

LICENSEE EVENT REPORT

CONTROL BLOCK: [] [] [] [] [] [] [] [] [] [] (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | I | L | D | R | S | 2 | (2) | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | (3) | 4 | 1 | 1 | 1 | 1 | (4) | [] [] [] [] [] [] [] [] (5)

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | While shutdown with an ASME hydrostatic test in progress, water was observed seeping
0 3 | from cracks in the 2.5 inch Rx head spray line. This was of minimal significance,
0 4 | since all leakage was contained in the drywell and severance of the line, located
0 5 | above the reactor core, is within the capability of the ECCS System. There was no
0 6 | effect on public health or safety. This was the first occurrence of this type.
0 7 |
0 8 |

0 9 | SYSTEM CODE [C | J | J | (11)] CAUSE CODE [E | (12)] CAUSE SUBCODE [C | (13)] COMPONENT CODE [P | I | P | E | X | X | (14)] COMP. SUBCODE [A | (15)] VALVE SUBCODE [Z | (16)]

(17) LER/RO REPORT NUMBER [8 | 1 | (21)] EVENT YEAR [8 | 1 | (22)] SHUTDOWN METHOD [Z | (21)] SEQUENTIAL REPORT NO. [0 | 2 | 0 | (24)] HOURS [0 | 0 | 0 | 0 | (22)] ATTACHMENT SUBMITTED [Y | (23)] NPRO-4 FORM SUB. [N | (24)] PRIME COMP. SUPPLIER [N | (25)] COMPONENT MANUFACTURER [X | 9 | 9 | 9 | (26)]

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Cause of the cracking is unknown at this time, but a metallurgical analysis will be
1 1 | performed and a supplemental report will be issued. The cracks are being cut out and
1 2 | approximately 100 inches of piping is being replaced with GR TP 304 stainless pipe
1 3 | with a maximum of .025 percent carbon.
1 4 |

1 5 | FACILITY STATUS [H | (28)] % POWER [0 | 0 | 0 | (29)] OTHER STATUS [N/A | (30)] METHOD OF DISCOVERY [B | (31)] DISCOVERY DESCRIPTION [Personnel Observation | (32)]

1 6 | ACTIVITY CONTENT RELEASED OF RELEASE [Z | (33)] AMOUNT OF ACTIVITY [Z | (34)] LOCATION OF RELEASE [N/A | (36)]

1 7 | PERSONNEL EXPOSURES NUMBER [0 | 0 | 0 | (37)] TYPE [Z | (38)] DESCRIPTION [N/A | (39)]

1 8 | PERSONNEL INJURIES NUMBER [0 | 0 | 0 | (40)] DESCRIPTION [N/A | (41)]

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE [Z | (42)] DESCRIPTION [N/A | (43)]

2 0 | PUBLICITY ISSUED DESCRIPTION [N | (44)] DESCRIPTION [N/A | (45)]

NAME OF PREPARER G. Gates PHONE: 942-2920 Ext. 548

81051402 35

ATTACHMENT TO LICENSEE EVENT REPORT 18-20/01T-0
COMMONWEALTH EDISON COMPANY (CWE)
DRESDEN UNIT 2 (ILDRS-2)
DOCKET #50-237

During the current refueling outage, while conducting an ASME Class I Primary System Hydrostatic Test, workers discovered water seeping from a crack in the Reactor Head Spray Line Number 2-0304-2½". The crack occurred approximately 2 feet above the fourth elevation in the drywell (576' 7"), and was located several pipe diameters from the nearest weld. The existing piping material is Gr TP 304 stainless steel seamless pipe with a .203 inch wall thickness. Radiographs of the area showed the crack to run longitudinally in the pipe, a distance of approximately 1 inch. All leakage was contained inside the drywell and directed to the Drywell Floor Drain System.

Subsequently, the crack was cut out and approximately 29 inches of pipe replaced with Gr TP 304 stainless steel with a maximum of .025 percent carbon.

During the repair hydrostatic test, an additional crack was discovered approximately 2 feet below the first crack. At this point, the head spray line was blank flanged off and the line pressurized to approximately 1560 psi. No further leakage was detected.

Consequently approximately 100 inches of pipe was replaced with the same type used in the first repair to remove the second crack. This 100 inches of pipe included the previous replaced 29 inches of pipe to minimize the number of welds required for the total repair.

Calculations showed that a complete severance of a 2½ inch line like this would be well within the capabilities of the ECCS systems and hence leakage of this magnitude is of minimum safety significance.

No further action is deemed necessary at this time.



Commonwealth Edison

DEVIATION REPORT

DVR NO.	STA	UNIT	YEAR	NO.
D-12	-	2	81	35

PART 1 TITLE OF DEVIATION	OCCURRED
Head Spray Line Through-Wall Pipe Failure	4/26/81 1500
	DATE TIME

SYSTEM AFFECTED 300 Head Spray (CRD)	PLANT CONDITIONS S/D	MODE	PWR(MWT) 0	LOAD(MWE) 0	TESTING <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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DESCRIPTION OF EVENT
During an ASME Hydrostatic Pressure Test of the Primary System Boundary, a through-wall pipe failure was found in the Head Spray Line (2-0304-2½A) inside the Primary Containment.

DESCRIPTION OF CAUSE
Unknown

OTHER APPLICABLE INFORMATION
Rx Press about 1124#; Rx water temp. about 190°F.

EQUIPMENT FAILURE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	DR NO. N/A	WR NO. D13038	John W. Wujciga	4/26/81
			RESPONSIBLE SUPERVISOR	DATE

PART 2 OPERATING ENGINEERS COMMENTS
The leakage was minimal and was contained in the D/W. Repairs will be performed to the applicable codes during the current refueling outage.

TYPE OF DEVIATION REPORTABLE OCCURRENCE	EVENT OF POTENTIAL PUBLIC INTEREST	TECH SPEC VIOLATION	NON-REPORTABLE OCCURRENCE	ANNUAL REPORTING	SAFETY-RELATED WR ISSUED
<input checked="" type="checkbox"/> 14 DAY <input type="checkbox"/> 10CFR21 <input type="checkbox"/> 30 DAY NOTIFICATION 6.6.3.1.C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

REPORTABLE OCCURRENCE NUMBER	ACTION ITEM NO.	PROMPT ON-SITE NOTIFICATION	DATE	TIME
81-20/01T-0		R. M. Ragan	4/26/81	2130 hrs
		TITLE	DATE	TIME
		TITLE	DATE	TIME

24-HOUR NRC NOTIFICATION	PROMPT OFF-SITE NOTIFICATION
<input checked="" type="checkbox"/> TPH T. Tongue 4/27/81 0730 hrs REGION III DATE TIME	F. A. Palmer 4/27/81 0847 hrs TITLE DATE TIME
<input checked="" type="checkbox"/> TGM J. Keppler 4/27/81 0945 hrs REGION III & DOL DATE TIME	TITLE DATE TIME

RESPONSIBLE COMPANY OFFICER INFORMED OF 10CFR21 CONDITIONS AND THEIR REPORT TO NRC

REVIEW AND COMPLETED John W. Wujciga 4/27/81
OPERATING ENGINEER DATE

ACCEPTANCE BY STATION REVIEW AS REQUIRED
DATE 5/7/81
RESOLUTION APPROVED AND AUTHORIZED FOR DISTRIBUTION
5/8/81
STATION SUPERINTENDENT DATE