

LICENSEE EVENT REPORT

CONTROL BLOCK:

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 (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 M I P A L 1 2 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 38

LICENSEE CODE LICENSE NUMBER LICENSE TYPE

CON'T

0	1
7	8

REPORT SOURCE

L	6	0	5	0	0	0	2	5	5	7	1	0	2	3	8	2	8	1	1	0	8	8	2	9
60	61									68	69					74		75						80
DOCKET NUMBER											EVENT DATE						REPORT DATE							

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal power operation, T-82B ("B" Safety Injection Tank) level
03 reached the T/S limit of 198 inches. T-82B sample showed boron concentra-
04 tion below T/S limit of 1720 ppm. Tank level was promptly restored, but
05 boron concentration could not be restored within the 1 hour time limit.
06 Event occurred again on 10-25-82. Condition reportable per TS 3.3.1.b and
07 6.9.2.a(2).

[illegible]

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Level increase due to minor leakage past loop check valve and SIT check
1 1 valve or fill-and-drain valve. Loss of SIT level indication is compounding
1 2 the problem. Primary coolant leak rate is being closely monitored. Valves
1 3 will be inspected during next refueling outage. Level transmitter failure
1 4 to be investigated during next extended shutdown.

FACILITY STATUS										% POWER										OTHER STATUS										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION									
1 5 E 78										1 0 0 29										NA										A 31										Alarm annunciator 32									
ACTIVITY CONTENT										RELEASED OF RELEASE										AMOUNT OF ACTIVITY										LOCATION OF RELEASE																			
1 6 Z 33										Z 34										NA										NA 36																			
PERSONNEL EXPOSURES										NUMBER										TYPE										DESCRIPTION																			
1 7 0 0 0 37										Z 38										NA 39																													
PERSONNEL INJURIES										NUMBER										DESCRIPTION																													
1 8 0 0 0 40										NA 41																																							
LOSS OF OR DAMAGE TO FACILITY										TYPE										DESCRIPTION																													
1 9 Z 42										NA 43																																							
PUBLICITY										ISSUED										DESCRIPTION										NRC USE ONLY																			
2 0 N 44										NA 45										NA																													

Attachment to LER 82-036
Consumers Power Company
Palisades Plant
Docket 50-255

As reported in LER 82-029 and 82-033, Palisades has been experiencing minor leakage (within Technical Specification limits) into T-82B (B Safety Injection Tank). The leakage is past loop check valve 3116 and either the tank check valve 3117 or the fill and drain valve CV-3043. While this leakage would not normally result in a significant problem or a reportable event, the problem has been compounded by a failure of the Safety Injection Tank (SIT) level indicating system. Consequently, the operators have had to rely on the high and low level switch alarms for level indication. Each time one of the alarms is received, a Limiting Condition for Operation (LCO) is entered. Specifically, the SIT must be declared inoperable until the level and boron concentration are re-established within the limits of TS 3.3.1.b; therefore, the LCO of TS 3.3.2.a is entered.

On October 23, 1982 at 2249, a high level alarm was received on T-82B. A sample from T-82B at 0116 on October 24 showed boron concentration to be 1681 ppm. While T-82B level was promptly restored to the normal operating level, boron concentration could not be restored until 0410 on October 24. Consequently, T-82B was inoperable for more than the one hour permitted by Technical Specification 3.3.2.a. The situation reoccurred on October 25. T-82B level was again promptly restored within the one hour limit.

Inspection and repair of check valve 3116 is currently scheduled for the next refueling outage. Additional monitoring will be performed to determine which other valves are leaking and necessary repairs will also be made during the next refueling outage.

We speculate that the problem with the T-82B level system appears to be related to temperature effects on the transmitter reference log. Repair of this system during plant operation is precluded because of the high radiation field. Therefore, additional testing will be performed to isolate and correct the problem during the next extended shutdown.