

LICENSEE EVENT REPORT

EXHIBIT A

NRC Form 366
(9-83)

U.S. Nuclear Regulatory Commission
Approved OMB No. 3150-0104
Expires: 8/31/85

L I C E N S E E E V E N T R E P O R T (L E R)

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|---|--|
| FACILITY NAME (1) Arkansas Nuclear One, Unit Two | DOCKET NUMBER (2) PAGE (3) 1051010101 31 61 8110F1011 |
|---|--|

TITLE (4)
Manual Reactor Trip Following Transfer of Inverter

| EVENT DATE (5) | | | LER NUMBER (6) | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | | | | | | | | | | |
|----------------|-----|------|-------------------|-----------------|-----------------|-----|------|-------------------------------|------------------|---|---|----|----|----|----|----|----|--|------------|
| Month | Day | Year | Sequential Number | Revision Number | Month | Day | Year | Facility Names | Docket Number(s) | | | | | | | | | | |
| 01 | 21 | 08 | 04 | 04 | -- | 0 | 11 | 09 | -- | 0 | 0 | 01 | 08 | 21 | 01 | 08 | 41 | | 0151010101 |

OPERATING MODE (9) | 1 | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

| | | | | | |
|----------------------------|--|---|---|---|-----------------------------------|
| POWER LEVEL (10) 1101010 | <input type="checkbox"/> 20.402(b) | <input type="checkbox"/> 20.405(a)(1)(i) | <input type="checkbox"/> 20.405(c) | <input checked="" type="checkbox"/> 50.73(a)(2)(iv) | <input type="checkbox"/> 73.71(b) |
| | <input type="checkbox"/> 20.405(a)(1)(ii) | <input type="checkbox"/> 50.36(c)(1) | <input type="checkbox"/> 50.73(a)(2)(v) | <input type="checkbox"/> 73.71(c) | |
| | <input type="checkbox"/> 20.405(a)(1)(iii) | <input type="checkbox"/> 50.36(c)(2) | <input type="checkbox"/> 50.73(a)(2)(vii) | <input type="checkbox"/> Other (Specify in Abstract below and in Text, NRC Form 366A) | |
| | <input type="checkbox"/> 20.405(a)(1)(iv) | <input type="checkbox"/> 50.73(a)(2)(i) | <input type="checkbox"/> 50.73(a)(2)(viii)(A) | | |
| | <input type="checkbox"/> 20.405(a)(1)(v) | <input type="checkbox"/> 50.73(a)(2)(ii) | <input type="checkbox"/> 50.73(a)(2)(viii)(B) | | |
| | | <input type="checkbox"/> 50.73(a)(2)(iii) | <input type="checkbox"/> 50.73(a)(2)(x) | | |

LICENSEE CONTACT FOR THIS LER (12)

| | |
|--|---|
| Name Patrick Rogers, Plant Licensing Engineer | Telephone Number Area Code 5101191614-1311010 |
|--|---|

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 |
|-------|--------|-----------|--------------|---------------------|-------|--------|-----------|--------------|---------------------|
| | | | | | | | | | |

SUPPLEMENT REPORT EXPECTED (14)

| | | | |
|--|--|-------------------------------|--------------------|
| <input type="checkbox"/> Yes (If yes, complete Expected Submission Date) | <input checked="" type="checkbox"/> No | EXPECTED SUBMISSION DATE (15) | Month Day Year |
|--|--|-------------------------------|--------------------|

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

On 7/20/84, at 0118 hours a manual reactor trip was initiated from 100% full power (FP) following a spurious half-leg trip (one of two paths) caused by switching of inverter 2Y11 supplying power to Core Protection Calculator (CPC) Channel A, Control Element Assembly Calculator (CEAC) #1, Engineered Safety Features (ESF) and Plant Protection System (PPS) cabinets, and the AB trip matrices for half of the Control Element Drive Mechanism (CEDM) breakers. At approximately 0100 hours an operator, dispatched to reset an inverter alarm, inadvertently pressed the "alternate source to load" button instead of the "reset" button. Realizing his mistake, he pressed the "inverter to load" button to return the inverter to the normal configuration. When the inverter was switched back to normal, an electrical transient apparently occurred. This resulted in tripping of four CEDM breakers and all PPS Channel A trip parameters. Based on the degraded plant indications and the belief that an automatic trip was imminent, a control room operator tripped the reactor manually. Reactor trip recovery proceeded with no unusual difficulties, and no significant post-trip anomalies were noted. Inverter 2Y11 was subsequently inspected and operated with no inverter output degradation during testing.

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August 20, 1984

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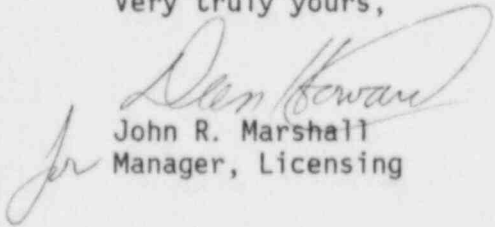
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Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Licensee Event Report
No. 84-019-00

Gentlemen:

In accordance with 10CFR50.73(a)(2)(iv), attached is the subject report concerning a spurious half-leg trip (one of two paths) caused by switching of inverter 2Y11 supplying power to Core Protection Calculator Channel A, Control Element Assembly Calculator #1, Engineered Safety Features and Plant Protection System cabinets, and the AB trip matrices for half of the Control Element Drive Mechanism breakers.

Very truly yours,


John R. Marshall
Manager, Licensing

JRM:RJS:ac

Attachment

cc: Mr. Richard C. DeYoung
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Norman M. Haller, Director
Office of Management & Program Analysis
U. S. Nuclear Regulatory Commission
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