

LICENSEE EVENT REPORT

CONTROL BLOCK: _____ (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | G | A | E | I | H | 2 | 7 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5
7 8 9 14 15 25 26 30 57 CAT 58

CON'T
0 1 | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 6 | 6 | 7 | 0 | 4 | 1 | 6 | 8 | 1 | 1 | 8 | 0 | 5 | 0 | 7 | 8 | 1 | 9
7 8 60 61 65 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | Unit 2 was operating at rated 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 12sec 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.

0 9 | E | E | 11 | E | 12 | A | 13 | R | E | L | A | Y | X | 14 | F | 15 | Z | 16
7 8 9 10 11 12 13 18 19 20

17 | LER/RO REPORT NUMBER | 8 | 1 | 21 | 22 | — | 23 | C | 3 | 6 | 24 | 26 | / | 27 | 0 | 3 | 28 | 29 | L | 30 | — | 31 | 0 | 32
18 | ACTION TAKEN | X | 19 | FUTURE ACTION | A | 20 | EFFECT ON PLANT | Z | 21 | SHUTDOWN METHOD | Z | 22 | HOURS | 0 | 0 | 0 | 0 | 23 | ATTACHMENT SUBMITTED | Y | 24 | NPRD-4 FORM SUB. | N | 25 | PRIME COMP. SUPPLIER | X | 26 | COMPONENT MANUFACTURER | 5 | 3 | 4 | 5 | 26
33 34 35 36 37 40 41 42 43 44 47

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. New field flash relays are on order and will be in-
1 4 | stalled upon receipt.

1 5 | E | 28 | 0 | 9 | 5 | 29 | NA | 30 | B | 31 | Operator Observation | 32
7 8 9 10 12 13 44 45 46 80

1 6 | Z | 33 | Z | 34 | NA | 35 | NA | 36
7 8 9 10 11 44 45 80

1 7 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39
7 8 9 11 12 13 80

1 8 | 0 | 0 | 0 | 40 | NA | 41
7 8 9 11 12 80

1 9 | Z | 42 | NA | 43
7 8 9 10 80

2 0 | N | 44 | NA | 45 | _____ | 46
7 8 9 10 11 46 80

NRC USE ONLY

LER #: 50-366/1981-036
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-366

Narrative Report
for LER 50-366/1981-036

On 4-16-81, while Unit 2 was operating at rated power, surveillance procedure "Diesel Generator Manual Start," HNP-2-3801, was in progress for diesel 2C. The diesel was manually started, and the generator failed to reach rated voltage in less than 12 seconds as required by FSAR table 8.3.3, but was obtained in 18 seconds. Two subsequent starts were performed for observation, and a repeat of the same voltage delay occurred although the diesel engine started satisfactorily each time. Annunciator "Generator Field Ground" did not momentarily alarm as it usually does during a diesel start indicating the battery system is tied to flash the field. It became apparent residual magnetism provided generator excitation.

Diesel 2C was declared inop. Later following a maintenance inspection, three successful troubleshoot manual starts were performed without voltage delay. Surveillance procedure "Diesel Generator Manual Start", HNP-1-3801, was completed satisfactorily and diesel 2C was declared operable. This event is nonrepetitive. There were no effects upon public safety or health. The apparent cause of field flashing relays to operate was due to effects resulting from motoring the diesel generator during test runs following engine repair reported by LER 50-366/1980-159. New relays are on order and will replace those in service upon receipt.