

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)

Limerick Generating Station
Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 3 5 2

LER NUMBER (5)

YEAR SEQUENTIAL REVISION

NUMBER NUMBER NUMBER

8 5 - 0 6 1 - 0 0

PAGE (3)

0 2 OF 0 3

TEXT (if more space is required, use additional NRC Form 366A (17))

Description of the Event:

On June 25, 1985 at 1609 with Unit 1 in cold shutdown, the face plate of a differential temperature module (TDTS-44-IN602E, Riley Company Model 86 Temp-Matic Thermocouple Monitor) was snapped closed by an I&C test engineer. The vibration caused by this closure caused a defective solder connection in an adjacent similar Riley temperature module to open. The resulting temporary loss of continuity generated an Engineered Safety Feature (ESF) closure of an inboard RWCU isolation valve.

Consequences of the Event:

The RWCU system was being used to control chemistry and inventory of the reactor water before this isolation occurred. When the isolation occurred, the I&C test engineer notified the control room operators of the cause. The isolation signal was reset and the valve opened within ten minutes.

Cause of the Event:

A defective solder connection in an internal component of the temperature switch was identified as the cause of isolation. A slight vibration caused by the closure of an adjacent temperature module face plate was sufficient to temporarily open the connection. During the investigation, the isolation signal could be reproduced by closing the face plate or tapping the defective module.

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TEXT (If more space is required, use additional NRC Form 365A's) (17)

Corrective Actions:

The defective connection was repaired and the component and associated isolations were functionally tested. In addition, RWCU isolations are functionally tested as part of normal monthly surveillance testing.

Previous Similar Occurrences:

The following RWCU isolations were caused by defective Riley Temperature modules:

| | |
|--------|--------|
| 84-012 | 84-036 |
| 84-026 | 85-001 |
| 84-032 | 85-027 |
| 84-034 | 85-055 |

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

July 11, 1985

Docket No. 50-352

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

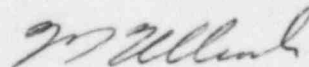
SUBJECT: Licensee Event Report
Limerick Generating Station - Unit 1

This LER deals with an engineered safety feature actuation of a Reactor Water Cleanup isolation valve.

| | |
|------------------|---|
| Reference: | Docket No. 50-352 |
| Report Number: | 85-061 |
| Revision Number: | 00 |
| Event Date | June 25, 1985 |
| Report Date: | July 11, 1985 |
| Facility: | Limerick Generating Station P.O. Box A, Sanatoga, PA 19464 |

This LER is being submitted pursuant to the requirements of 10 CFR 50.73.c.(iv).

Very truly yours,



W. T. Ullrich
Superintendent
Nuclear Generation Division

cc: Dr. Thomas E. Murley, Administrator, Region I, USNRC
E. M. Kelly, Resident Site Inspector
See Service List

LE22
1/1

cc: Judge Helen F. Hoyt
Judge Jerry Harbour
Judge Richard F. Cole
Troy B. Connor, Jr., Esq.
Ann P. Hogdon, Esq.
Mr. Frank R. Romano
Mr. Robert L. Anthony
Ms. Phyllis Zitzer
Charles W. Elliott, Esq.
Zori G. Ferkin, Esq.
Mr. Thomas Gerusky
Director, Penna. Emergency Management Agency
Angus Love, Esq.
David Wersan, Esq.
Robert J. Sugarman, Esq.
Kathryn S. Lewis, Esq.
Spence W. Perry, Esq.
Jay M. Gutierrez, Esq.
Atomic Safety & Licensing Appeal Board
Atomic Safety & Licensing Appeal Panel
Docket & Service Section
James Wiggins
Timothy R. S. Campbell