

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON

REPORT SOURCE

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|---------------|---|---|---|---|---|---|---|---|---|----|----|------------|---|---|---|---|----|----|-------------|---|---|---|--|----|
| L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 2 | 1 | 7 | 0 | 2 | 1 | 2 | 8 | 2 | 8 | 0 | 3 | 0 | 4 | 8 | 2 | 9 | | |
| 60 | 61 | DOCKET NUMBER | | | | | | | | | | 68 | 69 | EVENT DATE | | | | | 74 | 75 | REPORT DATE | | | | | 80 |

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On 2-12-82, following a Unit 1 scram the RCIC system was manually started to maintain Rx vessel level. Following RCIC initiation it was discovered that smoke was coming from the RCIC diag. The system was declared inop. to investigate the source of the smoke. Per Tech Spec Section 3.5.E.2 HPCI was operable. There were no effects upon public health and safety due to this non-repetitive event.

| | | | | | | | | | | | | | | | | | |
|--------------|--|----------------------|--|-----------------|--|-----------------------|--|-----------------|--|----------------------|--|------------------|--|----------------------|--|------------------------|--|
| 08 | | 78 | | 98 | | 80 | | | | | | | | | | | |
| SYSTEM CODE | | | | CAUSE CODE | | CAUSE SUBCODE | | COMPONENT CODE | | | | COMP. SUBCODE | | VALVE SUBCODE | | | |
| C E 11 | | | | E 12 | | B 13 | | P I P E X X 14 | | | | A 15 | | Z 16 | | | |
| 09 | | 78 | | 98 | | 80 | | 98 | | 80 | | 98 | | 80 | | | |
| 17 | | LER/RO REPORT NUMBER | | EVENT YEAR | | SEQUENTIAL REPORT NO. | | OCCURRENCE CODE | | REPORT TYPE | | REVISION NO. | | | | | |
| 82 | | 82 | | 011 | | 03 | | L | | 0 | | | | | | | |
| ACTION TAKEN | | FUTURE ACTION | | EFFECT ON PLANT | | SHUTDOWN METHOD | | HOURS | | ATTACHMENT SUBMITTED | | NPRD-4 FORM SUB. | | PRIME COMP. SUPPLIER | | COMPONENT MANUFACTURER | |
| B 18 | | Z 19 | | Z 20 | | Z 21 | | 000 | | Y 23 | | N 24 | | N 25 | | T 147 26 | |

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of the smoke was due to an oil leak from the 3/8" threaded pipe
1 1 leading to the turbine gov. end bearing leaking oil on the hot turbine
1 2 casing. The leak was a result of the pipe vibrating loose. The pipe
1 3 was tightened. The system was checked for leaks and proven operable
1 4 when the unit started up.

| | | | | | | | | | | | | | |
|-------------------------------|---|---------------------|----|---|--------------------|----|---------------------|----|-----------------------|---|----|--------------------|----|
| FACILITY STATUS | | % POWER | | | OTHER STATUS | | METHOD OF DISCOVERY | | DISCOVERY DESCRIPTION | | | | |
| 1 | 5 | G | 28 | 0 | 0 | 0 | 29 | NA | 30 | A | 31 | Visual Observation | 32 |
| ACTIVITY CONTENT | | RELEASED OF RELEASE | | | AMOUNT OF ACTIVITY | | LOCATION OF RELEASE | | | | | | |
| 1 | 6 | Z | 33 | 4 | 34 | NA | 35 | NA | 36 | | | | |
| PERSONNEL EXPOSURES | | NUMBER | | | TYPE | | DESCRIPTION | | | | | | |
| 1 | 7 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39 | | | | |
| PERSONNEL INJURIES | | NUMBER | | | DESCRIPTION | | | | | | | | |
| 1 | 8 | 0 | 0 | 0 | 40 | | 41 | NA | 42 | | | | |
| LOSS OF OR DAMAGE TO FACILITY | | TYPE | | | DESCRIPTION | | | | | | | | |
| 1 | 9 | Z | 42 | | 43 | NA | 44 | | 45 | | | | |
| PUBLICITY | | ISSUED | | | DESCRIPTION | | | | | | | | |
| 2 | 0 | N | 44 | | 45 | NA | 46 | | 47 | | | | |

NRC USE ONLY

LER #: 50-321/1982-11
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-321

Narrative Report
for LER 50-321/1982-11

On 2-12-82, following a Unit 1 reactor scram the RCIC system was manually initiated to maintain reactor vessel level per HNP-1-2001 ("Annunciator Response" procedure). Following RCIC initiation plant personnel discovered that smoke was coming from the RCIC diagonal and notified the control room. The system was declared inoperable to investigate the cause. Per Tech Spec 6.9.1.9.b (condition leading to a degraded mode of operation) this event was determined to be reportable. Per Tech Spec 3.5.E.2 the HPCI system was operable. There were no effects upon public health and safety due to this non-repetitive occurrence.

The cause of the smoke was due to a small oil leak on the RCIC lubrication system leaking onto the hot turbine casing. The leak was due to a 3/8" threaded pipe leading to the RCIC turbine governor end bearing being loose allowing the oil to leak past the threads. The rate of leaking oil was estimated at less than 1 oz. per 15 minute. Although there was no danger of a fire due to the oil leaking on the casing, (turbine oil ignites at 700⁰F and maximum reactor steam temperature is 575⁰F), the oil leak did constitute a concern. The pipe had loosened as a result of turbine vibration and was tightened following the event. The RCIC system was proven operable and checked for oil leaks on unit startup. The RCIC oil level and general RCIC condition (static) is checked once a day. Since the RCIC system does not use an Auxiliary Oil Pump, the hydraulic system is dynamically checked for oil leaks when RCIC is running per RCIC pump operability (HNP-3405). This is normally performed monthly or daily when HPCI is inoperable.