

## LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

0 1 G A E I H 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CON'T

0 1 REPORT SOURCE L G 0 5 0 0 0 0 3 2 1 7 0 1 3 1 7 9 8 0 2 0 9 7 9 9

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | At 2135 CST, while approaching criticality with a moderator temperature of 199.50F

03 | and with effectively zero Xenon inventory, a scram was received on IRM Hi-Hi Trip.

04 | This was the result of a criticality with a period of less than five seconds. The

05 | scram occurred at notch 26 of rod 42-15 which was the 39th rod to be withdrawn in the

06 | sequence. This is being reported under Tech Spec Section 6.9.1.2.a.4.c.

07 |

08 |

7 8 9 80

0 9  
7 8

SYSTEM CODE  
R B 11  
9 10

CAUSE CODE  
X 12  
11

CAUSE SUBCODE  
X 13  
12

COMP. SUBCODE  
15  
19

VALVE SUBCODE  
16  
20

COMPONENT CODE  
Z Z Z Z Z Z 14  
13 18

SEQUENTIAL REPORT NO.  
0 1 3 24 26

OCCURRENCE CODE  
0 1 28 29

REPORT TYPE  
T 30

REVISION NO.  
0 32

LER/RO REPORT NUMBER  
7 9 17  
21 22

ACTION TAKEN  
X 18 33

FUTURE ACTION  
Z 19 34

EFFECT ON PLANT  
C 20 35

SHUTDOWN METHOD  
C 21 36

HOURS  
0 0 1 5 22 37 40

ATTACHMENT SUBMITTED  
Y 23 41

NPRD-4 FORM SUB.  
N 24 42

PRIME COMP. SUPPLIER  
Z 25 43

COMPONENT MANUFACTURER  
Z 9 9 9 26 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Xenon inventory, moderator temperature and other conditions present during the start-  
1 1 up were favorable for a high rod worth near criticality. Reactor conditions were  
1 2 altered, i.e. moderator temperature was increased, and during the subsequent start-  
1 3 up the control rods near criticality were notched out until the reactor was criti-  
1 4 cal. Analysis on the probable cause is still being conducted and (continued)

| FACILITY STATUS |   | % POWER | OTHER STATUS | METHOD OF DISCOVERY | DISCOVERY DESCRIPTION |
|-----------------|---|---------|--------------|---------------------|-----------------------|
| 1               | 5 | C       | 28           | N/A                 | Operational event     |

ACTIVITY CONTENT  
RELEASED OF RELEASE

1 6 7 33 17 34

7 8 9 10 11

AMOUNT OF ACTIVITY (35)

N/A

44

LOCATION OF RELEASE (36)

N/A

45 80

| PERSONNEL EXPOSURE |   | TYPE |    | DESCRIPTION |
|--------------------|---|------|----|-------------|
| NUMBER             |   |      |    |             |
| 1                  | 7 | 0    | 0  | N/A         |
| 7                  | 8 | 9    | 11 | 13          |

| PERSONNEL INJURIES |   | NUMBER |   | DESCRIPTION |        |
|--------------------|---|--------|---|-------------|--------|
| 1                  | 2 | 0      | 0 | 0           | 41 N/A |

