

LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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 51 52 53 54 55 56 57 58 59 60

0 1 I A D A C 1 2 0 0 - 0 0 0 0 0 0 - 0 0 0 3 4 1 1 1 1 1 1 4 5

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CON'T

REPORT SOURCE L 6 0 5 0 0 3 3 1 7 0 3 2 4 8 1 3 0 4 2 3 8 2 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During scheduled leak rate testing MSIVs 4412, 4413, 4416, 4419, 4420, a
0 3 | nd 4421 were found to have seat leakage on the inboard and combined seat
0 4 | and stem leakage on the outboard valves in excess of the 11.5 SCFH limit
0 5 | specified in T.S. 4.7.A.2.c.3. In addition, the total allowable leakage
0 6 | for Type B and C tests specified in T.S. 4.7.A.2.c.2 was exceeded. Detai
0 7 | led leakage rate test results in Unique Report 81-04. Reactor was shutdo
0 8 | wn for refueling. Two prev. similar occurrences. (R.O. 80-04 and 76-17).

| | | | | | | | | | | | |
|-------------------------|--|---|--|---------------------------------------|--|------------------------------------|--|------------------------------|--|------------------------------|--|
| SYSTEM CODE C D 11 | | CAUSE CODE E 12 | | CAUSE SUBCODE B 13 | | COMPONENT CODE V A L L V E X 14 | | COMP SUBCODE E 15 | | VALVE SUBCODE X 16 | |
| EVENT YEAR 8 1 21 22 | | SEQUENTIAL REPORT NO. 0 1 3 24 25 26 | | OCCURRENCE CODE 0 1 28 29 | | REPORT TYPE T 30 | | REVISION NO. 1 32 | | | |
| ACTION TAKEN B 18 | | FUTURE ACTION Z 19 | | EFFECT ON PLANT Z 20 | | SHUTDOWN METHOD Z 21 | | HOURS 0 0 0 0 22 23 24 25 | | ATTACHMENT SUBMITTED Y 26 | |
| NPRO-4 FORM 508 N 24 | | PRIME COMP. SUPPLIER N 25 | | COMPONENT MANUFACTURER R 3 4 10 26 | | | | | | | |

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Leakage attributed to normal wear. All valves were repaired as necessary

11 . All were lapped and repacked. Four stems were replaced, three discs we

12 re replaced and two seats were machined. Valves are Rockwell Manufacturi

13 ng 20 inch pneumatically operated MSIVs rated at 1250 PSI and 575 degree

14 s. Valves were all retested and found satisfactory.

7 8 9 FACILITY STATUS 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 OTHER STATUS 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00

1 5 4 28 0 0 0 29 NA 30 31 32 Surveillance Test

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 Z (33) NA (34) 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

| PERSONNEL EXPOSURES | | | | | | | | | |
|---------------------|---|---|------|---|-------------|---|----|----|----|
| NUMBER | | | TYPE | | DESCRIPTION | | | | |
| 1 | 7 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39 |

| PERSONNEL INJURIES | |
|--------------------|-------------|
| NUMBER | DESCRIPTION |
| 1 4 | 0 0 0 40 NA |

| 8 | | 9 | | 11 | | 12 | | | |
|---|---|-------------------------------|------|------|--|-------------|--|------|--|
| | | LOSS OF OR DAMAGE TO FACILITY | | TYPE | | DESCRIPTION | | (43) | |
| 1 | 9 | Z | (42) | NA | | | | | |

7 8 9 10
PUBLICITY
ISSUED DESCRIPTION (45) NRC USE ONLY
2 0 IN (44) NA

204800368 NAME OF PREPARER Kimuel L. Hill PHONE: 319-851-5611

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

Licensee Event Report - Supplemental Data

Docket No. 050-0331

Licensee Event Update Report Date: 4-23-82

Reportable Occurrence No: 81-013 Update

Event Description:

During the performance of scheduled leak rate testing, inboard MSIV's 4412 and 4420 were found to have seat leakage, and outboard MSIV's 4413, 4419, 4416 and 4421 were found to have combined seat and packing leakage in excess of 11.5 SCFH limit specified in Technical Specification 4.7.A.2.c.3. In addition, because of outboard MSIV packing leakage and other type C valve leakage, the total allowable leakage for type B and C leak rate tests specified in Technical Specifications Section 4.7.A.2.c.2 was exceeded. The results of the leakage testing were detailed in Unique Report 81-04 submitted in accordance with the requirements of Technical Specification 4.7.A.2.f. There have been two previous similar occurrences. (R.O. 80-04 and 76-17).

Cause Description:

The leakage was attributed to normal wear.

Corrective Action:

Valves are Rockwell Manufacturing 20 inch pneumatically operated MSIVs rated at 1250 PSI and 575 degrees. All valves were repaired as necessary. Seat faces were machined on MSIVs 4412 and 4413. Discs were replaced in MSIVs 4413, 4419, and 4420. Stems were replaced in MSIVs 4416, 4419, 4420 and 4421. All six valves were repacked and all seats were lapped. All six valves were retested and found satisfactory.