

## LICENSEE EVENT REPORT

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

01 F I L I T I P S I 3 2 0 1 0 - 0 1 0 1 0 - 0 1 0 3 4 1 1 1 1 4 1 5

LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 37 CAT 38

CON'T

01 REPORT SOURCE X 6 1 0 5 1 0 1 0 1 2 1 5 1 0 7 1 1 1 0 1 1 7 9 3 1 1 1 1 5 1 7 9 9

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 The NSSS vendor has identified and corrected an input error in each of two

03 LOCA analyses specifically applicable to Turkey Point Units 3 and 4. The

04 LOCA analyses for the 22% and the 25% steam generator tube plugging levels

05 were affected. Correction of the error in the 22% analysis resulted in a

06 reduction of the maximum allowable  $F_q$  from 2.10 to 1.90. Both units have

07 less than 22% steam generator tube plugging.

03

09

SYSTEM CODE Z Z 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE Z Z Z Z Z 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16

9 10 11 12 13 18 19 20

17 LER/RO REPORT NUMBER 7 9 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

EVENT YEAR 21 22 SEQUENTIAL REPORT NO. 24 25 OCCURRENCE CODE 28 29 REPORT TYPE 30 31 REVISION NO. 32 COMPONENT MANUFACTURER 44 45

ACTION TAKEN X 18 19 FUTURE ACTION X 20 EFFECT ON PLANT Z 21 SHUTDOWN METHOD Z 22 HOURS 0 0 0 0 0 23 ATTACHMENT SUBMITTED Y 24 NPRO-4 FORM SUB. N 25 PRIME COMP. SUPPLIER Z 26 REVISION NO. 10 COMPONENT MANUFACTURER 7 9 9 9 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 Both units are now operating with a revised  $F_q$  limit, and a T.S. change

11 proposal will be formally submitted. Root cause and additional corrective

12 action are discussed in the attachment.

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FACILITY STATUS E 23 % POWER 1 0 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY D 31 DISCOVERY DESCRIPTION NSSS notification 32

9 10 11 12 13 44 45 46 47

ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36

9 10 11 12 44 45 46 47

PERSONNEL EXPOSURES NUMBER 0 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39

9 10 11 12 13 30

PERSONNEL INJURIES NUMBER 0 0 0 0 40 DESCRIPTION NA 41

9 10 11 12 30

LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43

9 10 30

PUBLICITY DESCRIPTION N 44 45

9 10 30

ISSUED N 46 47

9 10 30

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Additional Cause Description and Corrective Actions:

There are two methods which utilize pressure drops for input to SATAN computer code calculations. One is a standard technique and the other is used for steam generator tube plugging analyses when only the tube plugging input is changed. Since the 22% analysis involved an updated hot assembly flow area input to SATAN (unrelated to tube plugging), the first method should have been used. However, since the 22% analysis was a "tube plugging" analysis, the second method was inadvertently used.

With respect to the 25% analysis, a value for power in the hot assembly that was input to the SATAN calculation was 3% too low.

In order to assure that a similar error will not occur in the future, the following revisions to the NSSS vendor's procedures are being implemented.

- a. Automated cross checks of current input data with those of a previous analysis (or analysis for a similar plant) will be required (while it is now only recommended).
- b. Safeguards Engineering Standards dealing with SATAN pressure drops will be revised to include a cautionary statement about the impact of data changes on the methods used.
- c. A standard for steam generator tube plugging analysis will be written.

