

LICENSEE EVENT REPORT (LER)

APPROVED OMB NO. 3150-0104
EXPIRES - 8/31/85

FACILITY NAME (1) **Limerick Generating Station - Unit 1** DOCKET NUMBER (2) **06000352** PAGE (3) **1 OF 03**

TITLE (4) **Spurious Isolation of the HPCI Steam Supply Inboard Isolation Valve**

| EVENT DATE (8) | | | LER NUMBER (6) | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (9) | | |
|--|-----|------|----------------|-------------------|-----------------|-----------------|-----|------|-------------------------------|--|------------------|
| MONTH | DAY | YEAR | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH | DAY | YEAR | FACILITY NAME | | DOCKET NUMBER(S) |
| 01 | 12 | 85 | 85 | 009 | 000 | 02 | 18 | 85 | | | 06000352 |
| <p>THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)</p> | | | | | | | | | | | |

| | | | | |
|------------------------------|--|--|--|--|
| OPERATING MODE (9) 2 | <input type="checkbox"/> 20.402(b) | <input type="checkbox"/> 20.409(a) | <input checked="" type="checkbox"/> 20.731(a)(2)(iv) | <input type="checkbox"/> 20.731(b) |
| POWER LEVEL (10) 0.03 | <input type="checkbox"/> 20.406(a)(1)(ii) | <input type="checkbox"/> 20.36(a)(1) | <input type="checkbox"/> 20.731(a)(2)(v) | <input type="checkbox"/> 20.731(a) |
| | <input type="checkbox"/> 20.406(a)(1)(iii) | <input type="checkbox"/> 20.36(a)(2) | <input type="checkbox"/> 20.731(a)(2)(vi) | <input type="checkbox"/> OTHER (Specify in Abstract below and in Title, NRC Form 364A) |
| | <input type="checkbox"/> 20.406(a)(1)(iv) | <input type="checkbox"/> 20.731(a)(1)(ii) | <input type="checkbox"/> 20.731(a)(2)(vii)(A) | |
| | <input type="checkbox"/> 20.406(a)(1)(v) | <input type="checkbox"/> 20.731(a)(2)(i) | <input type="checkbox"/> 20.731(a)(2)(viii)(B) | |
| | <input type="checkbox"/> 20.406(a)(1)(vi) | <input type="checkbox"/> 20.731(a)(2)(iii) | <input type="checkbox"/> 20.731(a)(2)(ix)(B) | |
| | <input type="checkbox"/> 20.406(a)(1)(vii) | <input type="checkbox"/> 20.731(a)(2)(iv) | <input type="checkbox"/> 20.731(a)(2)(x) | |

LICENSEE CONTACT FOR THIS LER (12)

NAME **John C. Nagle, Engineer - Special Projects** TELEPHONE NUMBER **215 841-5184**

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

| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC |
|-------|--------|-----------|--------------|-------------------|-------|--------|-----------|--------------|-------------------|
| X | B, J | T, S | R, 2, 78 | Y | | | | | |

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

| MONTH | DAY | YEAR |
|-------|-----|------|
| | | |

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

Abstract: 85-009

On January 12, 1985, at 2:30 p.m., with Unit 1 in the startup condition and at 3.5 percent power, a spurious isolation of the High Pressure Coolant Injection (HPCI) inboard steam supply isolation valve, HV-55-1F002, occurred. Erratic output from a temperature switch, caused by a poor connection within the switch, resulted in the isolation signal. The wire was properly reconnected and HPCI was declared operable at 11:30 p.m.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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|--|--|----------------|-------------------|-----------------|----------|----|-----|
| FACILITY NAME (1) Limerick Generating Station Unit 1 | DOCKET NUMBER (2) 0 5 0 0 0 3 5 2 8 5 | LER NUMBER (6) | | | PAGE (3) | | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
| | | 8 5 | - 0 0 9 | - 0 0 | 0 2 | OF | 0 3 |

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

Description of the Event:

On January 12, 1985, at 2:30 p.m., with Unit 1 in the startup condition and at 3.5 percent power, a spurious isolation of the High Pressure Coolant Injection (HPCI) inboard steam supply isolation valve, HV-55-1F002, occurred. Investigation traced the problem to the HPCI equipment room steam supply line area ambient temperature switch, TTS-55-1N602D. The output of the temperature switch was observed to be erratic and produced a Nuclear Steam Supply Shutoff System (NSSSS) Division 4 isolation signal. The temperature switch and HPCI were declared inoperable in accordance with Technical Specification 3.3.2.b.

Consequences of the Event:

The isolation valve responded properly by closing and remaining closed throughout the duration of the event. The balance of the ECCS systems required by Technical Specifications were verified to be operable.

Cause of the Event:

Investigation revealed that the cause of the erratic output of the temperature switch was the result of an improper connection to a resistor located on a module card within the temperature switch. This loose connection allowed the spurious upscale signal on the temperature switch which resulted in the isolation signal.

Corrective Actions:

The resistor on the module card was replaced and properly reconnected. A functional test was performed on the temperature switch to verify its operability. HPCI was declared operable at 11:30 p.m. on January 12, 1985.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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|--|--|----------------|-------------------|-----------------|----------|----|-----|
| FACILITY NAME (1) Limerick Generating Station Unit 1 | DOCKET NUMBER (2) 0 5 0 0 0 3 5 2 8 5 | LER NUMBER (6) | | | PAGE (3) | | |
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| | | | 0 0 9 | 0 0 0 | 0 3 | OF | 0 3 |

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

Previous Similar Occurrences:

None.

PHILADELPHIA ELECTRIC COMPANY

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PHILADELPHIA, PA. 19101

(215) 841-4000

February 11, 1985

Docket No. 50-352

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Washington, DC 20555

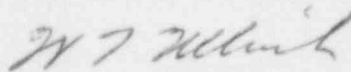
SUBJECT: Licensee Event Report
Limerick Generating Station - Unit 1

This LER deals with the spurious isolation of the High Pressure Coolant Injection steam supply inboard isolation valve.

Reference: Docket No. 50-352
Report Number: 85-009
Revision Number: 00
Event Date: January 12, 1985
Report Date: February 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(a)(2)(iv).

Very truly yours,



w. T. Ullrich
Superintendent
Nuclear Generation Division

cc: Dr. Thomas E. Murley, Administrator, Region I, USNRC
J. T. Wiggins, Senior Site Inspector
See Service List

1022
1/1

cc: Judge Helen F. Hoyt
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Docket & Service Section (3 Copies)
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January 16, 1985