

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 6 1 (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 Miipicci 1 2 000000000000000 3 4 111111 4 5
7 8 9 14 15 25 26 30 57 CAT 58
 LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CON'T
01 1 1 6 01500003115 7 015111812 8 0152582 9
60 61 68 69 74 75 80
 REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 1 During review of a recent design change, it was discovered that the 1
03 2 adequacy of the piping arrangement external to the Containment Air 2
04 3 Sampling penetrations did not take into account the seismic affects 3
05 4 of concentrated masses (Padlocks/Chains) on the isolation valves 4
06 5 at these penetrations. The calculated values of the Padlocks/Chains 5
07 6 exceeded the allowable values of O.B.E. and D.B.E. design conditions. 6
08 7 8 9

09 Sid X Z PENEITR E Z
9 10 11 12 13 18 19 20
 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
17 182 1 027 1 01 1 0
21 22 23 24 26 27 28 29 30 31
 LER/RO REPORT NUMBER EVENT YEAR SHUTDOWN METHOD SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
XG Z Z 0000 Y N Z Z999
33 34 35 36 37 40 41 42 43 44 47
 ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 1 The Analysis revealed that the piping at the Containment Air Sampling 1
11 2 Penetrations was overstressed beyond the code allowable for O.B.E. and 2
12 3 D.B.E. conditions due to padlocks/chains added. Immediate corrective 3
13 4 action was initiated by removing the padlocks/chains and replacing 4
14 5 them with lightweight seals. (See Attached Supplement) 5
15 6 7 8 9

15 E 0000 NA C Egineering Review
7 8 9 10 12 13 44 45 46
 FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

16 Z Z NA NA
7 8 9 10 11 44 45
 ACTIVITY RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

17 0000 Z NA
7 8 9 11 12 13
 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

18 0000 NA
7 8 9 11 12
 PERSONNEL INJURIES NUMBER DESCRIPTION

19 Z NA
7 8 9 10
 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

20 N NA
7 8 9 10
 ISSUED DESCRIPTION
 PDR ADOCK 05000315
 S PDR

NAME OF PREPARER R. A. Palmer PHONE 616-465-5901

ATTACHMENT TO LER #82-027/01T-0

SUPPLEMENT TO CAUSE DESCRIPTION

THE ANALYSIS REVEALED THAT THE PIPING AT THE CONTAINMENT AIR SAMPLING PENETRATIONS WAS OVERSTRESSED BEYOND THE CODE ALLOWABLE FOR OPERATING BASIS EARTHQUAKE (O.B.E.) AND DESIGN BASIS EARTHQUAKE (D.B.E.) DESIGN CONDITIONS. THE OVERSTRESS WAS CAUSED BY THE ADDITIONAL MASS INTRODUCED BY MOUNTING THE PADLOCKS/CHAINS TO THE ISOLATION VALVES AT THESE PENETRATIONS. THE PADLOCKS/CHAINS WERE PREVIOUSLY INSTALLED DURING MARCH 1980 AS A CORRECTIVE MEASURE TO PREVENT MIS-ALIGNMENT OF THESE VALVES AND TO INSURE CONTAINMENT INTEGRITY.

IMMEDIATE CORRECTIVE ACTION WAS INITIATED BY REMOVING THE PADLOCKS/CHAINS AND REPLACING THEM WITH A LIGHTWEIGHT SEAL. THIS WAS PERFORMED AT PENETRATIONS CPN-92 AND 89. IN ADDITION AN INSPECTION, CONSISTING OF ALL SAMPLING AND INSTRUMENT PENETRATIONS, WAS PERFORMED AND NO OTHER METAL PADLOCKS WERE NOTED.

A REVIEW OF LICENSEE EVENT REPORTS DID NOT REVEAL ANY COMMITMENTS MADE TO A SPECIFIC LOCKING ARRANGEMENT OF THE VALVE AT THE SAMPLING AND INSTRUMENT PENETRATIONS. A PLANT CONDITION REPORT (1-2-80-80) DID INDICATE THIS METHOD OF LOCKING WITH A METAL PADLOCK TO ENSURE PROPER VALVE POSITION. A REVISED STATEMENT OF THE NEW METHOD OF SEALING THE VALVES HAS BEEN NOTED AND THE CONDITION REPORT FILE UPDATED.

THE SAMPLING PROCEDURE WAS MODIFIED TO INSURE THE SEALS ARE REPLACED ON THE CONTAINMENT ISOLATION VALVES AFTER SAMPLING IS COMPLETED. IN ADDITION, A PLANT MANAGER STANDING ORDER HAS BEEN ISSUED THAT RESTRICTS THE ADDITION OF SIGNIFICANT MASS TO CONTAINMENT ISOLATION VALVES ON SAMPLING OR INSTRUMENT LINES AT PENETRATIONS WITHOUT CONSIDERATION TO OPERATING BASIS EARTHQUAKE (O.B.E.) AND DESIGN BASIS EARTHQUAKE (D.B.E.) DESIGN CONDITIONS.