| 1 |  | 2 |  | 3 |  | 4 |  | 5 |  | 6 |  | 7 |  | 8 |  | 9 |  | 10 |  | 11 |  | 12 |  | 13 |  | 14 |  | 15 |  | 16 |  | 17 |  | 18 |  | 19 |  | 20 |  | 21 |  | 22 |  | 23 |  | 24 |  | 25 |  | 26 |  | 27 |  | 28 |  | 29 |  | 30 |  | 31 |  | 32 |  | 33 |  | 34 |  | 35 |  | 36 |  | 37 |  | 38 |  | 39 |  | 40 |  | 41 |  | 42 |  | 43 |  | 44 |  | 45 |  | 46 |  | 47 |  | 48 |  | 49 |  | 50 |  | 51 |  | 52 |  | 53 |  | 54 |  | 55 |  | 56 |  | 57 |  | 58 |  | 59 |  | 60 |  | 61 |  | 62 |  | 63 |  | 64 |  | 65 |  | 66 |  | 67 |  | 68 |  | 69 |  | 70 |  | 71 |  | 72   |  | 73 |  | 74 |  | 75 |  | 76 |  | 77 |  | 78 |  | 79 |  | 80 |  | 81 |  | 82 |  | 83 |  | 84 |  | 85 |  | 86 |  | 87 |  | 88 |  | 89 |  | 90 |  | 91 |  | 92 |  | 93 |  | 94 |  | 95 |  | 96 |  | 97 |  | 98 |  | 99 |  | 100 |  |
|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|------|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|----|--|-----|--|
| 1 |  | 2 |  | 3 |  | 4 |  | 5 |  | 6 |  | 7 |  | 8 |  | 9 |  | 10 |  | 11 |  | 12 |  | 13 |  | 14 |  | 15 |  | 16 |  | 17 |  | 18 |  | 19 |  | 20 |  | 21 |  | 22 |  | 23 |  | 24 |  | 25 |  | 26 |  | 27 |  | 28 |  | 29 |  | 30 |  | 31 |  | 32 |  | 33 |  | 34 |  | 35 |  | 36 |  | 37 |  | 38 |  | 39 |  | 40 |  | 41 |  | 42 |  | 43 |  | 44 |  | 45 |  | 46 |  | 47 |  | 48 |  | 49 |  | 50 |  | 51 |  | 52 |  | 53 |  | 54 |  | 55 |  | 56 |  | 57 |  | 58 |  | 59 |  | 60 |  | 61 |  | 62 |  | 63 |  | 64 |  | 65 |  | 66 |  | 67 |  | 68 |  | 69 |  | 70 |  | 71 |  | 72   |  | 73 |  | 74 |  | 75 |  | 76 |  | 77 |  | 78 |  | 79 |  | 80 |  | 81 |  | 82 |  | 83 |  | 84 |  | 85 |  | 86 |  | 87 |  | 88 |  | 89 |  | 90 |  | 91 |  | 92 |  | 93 |  | 94 |  | 95 |  | 96 |  | 97 |  | 98 |  | 99 |  | 100 |  |
| 1 |  | 2 |  | 3 |  | 4 |  | 5 |  | 6 |  | 7 |  | 8 |  | 9 |  | 10 |  | 11 |  | 12 |  | 13 |  | 14 |  | 15 |  | 16 |  | 17 |  | 18 |  | 19 |  | 20 |  | 21 |  | 22 |  | 23 |  | 24 |  | 25 |  | 26 |  | 27 |  | 28 |  | 29 |  | 30 |  | 31 |  | 32 |  | 33 |  | 34 |  | 35 |  | 36 |  | 37 |  | 38 |  | 39 |  | 40 |  | 41 |  | 42 |  | 43 |  | 44 |  | 45 |  | 46 |  | 47 |  | 48 |  | 49 |  | 50 |  | 51 |  | 52 |  | 53 |  | 54 |  | 55 |  | 56 |  | 57 |  | 58 |  | 59 |  | 60 |  | 61 |  | 62 |  | 63 |  | 64 |  | 65 |  | 66 |  | 67 |  | 68 |  | 69 |  | 70 |  | 71 |  | 72   |  | 73 |  | 74 |  | 75 |  | 76 |  | 77 |  | 78 |  | 79 |  | 80 |  | 81 |  | 82 |  | 83 |  | 84 |  | 85 |  | 86 |  | 87 |  | 88 |  | 89 |  | 90 |  | 91 |  | 92 |  | 93 |  | 94 |  | 95 |  | 96 |  | 97 |  | 98 |  | 99 |  | 100 |  |
| 1 |  | 2 |  | 3 |  | 4 |  | 5 |  | 6 |  | 7 |  | 8 |  | 9 |  | 10 |  | 11 |  | 12 |  | 13 |  | 14 |  | 15 |  | 16 |  | 17 |  | 18 |  | 19 |  | 20 |  | 21 |  | 22 |  | 23 |  | 24 |  | 25 |  | 26 |  | 27 |  | 28 |  | 29 |  | 30 |  | 31 |  | 32 |  | 33 |  | 34 |  | 35 |  | 36 |  | 37 |  | 38 |  | 39 |  | 40 |  | 41 |  | 42 |  | 43 |  | 44 |  | 45 |  | 46 |  | 47 |  | 48 |  | 49 |  | 50 |  | 51 |  | 52 |  | 53 |  | 54 |  | 55 |  | 56 |  | 57 |  | 58 |  | 59 |  | 60 |  | 61 |  | 62 |  | 63 |  | 64 |  | 65 |  | 66 |  | 67 |  | 68 |  | 69 |  | 70 |  | 71 |  | 72</ |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |    |  |     |  |

790215 0440  
 PUBLICITY  
 ISSUED DESCRIPTION (45)  
 2 0 N 44 N/A  
 7 8 9 10

NAME OF PREPARED: Tom Greene, Supt. Plt. Eng. Ser.

PHONE: 912-367-7781

NRC USE ONLY

790215 0440

Georgia Power Company  
Plant E. I. Hatch  
Baxley, Ga. 31513

Reportable Occurrence Report No. 50-321/1979-13

Cause Description and Corrective Actions continued:

notch mode will be employed for groups 3 and 4 until the analysis is complete.  
An update report will follow within 60 days.

## NARRATIVE SUMMARY

At 2135 CST, while approaching criticality with a moderator temperature of 199.5°F and with effectively zero Xenon inventory, a scram was received on IRM Hi-Hi Trip. This was the result of a criticality with a period of less than five seconds. The scram occurred at notch 26 of rod 42-15 which was the 39th rod to be withdrawn in the sequence. Xenon inventory, moderator temperature, and other conditions present during the startup were favorable for a high rod worth near criticality.

Reactor conditions were altered, i.e. moderator temperature was increased, and the control rods near the subsequent criticality were notched out until the reactor was critical. Analysis on the probable cause is still being conducted and notch mode will be employed during startup for groups 3 and 4 until the analysis is completed, at which time a final decision will be made. This is being reported under Tech. Spec. Section 6.9.1.z.a.4.c