

CONTROL BLOCK:

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|--|--|--|--|--|--|
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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

| | |
|---|---|
| 0 | 1 |
| 7 | 8 |

REPORT SOURCE

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|----|---|---|---|---|---|---|---|---|----|------------|---|---|---|---|----|-------------|---|---|---|---|---|---|----|
| L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 6 | 6 | 7 | 0 | 4 | 1 | 6 | 8 | 1 | 8 | 1 | 1 | 0 | 1 | 8 | 5 | 9 |
| 60 | 61 | | | | | | | | | 68 | 69 | | | | | 74 | 75 | | | | | | | 80 |
| DOCKET NUMBER | | | | | | | | | | | EVENT DATE | | | | | | REPORT DATE | | | | | | | |

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | Unit 2 was operating at 95% power. While performing surveillance for
0 3 | emergency diesel generator 2C, the generator failed to obtain rated
0 4 | voltage less than or equal to 12 sec as required by FSAR table 8.3.3. Rated
0 5 | voltage was obtained in 18 seconds, and the diesel was available to
0 6 | supply emergency AC power had it been needed. An LCO was declared per
0 7 | unit two Tech Specs 3/4.8.1. The event is nonrepetitive. There were
0 8 | no effects upon public safety and health.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|----|----------------------|----|----------------------|-----------------|----|----|------------------------------|----|----|--------------------------|----|-----------------------|----|----|---------------------------|------------------|----|-----------------------|----|-------------------|---------------------------|----|----|--------------------------------|----|----|----|----|----|----|----|
| 09 | | SYSTEM CODE EE | | 11 | CAUSE CODE E | | 12 | CAUSE SUBCODE E | | 13 | COMPONENT CODE RELAYX | | | | 14 | COMP. SUBCODE F | | 15 | VALVE SUBCODE Z | | 16 | | | | | | | | | | | |
| 7 | 8 | 9 | 10 | | 11 | 12 | | 13 | | | | | | 18 | | 19 | | | 20 | | | | | | | | | | | | | |
| 17 | | LER/RO REPORT NUMBER | | EVENT YEAR 81 | | 21 | 22 | SEQUENTIAL REPORT NO. 036 | | 24 | 25 | 26 | OCCURRENCE CODE 03 | | 28 | 29 | REPORT TYPE X | | 30 | 31 | REVISION NO. 1 | | 32 | | | | | | | | | |
| ACTION TAKEN X | | FUTURE ACTION Z | | EFFECT ON PLANT Z | | 33 | 34 | SHUTDOWN METHOD Z | | 35 | 36 | 37 | HOURS 0000 | | 40 | ATTACHMENT SUBMITTED Y | | 41 | NPRD-4 FORM SUB. N | | 42 | PRIME COMP. SUPPLIER X | | 43 | COMPONENT MANUFACTURER 5345 | | 44 | 45 | 46 | 47 | | |
| 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 |

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The field flash circuit failed and the generator excited by residual
1 1 magnetism. Following a maintenance inspection the surveillance proc-
1 2 edure was successfully performed, and the diesel was returned to an
1 3 operable status. For further details, refer to the narrative report.
1 4

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|-----------------|--|---|--|------|--|---------|--|--|----|--|--|----|--|--|----|--|--|------|--|--|--------------|--|--|------|--|--|---------------------|--|--|-----------------------|--|--|------|--|--|
| 1 | | 5 | | FACILITY STATUS | | E | | (28) | | % POWER | | | 0 | | | 9 | | | 5 | | | (29) | | | OTHER STATUS | | | (30) | | | METHOD OF DISCOVERY | | | DISCOVERY DESCRIPTION | | | (32) | | |
| 2 | | 8 | | 9 | | | | | | 10 | | | 11 | | | 12 | | | 13 | | | | | | 44 | | | 45 | | | 46 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | B | | | (31) | | | Operator Observation | | | | | |

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 Z 33 Z 34 NA

7 8 9 10 11 44

AMOUNT OF ACTIVITY (35)

