

LICENSEE EVENT REPORT (LER)

| | | |
|---|--|----------------------------|
| FACILITY NAME (1) Browns Ferry - Unit 2 | DOCKET NUMBER (2) 0 5 0 0 0 2 6 0 | PAGE (3) 1 OF 0 2 |
|---|--|----------------------------|

TITLE (4) **Residual Heat Removal (RHR) Pump Started Inadvertently**

| EVENT DATE (6) | | | LER NUMBER (8) | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | | | | |
|----------------|-----|------|----------------|-------------------|-----------------|-----------------|-----|------|-------------------------------|---|------------------|---|---|---|
| MONTH | DAY | YEAR | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | | DOCKET NUMBER(S) | | | |
| 0 | 5 | 2 | 8 | 4 | 8 | 4 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |
| 0 | 5 | 2 | 8 | 4 | 8 | 4 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |

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|-------------------------------|--|---|--|--|---|--|--------------------------------------|--------------------------------------|---|---|---|---|---|---|---|---|--|--|-----------------------------------|-----------------------------------|
| 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) 0 5 9 | <input type="checkbox"/> 20.402(b) | <input type="checkbox"/> 20.406(a)(1)(i) | <input type="checkbox"/> 20.406(a)(1)(ii) | <input type="checkbox"/> 20.406(a)(1)(iii) | <input type="checkbox"/> 20.406(a)(1)(iv) | <input type="checkbox"/> 20.406(a)(1)(v) | <input type="checkbox"/> 20.406(c) | <input type="checkbox"/> 50.36(a)(1) | <input type="checkbox"/> 50.36(a)(2) | <input checked="" type="checkbox"/> 50.73(a)(2)(iv) | <input type="checkbox"/> 50.73(a)(2)(v) | <input type="checkbox"/> 50.73(a)(2)(vii) | <input type="checkbox"/> 50.73(a)(2)(viii)(A) | <input type="checkbox"/> 50.73(a)(2)(viii)(B) | <input type="checkbox"/> 50.73(a)(2)(ix) | <input type="checkbox"/> 73.71(b) | <input type="checkbox"/> 73.71(c) | OTHER (Specify in Abstract below and in Text, NRC Form 366A) | | |
| | <input type="checkbox"/> 20.406(a)(1)(i) | <input type="checkbox"/> 20.406(a)(1)(ii) | <input type="checkbox"/> 20.406(a)(1)(iii) | <input type="checkbox"/> 20.406(a)(1)(iv) | <input type="checkbox"/> 20.406(a)(1)(v) | <input type="checkbox"/> 20.406(c) | <input type="checkbox"/> 50.36(a)(1) | <input type="checkbox"/> 50.36(a)(2) | <input type="checkbox"/> 50.73(a)(2)(i) | <input type="checkbox"/> 50.73(a)(2)(ii) | <input type="checkbox"/> 50.73(a)(2)(iii) | <input type="checkbox"/> 50.73(a)(2)(iv) | <input type="checkbox"/> 50.73(a)(2)(v) | <input type="checkbox"/> 50.73(a)(2)(vi) | <input type="checkbox"/> 50.73(a)(2)(viii)(A) | <input type="checkbox"/> 50.73(a)(2)(viii)(B) | <input type="checkbox"/> 50.73(a)(2)(ix) | | <input type="checkbox"/> 73.71(b) | <input type="checkbox"/> 73.71(c) |
| | <input type="checkbox"/> 20.406(a)(1)(i) | <input type="checkbox"/> 20.406(a)(1)(ii) | <input type="checkbox"/> 20.406(a)(1)(iii) | <input type="checkbox"/> 20.406(a)(1)(iv) | <input type="checkbox"/> 20.406(a)(1)(v) | <input type="checkbox"/> 20.406(c) | <input type="checkbox"/> 50.36(a)(1) | <input type="checkbox"/> 50.36(a)(2) | <input type="checkbox"/> 50.73(a)(2)(i) | <input type="checkbox"/> 50.73(a)(2)(ii) | <input type="checkbox"/> 50.73(a)(2)(iii) | <input type="checkbox"/> 50.73(a)(2)(iv) | <input type="checkbox"/> 50.73(a)(2)(v) | <input type="checkbox"/> 50.73(a)(2)(vi) | <input type="checkbox"/> 50.73(a)(2)(viii)(A) | <input type="checkbox"/> 50.73(a)(2)(viii)(B) | <input type="checkbox"/> 50.73(a)(2)(ix) | | <input type="checkbox"/> 73.71(b) | <input type="checkbox"/> 73.71(c) |
| | <input type="checkbox"/> 20.406(a)(1)(i) | <input type="checkbox"/> 20.406(a)(1)(ii) | <input type="checkbox"/> 20.406(a)(1)(iii) | <input type="checkbox"/> 20.406(a)(1)(iv) | <input type="checkbox"/> 20.406(a)(1)(v) | <input type="checkbox"/> 20.406(c) | <input type="checkbox"/> 50.36(a)(1) | <input type="checkbox"/> 50.36(a)(2) | <input type="checkbox"/> 50.73(a)(2)(i) | <input type="checkbox"/> 50.73(a)(2)(ii) | <input type="checkbox"/> 50.73(a)(2)(iii) | <input type="checkbox"/> 50.73(a)(2)(iv) | <input type="checkbox"/> 50.73(a)(2)(v) | <input type="checkbox"/> 50.73(a)(2)(vi) | <input type="checkbox"/> 50.73(a)(2)(viii)(A) | <input type="checkbox"/> 50.73(a)(2)(viii)(B) | <input type="checkbox"/> 50.73(a)(2)(ix) | | <input type="checkbox"/> 73.71(b) | <input type="checkbox"/> 73.71(c) |
| | <input type="checkbox"/> 20.406(a)(1)(i) | <input type="checkbox"/> 20.406(a)(1)(ii) | <input type="checkbox"/> 20.406(a)(1)(iii) | <input type="checkbox"/> 20.406(a)(1)(iv) | <input type="checkbox"/> 20.406(a)(1)(v) | <input type="checkbox"/> 20.406(c) | <input type="checkbox"/> 50.36(a)(1) | <input type="checkbox"/> 50.36(a)(2) | <input type="checkbox"/> 50.73(a)(2)(i) | <input type="checkbox"/> 50.73(a)(2)(ii) | <input type="checkbox"/> 50.73(a)(2)(iii) | <input type="checkbox"/> 50.73(a)(2)(iv) | <input type="checkbox"/> 50.73(a)(2)(v) | <input type="checkbox"/> 50.73(a)(2)(vi) | <input type="checkbox"/> 50.73(a)(2)(viii)(A) | <input type="checkbox"/> 50.73(a)(2)(viii)(B) | <input type="checkbox"/> 50.73(a)(2)(ix) | | <input type="checkbox"/> 73.71(b) | <input type="checkbox"/> 73.71(c) |

