

LICENSEE EVENT REPORT

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

01 I L D R S 2 000-0000000-000 3 41111 4 \_\_\_\_\_ 5  
7 8 9 14 15 25 26 57 58

CON'T  
01 REPORT SOURCE L 6 05000237 7 090381 8 091181 9  
7 8 60 81 58 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 During normal operation, maintenance personnel noticed several broken sway struts, and  
03 high energy line break restraints on the HPCI steam line 2-2305-10. HPCI system was  
04 declared inoperable, (T.S. 3.5.c.2), and required surveillances were performed. The  
05 safety significance was minimal since system integrity was not breached and redundant  
06 safety systems were available. Health and safety of the general public were not  
07 affected. Previous occurrence 50-237/70-35.

09 SYSTEM CODE S F 11 CAUSE CODE E 12 CAUSE SUBCODE X 13 COMPONENT CODE SUPPORT 14  
7 8 9 10 11 12 13 18 19 20

17 LER/RO REPORT NUMBER 81 21 22 SEQUENTIAL REPORT NO. 057 24 26 OCCURRENCE CODE 01 28 29 REPORT TYPE T 30 31 REVISION NO. 0 32  
ACTION TAKEN F 18 F 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0000 22 ATTACHMENT SUBMITTED Y 23 NPRO-4 FORM SUB. Y 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER I207 26  
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 Suspected cause of the broken hangers is excessive line vibration or water hammer.  
11 Welds were broken on the sway strut adjusting screw and the support bolts were pulled  
12 out on the high energy line break restraint. The hangers were reinstalled and adjust-  
13 ed. A drain line was installed on the low point of the pipe run to eliminate any  
14 water buildup in the line. Analysis for long term fix is being performed by EDS Nuc.

15 FACILITY STATUS E 28 % POWER 098 29 OTHER STATUS NA 30 METHOD OF DISCOVERY Z 31 DISCOVERY DESCRIPTION Personnel Observation 32  
7 8 9 10 12 13 44 45 46 80

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 44 45 80

17 PERSONNEL EXPOSURES NUMBER 000 37 TYPE Z 38 DESCRIPTION NA 39  
7 8 9 11 12 13 80

18 PERSONNEL INJURIES NUMBER 000 40 DESCRIPTION NA 41  
7 8 9 11 12 80

19 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43  
7 8 9 10 80

20 PUBLICITY ISSUED Z 44 DESCRIPTION NA 45  
7 8 9 10 80

NRC USE ONLY

8109230144 810911  
PDR ADOCK 05000237 R  
S PDR

K. Zirwas

PHONE: 81-942-2920 Ext. 422

942-18-01

ATTACHMENT TO LICENSEE EVENT REPORT 81-57/01T-0

COMMONWEALTH EDISON COMPANY (CWE)

DRESDEN UNIT 2

DOCKET #050-237

During normal operation, maintenance personnel noticed several broken sway struts, and high energy line break restraints on the HPCI steamline 2-2305-10". The HPCI system was declared inoperable per Tech. Spec. 3.5.C.2, and required surveillances were performed. The safety significance was minimal, since redundant systems were proven operable. The health and safety of the general public was not endangered. Failure of HPCI hangers occurred once before under R.O. #50-237/70-35.

The suspected cause of the broken hangers is excessive vibration or water hammer. The welds on the sway strut adjusting screw were broken. The support bolts were pulled out on the high energy line break restraint. The hangers were repaired, reinstalled and adjusted. During line warm up, water was found in the pipe so a drain line was installed in the low point of the pipe run to eliminate any water buildup in the line. Analysis for the long term fixes is being performed by EDS Nuclear. These fixes will be done when material becomes available and plant conditions permit.



Commonwealth Edison

# DEVIATION REPORT

DVR NO.	STA	UNIT	YEAR	NO.
D - 12	2	81	101	

**PART 1** TITLE OF DEVIATION: HPCI System Declared Inoperable (2-2305-10")

OCURRED DATE: 9/3/81 TIME: 2000

SYSTEM AFFECTED: HPCI	PLANT CONDITIONS: Run	PNR(MWT): 2490	LOAD(MWE): 819	TESTING: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
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DESCRIPTION OF EVENT: As a result of finding two lateral sway braces broken and two high energy line brake whip restraints with loose or missing anchor bolts, HPCI System was declared inoperable pending stress analysis of line 2-2305-10".

DESCRIPTION OF CAUSE: Unknown

OTHER APPLICABLE INFORMATION: Both lateral sway braces have been repaired.

EQUIPMENT FAILURE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DR NO.: N/A	WR NO.:	RESPONSIBLE SUPERVISOR: Neal W. Schneider	DATE: 9/4/81
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**PART 2** OPERATING ENGINEERS COMMENTS: All necessary Tech. Spec. surveillances have been completed satisfactorily. Steam line isolated.

TYPE OF DEVIATION REPORTABLE OCCURRENCE: <input checked="" type="checkbox"/> 14 DAY <input type="checkbox"/> 10CFR21	EVENT OF POTENTIAL PUBLIC INTEREST: <input type="checkbox"/>	TECH SPEC VIOLATION: <input type="checkbox"/>	NON-REPORTABLE OCCURRENCE: <input type="checkbox"/>	ANNUAL REPORTING: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	SAFETY-RELATED WR ISSUED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
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REPORTABLE OCCURRENCE NUMBER: 81-57/01T-0	ACTION ITEM NO.:	PROMPT ON-SITE NOTIFICATION: R. M. Ragan	DATE: 9/4/81	TIME: 0800
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24-HOUR NRC NOTIFICATION: ENS Phone 9/4/81 0830 hrs	PROMPT OFF-SITE NOTIFICATION: F. A. Palmer 9/8/81 0834
TPH Tom Tongue 9/3/81 2000 hrs	TITLE DATE TIME
TGM J. Keppler 9/4/81 0300	TITLE DATE TIME

REVIEW AND COMPLETED: John W. Wujciza OPERATING ENGINEER DATE: 9/4/81

ACCEPTANCE BY STATION REVIEW AS REQUIRED: J. Brunner 9/17/81

RESOLUTION APPROVED AND AUTHORIZED FOR DISTRIBUTION: Douglas Hart 9/16/81

DATE: 9/16/81