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#### A. REQUIREMENT FOR REPORT

This report is required per 10 CFR 50.73 (a)(2)(iv) since an unplanned Engineered Safety Feature (ESF) actuation occurred.

#### B. UNIT STATUS AT TIME OF EVENT

At the time of this event on March 30, 1987 the unit was in mode 1 (power operation) at 10% rated thermal power. Control room air intake radiogas monitors, IRE-12116 and IRE-12117, were operable. The control room ventilation system was in the normal mode of operation.

## C. DESCRIPTION OF EVENT

On March 30, 1987, at 0425 CST, a control room ventilation isolation (CRI) occurred. The operator checked the Safety Related Display Console (SRDC) for an alarm condition of the control room air intake monitors, IRE-12116 and IRE-12117. No alert or high radiation alarm existed on either monitor, but a trouble light was indicated on the SRDC for monitor IRE-12116, which had failed downscale. Monitor IRE-12117 indicated normal, while monitor IRE-12116 was reading default values. Default values are permanent inserted values inputted whenever there is a loss or interruption of power to the data processing module (DPM).

Since monitor IRE-12117 was indicating normal, and since there was a trouble light but no alarms on monitor IRE-12116, it was concluded that a problem with the power supply to the DPM for monitor IRE-12116 had caused the CRI. Monitor IRE-12116 was removed from service and the control room ventilation was returned to normal ventilation at approximately 0435 CST on 3/30/87. Plant systems functioned as designed to isolate the control room.

## D. CAUSE OF EVENT

The control room air intake radiogas monitor, IRE-12116, apparently sensed a power interruption or voltage transient, and reverted to its failsafe (default) position, i.e., generation of a CRI actuation signal.

19-83) LICENSEE EVE	LICENSEE EVENT REPORT (LER) TEXT CONTINUATION					
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### E. ANALYSIS OF EVENT

The redundant radiation monitor, 1RE-12117, in operation at the time of the event, displayed normal reading and no alarm condition. Monitor 1RE-12116 did not show a visual high radiation alarm, but a trouble light on the SRDC indicated a fault. The control room operators determined a valid radiation signal did not exist. Since the cause was determined to be a false CRI actuation signal, and since plant safety systems functioned as designed, it is concluded that this event had no adverse affect on plant safety. Since this ESF (CRI) functions independently of reactor power, this event would also have had no adverse affect on plant safety even at higher power levels.

## F. CORRECTIVE ACTIONS

After the event, Instrument and Control personnel connected a voltage recorder to IRE-12116's input voltage to monitor future possible voltage transients. Corrective actions remain to be determined until the scope and extent of the spurious actions can be identified by further investigation and/or testing. Testing is planned when the unit is returned to a mode which allows 120 VAC system testing to be adequately and safety accomplished. Long term corrective action will be addressed in a supplemental report that is expected to be submitted by May 15, 1987.

# G. ADDITIONAL INFORMATION

Previous LERs on similar events: Licensee Event Report 50-424/1987-005-00, dated 3-25-87 Licensee Event Report 50-424/1987-005-01, dated 4-3-87 Licensee Event Report 50-424/1987-005-02, dated 4-27-87 These LER's indicate corrective action to be completed when plant is operating in a mode where this can be safety accomplished.

Energy Industry Identification System Radiation Monitoring System -IL

Georgia Power Company 333 Piedmont Avenue Atlanta, Georgia 30308 Telephone 404 526-6526

.

Mailing Address: Post Office Box 4545 Atlanta, Georgia 30302

L. T. Gucwa Manager Nuclear Safety and Licensing



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April 29, 1987

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

> NRC DOCKET 50-424 OPERATING LICENSE NPF-68 PLANT VOGTLE - UNIT 1 LICENSE EVENT REPORT 120 VAC VOLTAGE TRANSIENT CAUSES ESF ACTUATIONS

Gentlemen:

Pursuant to the requirements of 10 CFR 50.73(a)(2)(iv), Georgia Power Company is submitting a Licensee Event Report (LER) concerning an actuation of an Engineered Safety Feature at Plant Vogtle - Unit 1.

Sincerely,

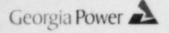
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Enclosure: LER 50-424/1987-005-03

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U. S. Nuclear Regulatory Commission Document Control Desk April 29, 1987

c: <u>Georgia Power Company</u> Mr. R. E. Conway Mr. J. P. G'Reilly Mr. G. Bockhold, Jr. Mr. J. F. D'Amico Mr. C. W. Hayes GO-NORMS

> Southern Company Services Mr. R. A. Thomas Mr. J. A. Bailey

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U. S. Nuclear Regulatory Commission Dr. J. N. Grace, Regional Administrator Ms. M. A. Miller, Licensing Project Manager, NRR (2 copies) Mr. J. F. Rogge, Senior Resident Inspector-Operations, Vogtle

Georgians Against Nuclear Energy Mr. D. Feig Ms. C. Stangler

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