June 8, 1981
LL2-81-0155

LER # 320-81013
EVENT DATE 810508
HSAC RECVD. 810702
INFO RECVD. 

Subject:

Distribution

Assignee:

Due Date:

Dist.
Arnold-AD.BG.
Bartow-AD.BG.
Clark-PA.
Devine-AD.BG.
Elam-AD.BG.
Fent-1-TR.259
Fuller-AN.BG.
Harding-TR.68
Herbein-TR.116
Howard-PA.
Hockley-HEAR.
Holzworth-EGAG. Hovey-AD.BG.
Hukill-TR.184
Kantzas-PAR.
Kling-AD.BG.
Kunder-AD.BG.
Lacey-JCP.
Manke-PA.
Mansfield-PA.
Schmaus-PAR.
Thorpe-PAR.
Tipton-PAR.
Wallace-PAR.
Waleh-PAR.
J. Wilson-1101
R. Wilson-PAR.
DDCC-TMI
DDCC-PAR.

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 81-013/011-0


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

Attachments

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

The event had no adverse effects on the plant, its operation, or the health and safety of
de the public.

<table>
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<th>SYSTEM CODE</th>
<th>CAUSE CODE</th>
<th>SUBCODE</th>
<th>COMPONENT CODE</th>
<th>SUBCODE</th>
<th>VALVE CODE</th>
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The reason for the failure of 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.

No corrective actions are appropriate relative to thermocouple failure. 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.

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NAME OF PREPARER: Steven D. Chaplin
PHONE: (717) 978-8261
I. EXPLANATION OF OCCURRENCE

Incore Thermocouple L-11 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. DAZA-76-7R-11T-1C, supplied by Babcock and Wilcox and manufactured by Bel Fab, Inc.