

PALISADES PLANT  
Docket 50-255

NRC FORM 366  
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 MIPAL 12 000-0000000-000341111145  
7 8 9 14 15 25 26 57 CAT 58

CONT

01 REPORT SOURCE L 6 050002557 0707838 0808839  
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal power operation on July 7, 1983, at 2114, a sample from T-82D  
03 ("D" Safety Injection Tank) showed the boron concentration to be below the  
04 TS limit of 1720 ppm. This event recurred on July 8, at 1907. In each  
05 occurrence, the boron concentration was promptly restored. Condition  
06 reportable per TS 3.3.1.b and 6.9.2.b(2). No threat to public health or  
07 safety resulted.

08

09 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE  
S F 11 E 12 B 13 A C C U M U 14 Z 15 Z 16  
7 8 9 10 11 12 13 18 19 20  
17 LER/RO REPORT NUMBER 18 3 21 22 23 24 25 26 27 28 29 30 31 32 REVISION NO.  
0 3 0 5 0 0 3 0 3 L 0  
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NRC-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER  
X 18 X 19 Z 20 Z 21 0 0 0 0 N 23 N 24 N 25 N 1 5 0 26  
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Boron dilution due to minor leakage past loop check valve and SIT check  
11 valve or fill and drain valve. Primary coolant leak rate is being closely  
12 monitored. Valves will be inspected during next refueling outage.  
13  
14

15

16 FACILITY STATUS % POWER OTHER STATUS (30) METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)  
E 28 1 0 0 29 NA B 31 Tank Sample  
7 8 9 10 11 12 13 44 45 46 80  
17 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)  
Z 33 Z 34 NA NA  
7 8 9 10 11 44 45 80

18 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)  
0 0 0 37 Z 38 NA  
7 8 9 10 11 12 13 80

19 PERSONNEL INJURIES NUMBER DESCRIPTION (41)  
0 0 0 40 NA  
7 8 9 10 11 12 80

20 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43)  
Z 42 NA  
7 8 9 10 80

21 PUBLICITY ISSUED DESCRIPTION (45)  
N 44 NA  
7 8 9 10 80

NRC USE ONLY

8308180328 830808  
PDR ADOCK 05000255  
S PDR



Consumers  
Power  
Company

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0550

August 8, 1983

James G Keppler, Administrator  
Region III  
US Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

DOCKET 50-255 - LICENSE DPR-20 -  
PALISADES PLANT - LICENSEE EVENT REPORT 83-50 - "D" SAFETY INJECTION TANK  
LOW BORON CONCENTRATION

On the reverse please find Licensee Event Report 33-50 ("D" Safety Injection  
Tank Low Boron Concentration), which is reportable to the NRC per Technical  
Specification 6.9.2.b(2).

Brian D Johnson  
Staff Licensing Engineer

CC Director, Office of Nuclear Reactor Regulation  
Director, Office of Inspection and Enforcement  
NRC Resident Inspector - Palisades