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FACILITY NAME (1) **Three Mile Island Unit 2** DOCKET NUMBER (2) **0500031201** PAGE (3) **1 OF 011**

TITLE (4) **Failure of Incore Thermocouples F-3, M-3, and O-10**

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)		
01	09	1984	84	016	00	10	04	84		050000		
										050000		

OPERATING MODE (9) **N**

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

POWER LEVEL (10) 0100	20.402(b)	20.406(a)	80.73(a)(2)(iv)	73.71(b)
	20.406(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(a)
	20.406(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
	20.406(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	
	20.406(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)	
	20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME **John C. Auger, TMI-2 Licensing Engineer** TELEPHONE NUMBER **717 914 81-182414**

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
X	AIC	TEI	B1155	N	X	AIC	TEI	B1155	N
X	AIC	TEI	B1155	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO X

EXPECTED SUBMISSION DATE (15)

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

At 0100 hours on September 10, 1984, Incore Thermocouples M-3, O-10, and F-3 were declared inoperable. The Incore Thermocouples will be checked to ensure that the problem is not in any component that is accessible for repairs. No further action is considered applicable. The precise reason for the failure/erratic behavior of Incore Thermocouples M-3, O-10, and F-3 is not known and may not be possible to determine given the condition of the Unit 2 core relative to incore instrumentation.

At the time of the occurrence, the Unit 2 facility was in a long-term cold shutdown state. The reactor decay heat was being removed via loss to ambient. Throughout the event there was no effect on the Reactor Coolant System or the core.

To date, thirteen (13) LER's, including this one, concern thermocouple failures. The others are LER 80-13, 80-41, 80-50, 80-53, 81-05, 81-13, 82-15, 83-10, 83-27, 83-32, 83-50, and 84-09.

There are now twenty-two (22) of the fifty-two (52) Incore Thermocouples reported as being out-of-service (B-7, D-14, E-11, F-3, F-8, G-5, H-9, H-13, K-11, K-12, L-6, L-11, L-13, M-3, M-7, M-9, N-4, N-8, N-9, O-6, O-10, and O-12).

The failed thermocouples were Type K (Chromium/Alumel) thermocouples, Model No. DAZA-76-7R-1B-1T-1C, supplied by Babcock and Wilcox, manufactured by Bel Fab, Inc.

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Nuclear

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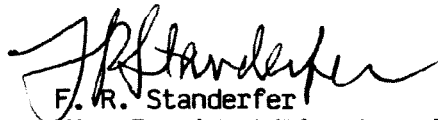
Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320
Licensee Event Report 84-016

Attached is Licensee Event Report 84-016 concerning the failure of Incore Thermocouples M-3, O-10, and F-3 on September 10, 1984.

This event is considered reportable pursuant to Title 10 of the Code of Federal Regulations, Section 50.73(a)(2)(i).

Sincerely,


F. R. Standerfer
Vice President/Director, TMI-2

FRS/JCA/jep

Attachments

cc: Regional Administrator - Office of I & E, Dr. T. E. Murley
Program Director - TMI Program Office, Dr. B. J. Snyder
Deputy Program Director - TMI Program Office, Dr. W. D. Travers