

LICENSEE EVENT REPORT

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

01 G A E I H 1 200-000000-000 341111 4 5
7 8 9 14 15 25 26 30 57 CAT 58

CON'T
01 REPORT SOURCE L 605000321 7080183 8082583 9
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10
02 On 8/1/83, while performing HNP-1-3801 "DIESEL GENERATOR MANUAL START"
03 procedure, the "1A" diesel generator failed to start. The pre-start
04 checks were reverified. The "1A" diesel generator failed to start on the
05 second attempt. This event is contrary to the requirements of T.S. sect.
06 3.9.A.2. The redundant systems listed in Tech. Specs. section 3.5.G and
07 3.9.B.2 were operable. Unit 1 was placed in 7-day LCO. The health and
08 safety of the public were not affected by this non-repetitive event.
7 8 9 80

09 SYSTEM CODE E E 11 CAUSE CODE E 12 CAUSE SUBCODE X 13 COMPONENT CODE E N G I N E 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16
7 8 9 10 11 12 13 18 19 20

17 LER/RO REPORT NUMBER 83 — SEQUENTIAL REPORT NO. 033 — OCCURRENCE CODE 03 REPORT TYPE L — REVISION NO. 0
21 22 23 24 26 27 28 29 30 31 32

ACTION TAKEN X 18 FUTURE ACTION Z 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0000 22 ATTACHMENT SUBMITTED Y 23 NRPD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER F O I O 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27
10 Due to the particular logic employed by the Hatch diesel generators, the
11 combination of starting air being applied, the fuel rack moving to the
12 full load position, and the engine not firing indicates inadequate and/or
13 improper fuel supply to the engine. The engine was manually primed and
14 the third as well as several consecutive start attempts were completed.
7 8 9 80

FACILITY STATUS E 28 % POWER 100 29 OTHER STATUS NA 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Operator Observation 32
7 8 9 10 12 13 44 45 46 80

ACTIVITY RELEASED Z 33 CONTENT Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36
7 8 9 10 11 44 45 80

PERSONNEL EXPOSURES NUMBER 000 37 TYPE Z 38 DESCRIPTION NA 39
7 8 9 11 12 13 80

PERSONNEL INJURIES NUMBER 000 40 DESCRIPTION NA 41
7 8 9 11 12 80

LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43
7 8 9 10 80

PUBLICITY ISSUED N 44 DESCRIPTION NA 45
7 8 9 10 80

8309070217 830825
PDR ADOCK 05000321
S PDR
NAME OF PREPARER S. B. Tipps
PHONE (912)367-7851
NRC USE ONLY
68 69 80

NARRATIVE REPORT
FOR LER 50-321/1983-083

LICENSEE : GEORGIA POWER COMPANY
FACILITY NAME : EDWIN I. HATCH
DOCKET NUMBER : 50-321

Tech. Specs. section(s) which requires report:

This 30-day LER is required by Tech. Specs. section 6.9.1.9.b due to the event's showing that the unit was not meeting the requirements of Tech. Specs. section 3.9.A.2.

Plant conditions at the time of the event(s):

This event occurred on 8/1/83 with the reactor mode switch in the run position and reactor power at 2435 MWt (approximately 100% power).

Detailed description of the event(s):

On 08/01/83 while performing the "DIESEL GENERATOR MANUAL START" procedure (HNP-1-3801), the "1A" diesel generator failed to start. A PEO (plant equipment operator) verified the pre-start checks. Engineering was present when the second start was attempted. He observed the fuel rack moving to the full load position during the start attempt. Seven seconds later the engine received a second start failure trip. This start failure made the diesel generator inoperable; thus, the unit could not meet the requirements of Tech. Specs. section 3.9.A.2.

Consequences of the event(s):

Plant operation was not affected by this event. The health and safety of the public were not affected by this event.

Status of redundant or backup subsystems and/or systems:

The redundant systems as listed in Tech. Specs. sections 3.5.G and 3.9.B.2 were operable.

Justification for continued operation:

Unit 1 was placed in a 7-day LCO as required by Tech. Specs. sections 3.5.G and 3.9.B.2.

If repetitive, number of previous LER:

This event is non-repetitive.

Impact to other systems and/or Unit:

This event had no impact on any other Unit 1 system or on Unit 2.

Cause(s) of the event(s):

Due to the particular logic employed by the Hatch Diesel Generators, the combination of the following indicates inadequate and/or improper fuel supply to the engine: 1) starting air being applied, 2) the fuel rack moving to the full load position and 3) the engine not firing. A drain valve in the fuel line at a low point between the engine and the fuel day-tank was suspected of leaking, thus causing air to enter the fuel supply line. Had adequate time been allowed to drain the line using this valve, it is very likely that the engine would not have started since the engine driven fuel pump does not have the ability to draw fuel out of the day-tank and supply it to the engine in time to prevent a start failure trip.

Immediate Corrective Action:

A fuel sample was taken and analyzed and quality was verified. In the investigation that followed no conclusive reason was found for the engine's not starting. The engine was then manually primed and the third start attempt was successful. Several consecutive start attempts were then successfully completed. The "1A" diesel generator was satisfactorily functionally tested per HNP-1-3801 on 08/01/83.

Supplemental Corrective Action:

On 08/02/83, after the engine had been idle for approximately 24 hours, the fuel supply line downstream of the fuel filters was opened, the engine was overspeed tripped and barred over and an adequate fuel supply was verified. The fuel supply line was reconnected and the engine was satisfactorily functionally tested.

Scheduled (future) corrective action:

None required.

Action to prevent recurrence (if different from corrective actions):

None required.

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

USNRC REGION II
ATLANTA, GEORGIA

Georgia Power
83 SEP 1 48:08

Edwin I. Hatch Nuclear Plant

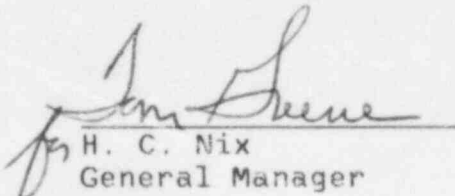
August 25, 1983
GM-83-848

PLANT E. I. HATCH
Licensee Event Report
Docket No. 50-321

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

ATTENTION: Mr. James P. O'Reilly

Attached is Licensee Event Report No. 50-321/1983-083. This report is required by Hatch Unit 1 Technical Specifications Section 6.9.1.9.b.


H. C. Nix
General Manager

HE
HCN/SBT/djs

xc: R. J. Kelly
G. F. Head
J. T. Beckham, Jr.
P. D. Rice
K. M. Gillespie
S. B. Tipps
R. D. Baker
Control Room
Document Control

OFFICIAL COPY

IE 22

111