

LICENSEE EVENT REPORT

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

01 V A N A S I 2 0 0 0 - 0 0 0 0 0 0 - 0 0 0 3 4 1 1 1 1 4 [ ] [ ] 5  
7 8 9 14 15 25 26 30 37 CAT 53

CON'T  
01 REPORT SOURCE L 6 0 5 0 0 0 3 3 8 7 1 0 1 0 7 8 8 1 1 0 1 1 7 8 9  
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During critical steady state operation, the axial flux difference deviated greater  
03 than + 5% from the target for an 8 minute duration. This was in violation of the  
04 +/- 5% limit as defined by T.S. 3.2.1. The AFD was returned to within the target band  
05 within the 15 minute allowance of the action statement. This event is reportable as  
06 per T.S. 6.9.1.9.b.

07 [ ]  
08 [ ]

09 SYSTEM CODE 2 10 CAUSE CODE 1 11 CAUSE SUBCODE Z 12 COMPONENT CODE Z Z Z Z Z Z Z 14 COMP. SUBCODE Z 15 VALVE SURCODE Z 16  
7 8 9 10 11 12 13 14 15 16 17 18 19 20

17 LER/RO REPORT NUMBER 718 21 EVENT YEAR 7 22 SEQUENTIAL REPORT NO. 105 24 OCCURRENCE CODE 03 28 REPORT TYPE L 30 REVISION NO. 0 32

ACTION TAKEN X 33 FUTURE ACTION Z 34 EFFECT ON PLANT Z 35 SHUTDOWN METHOD Z 21 HOUR\* 0000 40 ATTACHMENT SUBMITTED Y 41 NPRD-4 FORM SUB. N 42 PRIME COMP. SUPPLIER Z 43 COMPONENT MANUFACTURER Z 9 9 9 9 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause of the AFD deviation was a rapid load reduction necessitated by a problem  
11 with a condenser circulating water valve. Corrective action was to dilute by the  
12 operator which returned the AFD to within the target band. No further corrective  
13 action was required.

14 [ ]  
15 FACILITY STATUS F 28 % POWER 0 7 2 25 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Operator Observation 32  
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

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

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

18 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41  
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

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

20 PUBLICITY ISSUED DESCRIPTION N 44 NA 45  
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

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NRC USE ONLY

Description Of Event:

On 10-10-78, during the critical steady state operation, the Axial Flux Difference deviated greater than + 5% from the target for an 8 minute duration. This was in violation of the +/- 5% from target limit set by T.S. 3.2.1. The AFD deviation was returned to within the + 5% limit within the 15 minute allowance of the Action Statement of T.S. 3.2.1. This event is reportable under T.S. 6.9.1.9.b.

Probable Consequences of Occurrence:

Surveillance of the Axial Flux Difference assures that the limits of the heat flux hot channel factor are not exceeded during normal operation or in the event of Xenon redistribution following power changes. This provides protection against exceeding the DNBR and peak fuel clad temperatures.

Since the AFD was returned to its limit within the time allotted, there was no effect upon the safe operation of the plant. As a result, the public health and safety was not endangered.

Cause of Occurrence:

The cause of the occurrence was a rapid load reduction which was necessary due to a problem with a condenser circulating water valve. This drew the flux toward the middle of the core forcing the AFD out of its target band.

Immediate Corrective Action:

Corrective action was to dilute by the operator which forced the flux toward the bottom of the core. This decreased the AFD deviation to within the target band.

Scheduled Corrective Action:

Surveillance of the AFD continued until the plant was returned to full power and the AFD reached its normal range.

Actions Taken to Prevent Recurrence:

Since this event was a result of a rapid reduction because of a circulating water problem, and is an isolated instance, no further actions are required.