

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 VAN SICKEL, J. Iowa Electric Light & Power Co.
 RECIP. NAME RECIPIENT AFFILIATION
 Region 3, Chicago, Office of the Director

SUBJECT: LER 80-004/01T-1: on 800214, during scheduled leak rate testing, MSIVs 4412, 4413, 4416 & 4418-4421 found w/leakage in excess of Tech Specs. Packing leakage result of stem galling caused by lantern ring & junk ring interference

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NOTES: -----

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	09 I&E	2	2	11 MPA	3	3
	14 TA/EDO	1	1	15 NOVAK/KNIEL	1	1
	16 EEB	1	1	17 AD FOR ENGR	1	1
	18 PLANT SYS BR	1	1	19 I&C SYS BR	1	1
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	JORDAN, E./IE	1	1			
EXTERNAL:	03 LPDR	1	1	04 NSIC	1	1
	29 ACRS	16	16			

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SENSEE EVENT REPORT

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

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

CON'T REPORT SOURCE 60 L 6 0 1 5 0 0 0 3 3 1 7 0 2 1 4 8 0 9 0 3 1 1 1 8 0 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
02 During scheduled leak rate testing, MSIV's 4412, 4413, 4416, 4418, 4419,
03 4420 and 4421 were found to have seat leakage on the inboard and combine
04 d seat and stem leakage on the outboard valves in excess of the 11.5 SCF
05 H limit specified in T.S.4.7.A.2.c.3. In addition, because of the outboa
06 rd valve stem leakage, the total allowable leakage for Type B and C test
07 s specified in T.S.4.7.A.2.c.2 was exceeded. Reactor currently shutdown
08 for refueling. MSIV maintenance in progress. Repetitive (See R0 76-17)

09 SYSTEM CODE 9 C D 11 CAUSE CODE 11 E 12 CAUSE SUBCODE 12 B 13 COMPONENT CODE 13 V A L L V E X 14 COMP. SUBCODE 19 E 15 VALVE SUBCODE 20 X 16

17 LEI/RO REPORT NUMBER 21 8 0 EVENT YEAR 22 8 0 SEQUENTIAL REPORT NO. 24 0 0 4 OCCURRENCE CODE 28 0 1 1 REPORT TYPE 30 T REVISION NO. 32 1

ACTION TAKEN 33 A 18 FUTURE ACTION 34 F 19 EFFECT ON PLANT 35 Z 20 SHUTDOWN METHOD 36 Z 21 HOURS 37 0 0 0 0 ATTACHMENT SUBMITTED 41 Y 23 NPRO-4 FORM SUB. 42 N 24 PRIME COMP. SUPPLIER 43 N 25 COMPONENT MANUFACTURER 47 R 1 3 4 1 0 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
10 The cause of the valve seat leakage is indeterminate. Packing leakage wa
11 s the result of stem galling caused by lantern ring and junk ring interf
12 ference. Lantern rings to be removed, stems replaced as required, junk ri
13 ngs reworked as required and the packing replaced. The stellite valve sea
14 ts will be lapped as required. Valves are Rockwell 20 inch MSIV's

15 FACILITY STATUS 7 H 28 % POWER 10 0 0 0 0 29 OTHER STATUS 30 NA METHOD OF DISCOVERY 45 B 31 DISCOVERY DESCRIPTION 32 Surveillance Test

16 ACTIVITY CONTENT 7 Z 33 RELEASED OF RELEASE 10 Z 34 AMOUNT OF ACTIVITY 35 NA LOCATION OF RELEASE 36 NA

17 PERSONNEL EXPOSURES 7 0 0 0 0 37 TYPE 11 Z 38 DESCRIPTION 39 NA

18 PERSONNEL INJURIES 7 0 0 0 0 40 DESCRIPTION 41 NA

19 LOSS OF OR DAMAGE TO FACILITY 7 7 42 TYPE 10 NA DESCRIPTION 43

20 PUBLICITY 7 N 44 ISSUED 10 NA DESCRIPTION 45

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8003170495

01-026

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: 03-11-80

Reportable Occurrence No:

Event Description:

During the performance of scheduled leak rate testing, inboard MSIV's 4412, 4418 and 4420 were found to have seat leakage and outboard MSIV's 4413, 4416, 4419 and 4421 were found to have combined seat and packing leakage in excess of 11.5 SCFH limit specified in Technical Specification Section 4.7.A.2.c.3. In addition, because of the outboard MSIV packing leakage, the total allowable leakage for Type B and Type C leak rate tests specified in Technical Specifications Section 4.7.A.2.c.2 was exceeded. Leakage testing is continuing. The results of this testing will be detailed in a summary report which will be submitted in accordance with the requirements of Technical Specifications Section 4.7.A.2.f.

Cause Description

The cause of the valve seat leakage is indeterminate. The packing leakage has been determined to be the result of stem galling caused by lantern ring and junk ring interference. The valves are Rockwell Manufacturing 20 inch pneumatically operated main steam isolation valves.

Corrective Action

Current plans are to remove the lantern rings, replace the valve stems as necessary, rework junk rings as required and replace the valve packing as needed on each MSIV. The stellite valve seats will be lapped as required.