NA

LOCATION OF RELEASE (36)

NA

| PERSONNEL EXPOSURES | | | | DESCRIPTION | |
|---------------------|---|-------|--------|-------------|----|
| NUMBER | | | TYPE | | |
| 1 | 7 | 0 0 0 | (37) Z | (38) | NA |

| PERSONNEL INJURIES | | NUMBER | | DESCRIPTION | |
|--------------------|---|--------|---|-------------|----|
| 1 | 2 | 0 | 0 | 0 | NA |

8511070047 851101

| | | | | | | | |
|---|---|-------------------------------|------|-----|----------------|-----|----------|
| 1 | 9 | LOSS OF OR DAMAGE TO FACILITY | (43) | PDR | ADOCK 05000366 | PDR | 80 |
| | | TYPE DESCRIPTION | | S | | | |
| | | Z | (42) | NA | | | IE 22 11 |

| | | | | | | | | | | | |
|---|--|---|--|---|--|----|--|----|--|--------------|--|
| 2 | | 0 | | N | | 44 | | NA | | NRC USE ONLY | |
|---|--|---|--|---|--|----|--|----|--|--------------|--|

NAME OF PREPARER S. B. Tipps, Supt. Regulatory Compliance (912) 367-7851

PHONE

NARRATIVE REPORT
FOR LER 50-366/1983-036, REV. 1

LICENSEE : GEORGIA POWER COMPANY
FACILITY NAME : EDWIN I. HATCH
DOCKET NUMBER : 50-366

On 04/16/81, with the reactor mode switch in the run position and reactor power at approximately 95% power, and during performance of the "DIESEL GENERATOR MANUAL START" procedure (HNP-2-3801), plant personnel noted that the "2C" diesel generator failed to reach rated voltage in less than 12 seconds as required by the Final Safety Analysis Report (FSAR), table 8.3.3. However, the diesel generator achieved rated voltage in 18 seconds. Two subsequent starts were performed for observation, and a repeat of the same voltage delay occurred. However, the diesel engine started satisfactorily each time. The annunciator for the "Generator Field Ground" did not momentarily alarm as it usually does during a diesel start indicating the battery system has tied to flash the field. It then became apparent that the field flashing relays failed to operate, and that residual magnetism provided generator excitation.

The "2C" diesel generator was declared inoperable. Later following a maintenance inspection, three successful troubleshoot starts were performed without voltage delay. HNP-2-3801 was then completed satisfactorily, and the "2C" diesel generator was declared operable and returned to service.

Initially, the cause of the field flashing relays failure to operate was believed to be effects resulting from monitoring the diesel generator during test runs following engine repair for a previous diesel failure (i.e., reported as LER-50-366/1980-159). Further investigation revealed that the field flashing relays failed to actuate due to binding in the latching and unlatching mechanism. On 12/11/81, the binding problem was corrected and since that time the field flashing relays have performed satisfactorily. Thus, the original plans for replacement of the field flashing relays were re-evaluated and then cancelled.

The health and safety of the public were not affected by this non-repetitive event.

Georgia Power Company
Post Office Box 439
Baxley, Georgia 31513
Telephone 912 367-7781
912 537-9444



Georgia Power

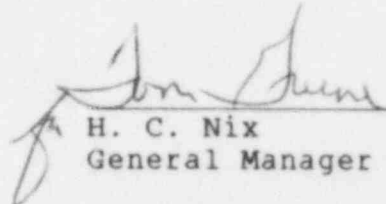
Edwin I. Hatch Nuclear Plant

November 1, 1985
LR-MGR-081-1085

PLANT E. I. HATCH
Licensee Event Report
Docket No. 50-366

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Pursuant to section 6.9.1.9.b of Hatch Unit 2 Technical Specifications,
please find attached Reportable Occurrence Report # 50-366/1981-036,
Rev. 1.


H. C. Nix
General Manager

LEE
HCN/STB/lmw

xc: NRC Region II
Document Control
Letter File (2)

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