

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 _____ 6 1 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 I L D R S 1 2 0 0 - 0 0 0 0 0 0 - 0 0 0 3 4 1 1 1 1 4 5
8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T 0 1 REPORT SOURCE L 6 0 5 0 0 0 0 1 0 7 1 0 2 3 7 7 8 1 1 2 3 7 7 9
8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 During normal operations of U-1 Radwaste, U-1 neutralizer was being pumped to B SSG
0 3 waste collector. Valves V3 and V45 leaked 7000 gal of H2O to empty C holdup
0 4 tank. Worn gasket on a manhead allowed approx 12 gal of H2O contain-
0 5 ing 2.5 E-4 Ci to leak to ground. Some leakage was collected and returned to U-1
0 6 neutralizer. No leakage reached uncontrolled areas. Leakage into controlled areas
0 7 was cleaned. The event posed no threat to public safety. Minor spills occurred
0 8 previously 50-010/76-1 and 50-010/77-1.
7 8 9 80

0 9 M A 11 E 12 B 13 V A L V E X 14 C 15 D 16
7 8 9 10 11 12 13 18 19 20
17 LER/RO REPORT NUMBER 18 EVENT YEAR 19 SEQUENTIAL REPORT NO. 20 OCCURRENCE CODE 21 REPORT TYPE 22 REVISION NO.
21 22 23 24 26 27 28 29 30 31 32
ACTION TAKEN 23 FUTURE ACTION 24 EFFECT ON PLANT 25 SHUTDOWN METHOD 26 HOURS 27 ATTACHMENT SUBMITTED 28 NPRD-4 FORM SUB. 29 PRIME COMP. SUPPLIER 30 COMPONENT MANUFACTURER
33 B 34 Z 35 Z 36 Z 37 0 0 0 0 0 38 Y 39 N 40 N 41 P 42 O 43 3 44 4 45 26

CAUSE-DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 Valve seats in valves V3 and V45 were scratched, causing leakage to C holdup tank
1 1 above the lower manhead. The valves seats were lapped. The manhead gasket was re-
1 2 placed and the hatch tightened.
1 3
1 4

5 Z 28 Z Z Z 29 NA 30 A 31 Operator Observation 32
8 9 10 12 13 44 45 46 80
6 L 33 P 34 2.5 x 10⁻⁴ Curies 35 GROUND ADJACENT TO "C" HOLDUP TANK 36
8 9 10 11 44 45 80

7 0 0 0 37 Z 38 NA 39
8 9 11 12 13 80

8 0 0 0 40 NA 41
9 11 12 13 80

2 42 NA 43
9 11 12 13 80

44 NA 45
9 11 12 13 80

8009290531

ATTACHMENT TO LICENSEE EVENT REPORT 77-041/03L-0
COMMONWEALTH EDISON COMPANY (CWE)
DRESDEN UNIT 1 (ILDRS-1)
DOCKET # 050-010

Unit 1 neutralizer was being pumped to B-SSG waste collector at 0035 on 10/23/77. At the same time B-SSG waste collector was being pumped to Unit 2/3 radwaste B-neutralizer. At 0250 the operator discovered water leaking from the lower manhead of C- holdup tank onto the ground. The release area was posted and covered. Samples were taken for isotopic analysis. Valve V-3 and V-45 had leaked because of scratched valve seats, allowing approximately 7000 gallons of water to enter C - holdup tank. This was determined from the increase in tank level. The level was raised to six inches above the lower manhead. A worn gasket on the manhead permitted water to leak to the ground. A bucket was placed under the leak and leakage rate was determined to be approximately 1/8 gallon per minute. Using the distance of the bottom of the manhead to the final fluid level and assuming the tank was filled at a constant rate, it was determined that the tank had been leaking for approximately 96 minutes. Therefore, the water which was released amounted to approximately 12 gallons. The activity of the water was found to be 5.5 pCi/L.

Thus, the total release amounted to 2.5×10^{-4} Ci. The water in C - holdup tank was pumped to Unit 2/3 radwaste B-neutralizer. The water collected by bucket was returned to Unit 1 neutralizer. The release was contained in a controlled area and no water was released to the river. The valve seats were repaired and the manhead gasket was replaced. Safety significance of this event was minimal because of the small amount of the release.

Previous occurrences were reported under R.O. #50-010/1976-1 and 50-010/1977-1.

50-10

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO: Mr. James G. Keppler

FROM: Commonwealth Edison Company
Morris, Illinois
B. B. Stephenson

DATE OF DOCUMENT

11/23/77

DATE RECEIVED

12/09/77

LETTER
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1 signed

DESCRIPTION

PLANT NAME: Dresden Unit No. 1
RJL 12/09/77 (1-P)

ENCLOSURE
Licensee Event Report (RO 50-010/77-041/-03L-0) on 10/23/77 concerning valve seats in valves V3 & V45 being scratched, causing leakage to C holdup tank above the lower manhead.....

(1-P)+(1-P)

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS
INCL

FOR ACTION/INFORMATION

BRANCH CHIEF: (4)
~~WORKS FOR ACTION~~
LIC ASST:

DAVIS

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- KREGER/J. COLLINS
- POSA
- L. CRICKER*

EXTERNAL DISTRIBUTION

CONTROL NUMBER

773430042

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