NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

# LICENSEE EVENT REPORT (LER)

| FACILITY NAME (1) | DOCKET NUMBER (2) | PAGE (3) |
|---|---|---|
| EDWIN I. HATCH, I | 0 5 0 0 0 3 2 1 | 1 OF 0 2 |

TITLE (4)

SPURIOUS STANDBY GAS TREATMENT INITIATION

| EVENT DATE (5) | | | LER NUMBER (6) | | | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MONTH | DAY | YEAR | YEAR | | SEQUENTIAL NUMBER | | REVISION NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | DOCKET NUMBER(S) |
| 1 2 | 1 9 | 8 5 | 8 5 | - | 0 4 6 | - | 0 0 | 0 1 | 1 7 | 8 6 | E. I. HATCH, UNIT II | 0 5 0 0 0 3 6 6 |
| | | | | | | | | | | | | 0 5 0 0 0 |

| 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) | 1 0 0 | 20.402(b) | 20.405(c) | X | 50.73(a)(2)(iv) | 73.71(b) | |
| | | 20.405(a)(1)(i) | 50.36(c)(1) | | 50.73(a)(2)(v) | 73.71(c) | |
| | | 20.405(a)(1)(ii) | 50.36(c)(2) | | 50.73(a)(2)(vii) | OTHER (Specify in Abstract below and in Text, NRC Form 366A) | |
| | | 20.405(a)(1)(iii) | 50.73(a)(2)(i) | | 50.73(a)(2)(viii)(A) | | |
| | | 20.405(a)(1)(iv) | 50.73(a)(2)(ii) | | 50.73(a)(2)(viii)(B) | | |
| | | 20.405(a)(1)(v) | 50.73(a)(2)(iii) | | 50.73(a)(2)(x) | | |

LICENSEE CONTACT FOR THIS LER (12)

| NAME | TELEPHONE NUMBER |
|---|---|
| | AREA CODE |
| Steven B. Tipps, Superintendent of Regulatory Compliance | 9 1 2 3 6 7 - 7 8 5 1 |

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

| SUPPLEMENTAL REPORT EXPECTED (14) | | EXPECTED SUBMISSION DATE (15) | MONTH | DAY | YEAR |
|---|---|---|---|---|---|
| X YES (If yes, complete EXPECTED SUBMISSION DATE) | NO | | | | |


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

At approximately 0245 CST on 12/19/85, with Unit 1 in cold shutdown for refueling, and Unit 2 operating at 2436 MWt (100% power), Standby Gas Treatment (SBGT) trains "1B" and "2B" started for no apparent reason.

An investigation by the onsite engineering staff failed to identify a cause for the unplanned actuation of the SBGT trains. Consequently, the SBGT trains were shut down and returned to the standby mode at approximately 0315 CST on 12/19/85.

This event has been determined to be a nonrecurring spurious actuation of the SBGT trains.

An engineering evaluation has shown that although the subject actuation of SBGT was not demanded by plant conditions, the system did initiate and subsequently function as designed. Since this actuation was a conservative system response the health and safety of the public were not affected by the event.




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NRC Form 366
(9-83)

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|---|---|---|---|---|---|
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | |
| EDWIN I. HATCH, I | 0 5 0 0 0 3 2 1 | 8 5 | — 0 4 6 | — 0 0 | 0 2 OF 0 2 |

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

This 30 day LER is required by 10CFR 50.73(a)(2)(iv) because this event is the unplanned actuation of the Standby Gas Treatment (SBGT) System which is an Engineered Safety Feature (ESF).

At approximately 0245 CST on 12/19/85, with Unit 1 in cold shutdown for refueling, and Unit 2 operating at 2436 MWt (100% power), SBGT trains "1B" (1T46-C001B) and "2B" (2T46-C001B) automatically started for no immediately apparent reason from the standby mode. Simultaneously, the Unit 1 reactor building exhaust vent closed and the Units 1 and 2 refueling floor exhaust vents closed.

An immediate coordinated investigation was initiated by plant operations personnel and contract engineering personnel. The investigation showed that SBGT trains "1B" and "2B" automatically started while contract engineering personnel were changing out SBGT HFA relay 1A71-K5C per previously approved Design Change Request (DCR) 82-171.

Further investigation by engineering personnel failed to identify a cause for the automatic starting of SBGT trains "1B" and "2B". Consequently, the SBGT trains were shut down and returned to the standby mode at approximately 0315 CST on 12/19/85.

Onsite engineering personnel have evaluated this event, and they have determined it to be a spurious actuation. Although one relay in the system logic was being changed out (1A71-K5C), this alone could not have initiated the event. For SBGT to automatically start, at least one of two other relays in the system logic would also have to have been de-energized. No maintenance was in progress on the SBGT logic which would have resulted in those relays being de-energized. Furthermore, there was no evidence that the replacement of relay 1A71-K5C was being performed improperly.

Since this is an isolated event with no discernable cause, no action to prevent recurrence was initiated. The operability of the SBGT systems was not affected by this event.

There have been no previous events where the SBGT systems have actuated for no discernable reason.

An engineering evaluation has shown that although the subject actuation of SBGT was not demanded by plant conditions, the system did inititiate and subsequently function as designed. Since this actuation was a conservative system response the health and safety of the public were not affected by the event.

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Georgia Power
the southern electric system

L. T. Gucwa
Manager Nuclear Engineering
and Chief Nuclear Engineer

SL-196
0166C

January 17, 1986

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

Attached is Licensee Event Report 50-321/1985-046. This report meets the reporting requirements of 10 CFR 50.73(a)(2)(iv)

Very truly yours,

L T Gucwa

L. T. Gucwa

CBS/lc

Attachment

c: Mr. J. T. Beckham, Jr.
Mr. H. C. Nix, Jr.
NRC-Region II
GO-NORMS

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