

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 GAEIH1 200-000000-00 341111 4 5

CON'T  
01 REPORT SOURCE L 605000321 7042482 8050782 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 Starting on 4/24/82 with reactor at a power of 852 MWT, primary coolant  
03 conductivity and chlorides were found to be in excess of 10 umhos and  
04 .5 ppm respectively and pH was less than 5.2. This is a failure to meet  
05 T.S. 3.6.F.b and c. There were no effects on public health and safety.  
06 This is a non-repetitive event.  
07  
08

09 SYSTEM CODE ZZ 11 CAUSE CODE X 12 CAUSE SUBCODE X 13 COMPONENT CODE ZZZZZZ 14 COMP. SUBCODE X 15 VALVE SUBCODE Z 16  
17 LER/RO REPORT NUMBER 82 21 22 SLOUENTIAL REPORT NO. 028 24 26 OCCURRENCE CODE 01 28 29 REPORT TYPE T 30 REVISION NO. 0 32  
ACTION TAKEN X 18 FUTURE ACTION X 19 EFFECT ON PLANT A 20 SHUTDOWN METHOD A 21 HOURS 0672 37 40 ATTACHMENT SUBMITTED Y 23 NPSR-4 FORM SUB. N 24 PRIME COMP. SUPPLIER X 25 COMPONENT MANUFACTURER Z999 26 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 Cause of the event has been tentatively attributed to resin intrusion  
11 and other impurities in reactor coolant. Investigation is still  
12 underway to determine the exact cause and required corrective action. A  
13 detailed report and an updated LER will be submitted to the NRC before  
14 start up.

15 FACILITY STATUS X 28 % POWER 035 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION LABORATORY OBSERVATION 32  
16 ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY N/A 35 LOCATION OF RELEASE N/A 36  
17 PERSONNEL EXPOSURES NUMBER 000 37 TYPE Z 38 DESCRIPTION N/A 39  
18 PERSONNEL INJURIES NUMBER 000 40 DESCRIPTION N/A 41  
19 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION N/A 43

20 PUBLICITY ISSUED N 44 DESCRIPTION 8205210356 820507 PDR ADOCK 05000321 S PDR  
NAME OF PREPARER W.H. ROGERS HEALTH PHYSICS SUPERINTENDENT  
PHONE: (912) 367-7851

NRC USE ONLY

LER #50-321/1982-028  
LICENSEE: Georgia Power Company  
FACILITY NAME: Edwin I. Hatch  
DOCKET #50-321

NARRATIVE REPORT FOR  
LER #50-321/1982-028

On April 24, 1982, with the reactor in steady state power operation at 2435 MWTh, primary coolant conductivity, hotwell conductivity, and offgas and main steam line radiation monitor (MPL #D11 K603A-D) readings were found to be increasing. At 1430 CST, operations personnel began reducing power to determine the cause of increasing conductivity. At 1730 CST with the reactor reduced to 852 MWTh, reactor coolant conductivity was greater than 10 umhos/cm (deviation Report #1-82-64) and pH was less than 5.2 (Deviation report #1-82-66). Reduction of power was already in progress and the reactor was manually scrammed at 1930 CST. On 4-25-82 at 0130 CST conductivity and pH were 17.8 umhos/cm and 4.6 respectively. In addition at 0130 CST chloride was observed to be greater than .5 ppm (Deviation report #1-82-65) and at 0930 it reached a maximum value of 3 ppm. These values are contradictory to limits of T.S. Sect. 3.6.F.2.b of less than 10 umhos/cm for conductivity and .5 ppm for chlorides and T.S. Sect. 3.6.F.2.c of greater than 5.2 for pH. Reactor coolant conductivity reached a maximum of 21 umhos/cm on 4-26-82 at 0530. There were no effects or public health and safety due to this event. This is a non-repetitive event.

The cause of this event has been tentatively attributed to resin intrusion and other impurities in the reactor coolant. Investigation is still underway to determine the exact cause and required corrective action(s). Pending the results of this investigation, a comprehensive report and an updated LER will be submitted prior to start up.