

PALISADES PLANT
Docket 50-255

NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 MIPAL 12 000-000000-0003 411111 45
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T
01 REPORT SOURCE L6 05000255 70 711983 80802839
7 8 60 61 DOCKET NUMBER 66 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal power operation, a sample from T-82D ("D" Safety Injection
03 Tank) showed the boron concentration to be below the TS limit of 1720 ppm.
04 The boron concentration could not be restored within the one hour require-
05 ment of TS 3.3.2.a. Condition reportable per TS 6.9.2.a(2). No threat to
06 public health or safety resulted.

09 SYSTEM CODE S F 11 CAUSE CODE E 12 CAUSE SUBCODE B 13 COMPONENT CODE A C C U M U 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16
7 8 9 10 11 12 13 14 15 16
17 LER/RO REPORT NUMBER 83 21 22 048 24 26 01 28 29 T 30 31 0 32
ACTION TAKEN X 18 FUTURE ACTION X 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0000 37 40 ATTACHMENT SUBMITTED Y 23 NPD-4 FORM SUB. N 24 PRIME COMP SUPPLIER N 25 COMPONENT MANUFACTURER N 1150 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.

15 FACILITY STATUS E 28 % POWER 089 29 OTHER STATUS NA 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Tank Sample 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 RELEASED OF RELEASE Z 33 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 000 37 TYPE 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 000 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 N 44 DESCRIPTION NA 45 NRC USE ONLY

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PDR ADOCK 05000255
S PDR

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Consumers
Power
Company

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

August 2, 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 83-48 - "D" SAFETY INJECTION TANK LOW
BORON CONCENTRATION

On the reverse please find Licensee Event Report 83-48 ("D" Safety Injection
Tank Low Boron Concentration), which is reportable to the NRC per Technical
Specification 6.9.2.a(2).

David J Vandewalle
Nuclear Licensing Administrator

CC Administrator, Region III, USNRC
NRC Resident Inspector - Palisades

Attachment

AUG 05 1983

IE22
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Attachment to LER 83-048
Consumers Power Company
Palisades Plant
Docket 50-255

At 2001 on July 19, 1983, a sample from T-82D (D Safety Injection Tank) showed boron concentration to be 1718 ppm. Since the boron concentration was less than the 1720 ppm Technical Specifications limit, T-82D was declared inoperable. The tank was subsequently drained and refilled from the Safety Injection Refueling Water (SIRW) tank to restore the boron concentration. After several drain and fill evolutions, boron concentration was restored to 1730 ppm at 2210, July 19, 1983. The one hour requirement of TS 3.3.2.a was exceeded by approximately 69 minutes.

The decrease in T-82D boron concentration has been attributed to minor PCS leakage (within Technical Specifications limits) into the tank. This leakage is past loop check valve 3146 and either the tank check valve 3147 or the fill and drain valve CV-3003.

Inspection and repair of check valve 3146 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.