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|------------------------------------|--|--|--|--|--|--|--|------------------|--------------------------------|
| LICENSEE CONTACT FOR THIS LER (12) | | | | | | | | | |
| NAME Jimmy B. Walker | | | | | | | | TELEPHONE NUMBER | |
| | | | | | | | | AREA CODE | |
| | | | | | | | | 2 0 5 | 7 2 9 - 10 8 6 5 |

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 |
|-------|--------|-----------|--------------|---------------------|-------|--------|-----------|--------------|---------------------|
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|---|--|--|--|--|--|--|--|--|--|-------------------------------|--|-------|-----|------|
| SUPPLEMENTAL REPORT EXPECTED (14) | | | | | | | | | | EXPECTED SUBMISSION DATE (15) | | MONTH | DAY | YEAR |
| <input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO | | | | | | | | | | | | | | |

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

During normal operation, residual heat removal pump 2C started inadvertently while performing Surveillance Instruction 4.2.B.45A. The pump was started due to the improper interpretation of the procedure instructions by the operator.

The basic cause for the misinterpretation was the lack of clarity of the procedure. A relay was inhibited for Loop II instead of Loop I allowing the incorrect pump start to be initiated. The pump was tripped manually and placed back into standby readiness. Changes to this procedure as well as similar surveillance instructions will be implemented to prevent recurrence.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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|--|--|----------------|-------------------|-----------------|----------|-----|
| FACILITY NAME (1) Browns Ferry - Unit 2 | DOCKET NUMBER (2) 0 5 0 0 0 2 6 0 8 4 | LER NUMBER (6) | | | PAGE (3) | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | |
| | | 0 0 5 | 0 0 | 0 0 | 0 2 | 0 2 |

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

Unit 1 was operating at 100 percent power, unit 2 was operating at 59 percent power, and unit 3 was in a refueling outage. Unit 2 was the only unit affected by this event.

On May 25, 1984, during the performance of Surveillance Instruction 4.2.B.45A, Loop II (Step 4.1.g and Step 4.1.k) the 2C residual heat removal (BO) pump (P) started when a relay (RLY) on Loop II was inhibited instead of Loop I. The pump was manually tripped by the operator performing the surveillance, and placed back into standby readiness. There was no safety concern as the pump was available to perform its intended function.

The procedure did not have sufficient caution statements to prevent operation of or inhibiting incorrect relays and contacts (CNTR) which will start the pump in the other loop.

A change to this procedure will be initiated by June 29, 1984. Other surveillance instructions with a similar format will be revised before their performance date to include necessary precaution statements to try eliminate this from happening in the future. The error made in performing this instruction was discussed with the employees involved.

Responsible Section - EN

Previous Similar Events - None

Browns Ferry Nuclear Plant
P. O. Box 2000
Decatur, Alabama 35602

June 12, 1984

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

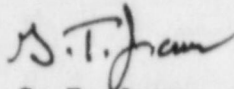
Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 2 - DOCKET
NO. 50-260 - FACILITY OPERATING LICENSE DPR-52 - REPORTABLE OCCURRENCE
REPORT BFRO-50-260/84005

The enclosed report provides details concerning Residual Heat Removal (RHR)
2C pump started inadvertently during surveillance instruction performance.
This report is submitted in accordance with 10 CFR 50.73 (a)(2)(iv).

Very truly yours,

TENNESSEE VALLEY AUTHORITY



G. T. Jones
Power Plant Superintendent
Browns Ferry Nuclear Plant

Enclosure

cc (Enclosure):
Regional Administrator
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
101 Marietta Street, Suite 2900
Atlanta, GA 30303

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, GA 30339

NRC Resident Inspector, BFN
NUC PR ARMS, 1520 CST2-C
J. Hutton, Chief, Reactor Engineering Branch (w/10CFR21)
E. A. Belvin, 109 MPB-M
C. W. Crawford, 670 CST2-C
C. H. Crowell, E12A4 C-K
H. N. Culver, 249A HBB-K
J. P. Darling, 1750 CST2-C (w/10CFR21)
A. Brusck, 126 LSB-K
R. J. Johnson, POTC (Attn: N. S. Catron)
R. L. Lumpkin, 401 UBB-C
D. E. McCloud, 1530 CST2-C
L. M. Mills, 400 CST2-C
J. A. Raulston, W10C126 C-K
F. A. Szczepanski, 220 401B-C
D. L. Williams, W10B84 C-K

T. L. Chinn, BFN
J. A. Coffey, BFN
S. R. Maehr, BFN
E. G. Thornton, BFN
T. D. Cosby, BFN
W. C. Thomison, BFN (COG SEC)

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