U. S. NUCLEAR REGULATORY COMMISSION NRC FORM 366 (7.77) LICENSEE EVENT REPORT Update Report, Previous Report Date 7-3-80 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) 10) CONTROL BLOCK: 4 0 0 0 0 0 0 - 0 0 (3) 0 4 10 GA E II H 2 20 1 LICENSE LICENSEE CODE CON'T 61600014014 7 8 0 8 REPORT 8 0 0 31 0 1 1 (6) 0 5 0 0 SOURCE REPORT DATE DOCKET NUMBER EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10 on the ADSI in cold shutdown a leak rate test was performed unit 0 2 With the [valves' air supply accumulator check valves. The AE determined that the 03 leakage rates that were found were unacceptable and that a loss of air 04 Isupply could lead to ADS inoperability. Leakage rates for corresponding 0 5 This event caused no threat to public health 0 6 Unit 1 valves are unknown. or safety. This is a nonrepetitive event for these valves. 0 7 0 8 80 COMP VALVE CAUSE SUBCODE SYSTEM CAUSE SUBCODE COMPONENT CODE CODE CODE 10 105 A (16) VIE XI (14) 0 9 C (13) V A B (12) IF S 13 REVISION OCCURRENCE REFORT SEQUENTIAL CODE TYPE NO. REPORT NO. FEVENT YEAR LER/RO. 3 X 0 11 0 4 5 (17) REPORT 0 32 8 31 NUMBER 27 COMPONENT MANUFACTURER PRIME COMP. NPRD-4 ATTACHMENT SHUTDOWN ACTION FUTURE EFFECT ON PLANT (22) FORMSUB SUPPLIER HOURS F 18 A (19 N](24) R 13 4 4 A 25 (26 LY 23 00000 Z (21) Z (20) 40 36 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27 is believed to be heat damage from installation weldof this event 1 0 Cause These valves were to be replaced with soft-seated valves during 111 ling. the current refueling outage, however, parts are unavailable this at installation will be delayed until next refueling Procedoutage. I time, 1 3 this failure mode. Lures for both units have been revised to inform operators of 1 4 80 8 9 METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32) FACILITY (30) OTHER STATUS % POWER LC (31) Special Test G (28) 0 0 0 (29) NA 1 5 80 ACTIVITY CONTENT 13 LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY (35) RELEASED OF RELEASE Z 3 Z34 NA NA 1 6 80 10 11 PERSONNEL EXPOSURES 44 DESCRIPTION (39) NUMBER TYPE NA (37) 10 0 0 1 7 80 PERSONNEL INJURIES 13 14 DESCRIPTION (41) NUMBER NA 0 0 0 (40) 8 1 80 12 11 LOSS OF OR DAMAGE TO FACILITY (43) DESCRIPTION TYPE NA Z (42) 9 NRC USE ONLY 8102250 266 PUBLICITY DESCRIPTION (45) ESULD. [N](4) 0 RO Ł 68 69 512-367-7781 1 Congin Sunt Plt Fng

LER #: 50-366/1980-045, Rev. 3 Licensee: Georgia Power Company Facility Name: Edwin I. Hatch Docket #: 50-366

Narrative Report for LER 50-366/1980-045, Rev. 3

With the unit in cold shutdown a leak rate test was performed on the ADS valves' air supply accumulator check valves in response to IEB 80-01. Results of this test were transmitted to the AE for analysis. The AE determined that the leakage rates that were found were unacceptable and that a loss of air supply could lead to ADS inoperability. The procedure that dealt with the operator's response to an air supply low pressure alarm did not address this possibility.

These accumulator/check valve subsystems have no direct backup systems. The air supply to the ADS valves can be obtained from the nitrogen inerting system or the instrument air system.

An automatic interlock has been installed which will line up the supply line to nitrogen in the event of an instrument air failure. There is also a manual bypass line which can be used to supply nitrogen in the event of a failure of the automatic backup.

Both of these systems are seismic class I. No single failure mode exists which would result in a loss of air supply to the ADS valves. The accumulator check valves should never be needed to retain air supply pressure.

It is believed that this leakage was a result of heat damage to the valves which occurred during installation welding. Replacement valves with extremely small leakage rates prior to installation showed unacceptable leakage after welding. We were unable to obtain acceptable leakage rates for any of these valves. The AE has specified a soft-seated model with an O-ringed cap and longer nipples in order to alleviate the heat damage problem. These soft seated values are on order and were to be installed during the current refueling outage. There has been some degree of difficulty in obtaining the suitable valves. Although the order has been expedited, delivery will not be made until after Unit 2 is restarted. Replacement of these valves will be rescheduled for the next refueling outage. Leakage rates for the Unit 1 ADS air supply accumulator check valves is unknown at this time. Procedures for both units have been revised to call for declaration of ADS inoperability upon receipt of an air supply line low pressure alarm. This provides assurance that a possibly unsafe condition will be recognized and dealt with in a controlled manner. This is a nonrepetitive occurrence. This event posed no threat to public health or safety.