



MAR 01 1982

Metropolitan Edison Company
Post Office Box 480
Middletown, Pennsylvania 17057

Writer's Direct Dial Number

G.V.

June 8, 1981
LI2-81-0155

LER # 320-81013

EVENT DATE 810508

NSRC REC'D. 810702

INFO REC'D. _____

Office of Inspection and Enforcement
Attn: Mr. Boyce H. Grier, Director
Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320
License Event Report 81-013/01L-0

Attached please find Licensee Event Report 81-013/01L-0, concerning the failure of Incore Thermocouple L11 on May 8, 1981.

This event is a violation of Section 3.3.3.6, Table 3.3-10, item 10 and is reportable under Section 6.9.1.8 of the Interim Recovery Technical Specifications.

Sincerely,

G. K. Hovey
Vice-President and
Director, TMI-2

GKH:SDC:vjf

Attachments

cc: L. Barrett, Deputy Program Director
Dr. B. J. Snyder, Program Director, TMI Program Office

Distribution	
AT's	
Subject:	LER 81-013/01L-0
Assigned To:	
Due Date:	
Dist.	
Arnold-AD.BC.	
Barton-AD.BC.	
Clark-PAK.	
DeVine-AD.BC.	
Elaw-AD.BC.	
Fenti-TR.259	
Fuller-AD.BC.	
Harding-TR.68	
Herbein-TR.116	
Hevard-PAR.	
Hockley-HEAR.	
Holzworth-EG&G	
Hovey-AD.BC.	
Hukill-TR.164	
Kananas-PAR.	
King-AD.BC.	
Kunder-AD.BC.	
Lacey-JCP&L	
Manganaro-PAR.	
Schauss-PAR.	
Thorpe-PAR.	
Tipton-PAR.	
Wallace-PAR.	
Walsh-PAR.	
J Wilson-R103	
R Wilson-PAR.	
DDCC-TMI	
DDCC-PAR.	
T.F. <u>DDP 6/8/81</u>	
OPS.	<u>803 6/8/81</u>
LIC.	<u>6/8/81</u>
SIGN.	<u>6/8/81</u>
DIST.	<u>05B 6/9/81</u>

IE 22
BACKFIT
ADD:
M. Collins

8210150280 810608
PDR ADOCK 05000320
5 PDR

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	P	A	T	M	1	2	2	0	0	-	0	0	0	0	0	0	3	4	1	1	1	1	4			5	
7	8	LICENSEE CODE						14	LICENSE NUMBER										25	LICENSE TYPE					30	CAT		38

CON'T

01 REPORT SOURCE L 6 0 5 0 0 0 3 2 0 7 0 5 0 8 8 1 8 0 6 0 5 8 1 9
7 8 80 81 DOCKET NUMBER 86 89 EVENT DATE 94 95 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 Incore Thermocouple L11 began to exhibit erratic behavior, therefore, in accordance with Technical Specifications 3.3.3.6, Table 3.3-10, item 10, this report is submitted.

0 3

0 4 LERs 80-13, 80-41, 80-50, 80-53 and 81-05 concern thermocouple failures also. This event had no adverse effects on the plant, its operation, or the health and safety of the public.

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SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP SUBCODE		VALVE SUBCODE			
[0 9]		[X X] (11)		[E] (12)		[Y] (13)		[T N S T R U] (14)				[F] (15)		[Z] (16)	
7 8		9 10		11		12 13		14 15 16 17 18				19		20	
(17) LER-RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO		OCCURRENCE CODE		REPT TYPE		REVISION NO					
[8 1]		[]		[0 1 3]		[/]		[0 1]		[L]		[]			
21 22		23		24 25 26		27		28 29		30		31			
ACTION: FUTURE TAKEN ACTION:		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPD-4 FORM SUB		PRIME COMP. SUPPLIER			
[2] (18) [7] (19)		[7] (20)		[7] (21)		[0 0 0 0] (22)		[Y] (23)		[N] (24)		[N] (25)			
33 34		35		36		37 38 39 40		41		42		43			
COMPONENT MANUFACTURER															
[R 1 5] (26)															
44		45		46		47 48 49 50		51		52		53			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The reason for the failure of Thermocouple L-11 is not known and may not be possible

11 to determine given the condition of the Unit 2 core relative to incore instrumentation

12 No corrective actions are appropriate relative to thermocouple failure. We are monitor

13 ing the situation to determine if any trend is becoming apparent and whether such a

14 trend would have a safety impact in the long term.

FACILITY STATUS (1) 5 (X) (28) 0 POWER (29) Recovery Mode (30)
 METHOD OF DISCOVERY (31) Operator Review of thermocouple data (32)
 ACTIVITY CONTENT RELEASED OF RELEASE (33) Z (34) Z AMOUNT OF ACTIVITY (35) N/A LOCATION OF RELEASE (36) N/A
 PERSONNEL EXPOSURES NUMBER (37) 0 TYPE (38) Z DESCRIPTION (39) N/A
 PERSONNEL INJURIES NUMBER (40) 0 DESCRIPTION (41) N/A
 LOSS OF OR DAMAGE TO FACILITY TYPE (42) Z DESCRIPTION (43) N/A
 PUBLICITY ISSUED (44) Z DESCRIPTION (45) N/A
 8210150289 810608
 PDR ADOCK 05000320 PDR
 NRC USE ONLY

NAME OF ENGINEER Steven D. Chaplin

PHONE (717) 948-8461

LICENSEE EVENT REPORT
NARRATIVE REPORT

TMI-2

LER 81-013/01L-0
EVENT DATE - May 8, 1981

I. EXPLANATION OF OCCURRENCE

Incore Thermocouple L11 began to exhibit erratic behavior; therefore, in accordance with Technical Specification 3.3.3.6, Table 3.3-10, Item 10, this report is being submitted.

To date, six (6) LERs, including this one, concern thermocouple failures, the others are LER 80-13, LER 70-41, 80-50, 80-53, and 81-05.

II. CAUSES OF THE OCCURRENCE

This precise reason for the failure/erratic behavior of Incore Thermocouple L-11 is not known and may not be possible to determine given the condition of the Unit 2 core relative to incore instrumentation.

III. CIRCUMSTANCES SURROUNDING THE OCCURRENCE

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.

IV. CORRECTIVE ACTIONS TAKEN OR TO BE TAKEN

IMMEDIATE

No immediate action is applicable.

LONG TERM

We are monitoring the situation to determine if any trend is becoming apparent and whether such a trend would have a safety impact in the long term.

V. COMPONENT FAILURE DATA

The failed thermocouple was a Type K (Chromium/Alumel) thermocouple, Model No. DA7A-76-7R-1B-1T-1C, supplied by Babcock and Wilcox and manufactured by Bel Fab, Inc.