFILLED ARE: ALL AXIAL POSITION 5 IN ROWS 7, 8 AND 9; AND ALL AXIAL POSITION 1 AND 9 IN ROW 7. THE REFILLING YIELDED AN AVERAGE NET ICE ADDITION OF 300 POUNDS PER BASKET. THIS SUBSTANTIAL WEIGHT INCREASE BROUGHT THE SUBJECT ROW/GROUP AVERAGES WELL WITHIN TECHNICAL SPECIFICATION LIMITS AND SHOULD INSURE ACCEPTABLE ICE BASKET WEIGHTS AT THE NEXT SCHEDULED SURVEILLANCE.

PREVIOUS OCCURRENCES OF A SIMILAR NATURE WERE REPORTED IN LERS: 50-315/83-73, 50-315/82-72, 50-316/83-59, 50-316/82-116 AND 50-316/82-25.



INDIANA & MICHIGAN ELECTRIC COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
(616) 465-5901

November 15, 1984

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 10CFR50.73
entitled Licensee Event Reporting System, the following
report/s are being submitted:

RO 84-004-01

Sincerely,

W.G. Smith, Jr.
Plant Manager

/cbm

Attachment

cc: John E. Dolan
J.G. Keppler, RO:III
M.P. Alexich
R.F. Kroeger
H. Brugger
NRC Resident Inspector
R.C. Callen, MPSC
G. Charnoff, Esq.
J.M. Hennigan
INPO
PNSRC
J.F. Stietzel
E.L. Townley
Dottie Sherman, ANI Library

IEZZ
11