### LICENSEE EVENT REPORT

	CONTROL BLOCK: 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 1 1 1 5 CAT 58
O I	SOURCE 10 0 5 0 0 0 2 3 7 0 0 2 1 0 8 3 0 0 3 0 9 8 3 9
0 2	During Unit 2 refueling outage, while conducting routine mechanical snubber function-
0 3	al test (Tech. Spec. 4.6.I.2), Main Steam Line (MSL) mechanical snubbers 50, 51, 46,
014	[53, and 44 were found to be inoperable. Safety significance is minimal because ana-
0 5	lysis showed that even without the snubbers, or with one snubber failed rigidly per
0 6	line, the piping stresses were less than yield stress. A similar event was reported
07	by R.O. 82-16/03L on Docket 50-249.
0 8	<u> </u>
0 9	CODE CODE SUSCODE COMPONEN CODE SUSCODE SUSCOD
	17 REPORT NUMBER 21 22 23 24 28 27 28 29 30 31 32
	TAKEN ACTION ON PLANT METHOD HOURS (2) ATTACHMENT NORTH SUBMITTED FORM SUB. SUPPLIER MANUFACTURER -
10	CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27  The probable cause of failure is a dynamic overload of the snubbers. The Station
11	and Station Nuclear Engineering are investigating the failure mode and possible
1 2	causes. Future corrective action will be determined based on the results of the in-
1 3	vestigation. Inspection of snubbers will continue as required by Technical Specifi-
14	cations. A supplemental report will be issued when the investigation is complete.
15	ACILITY SPOWER OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32 N/A Surveillance Test
	LEASED OF RELEASE AMOUNT OF ACTIVITY 35    Z   33   Z   34   N/A   N/A   N/A   N/A   LOCATION OF RELEASE 36
1 7	NUMBER TYPE DESCRIPTION (39) N/A
1 3	NUMBER DESCRIPTION (41) N/A
1 9	Z 42 N/A
2 0	PDR ADDCK 05000237 NAC USE ONLY N/A  PDR
•	Sang Rhee 815-942-2920, X-548

# ATTACHMENT TO LICENSEE EVENT REPORT 83-012/01T-0 COMMONWEALTH EDISON COMPANY (CWE) DRESDEN UNIT 2 (ILDRS2) DOCKET #50-237

During unit refueling outage, while conducting routine mechanical snubber 10 percent functional test, snubber #50 ("C" MSL) failed stroke test on 2/10/83. In accordance with Technical Specifications, an additional 10 percent of the snubbers were stroke tested. The following snubbers failed during each additional 10 percent stroke test:

Snubber	#46	"B"	MSL	2/15/83
Snubber	#51	"C"	MSL	2/15/83
Snubber	#53	"D"	MSL	2/18/83
Snubber	#44	"'C"	MSL	2/21/83

A total of thirty out of thirty-nine safety related mechanical snubbers were stroke tested. Event was of minimal safety significance because analysis showed that even without the snubbers in each Main Steam Line, or with one failed locked-up on each line, the piping stresses were within yield. A similar event was reported by R.O. 82-16/03L on Docket 50-249.

The probable cause of these snubber failures was dynamic overload. The Station and Station Nuclear Engineering are investigating the failure mode and possible causes. Future corrective actions will be determined based on the results of the investigation.

Additionally, during the first weekend in March, 1983, Unit 3 was shutdown for an inspection and functional test of all PSA-10 snubbers on the main steam system. No snubber failures resulted from this inspection and functional test. A supplemental report will be issued after the investigation has been completed.

# Commonwealth Edison DEVIATION REPORT DVR NO. 12 - 2 - 83 - 19 STA UNIT YEAR NO.

	46 and #51 Fa:	iled the Stroke Te	st Z/I	5/83 090	
SYSTEM AFFECTEDINES & C	PLANT STATUS A	T TIME OF EVENT	LOAD(MWE)O		TING
DESCRIPTION OF EVENT					
hile performing the	e functional t	test of P.S. Mechan	nical Snubbers #46	and #51 in	the Uni
rywell, the operat:	ion of both sr	nubbers failed the	stroke test. Numb	er 46 is ve	ry nois
hile being stroked	and #51 will	not move at all.			
			10 CFR50.72 NRC RED P	ONE	
EQUIPMENT FAILURE	2/002		NOTIFICATION MADE	YES	NO
	24903 K REQUEST NO.	RESPONSIBLE SUPERVISOR	Donald C. Maxwell	l DATE	2/15/83
ART 2 OPERATING ENGIN		RESPONSTBLE SOFERVISO	X	UATE	
EVENT OF PUBLIC II	NTEREST	24-HOUR NRC NOT	IFICATION REQ*D		
EVENT OF PUBLIC II		24-HOUR NRC NOT		DATE	THE
	TION	TELEPH	REGION III	DATE	TIME
TECH. SPEC. VIOLA	TION			DATE	TIME
TECH. SPEC. VIOLA  NON REPORTABLE OC	TION CURRENCE /T.S.	TELEGM/TELECOPY	REGION III		
TECH. SPEC. VIOLA  NON REPORTABLE OC  14 DAY REPORTABLE  30 DAY REPORTABLE  ANNUAL/SPECL REPORTABLE	TION CURRENCE /T.S /T.S	TELEGM/TELECOPY	REGION III		
TECH. SPEC. VIOLA  NON REPORTABLE OCI  14 DAY REPORTABLE.  30 DAY REPORTABLE.  ANNUAL/SPECL REPORTABLE.  COM-	TION CURRENCE /T.S	TELEPH  TELEGM/TELECOPY  CECO CORPORATE !	REGION III REGION III		
TECH. SPEC. VIOLA  NON REPORTABLE OC  14 DAY REPORTABLE  30 DAY REPORTABLE  ANNUAL/SPECL REPORTABLE  COMMENTARY  MECONOMICS  M	CURRENCE  /T.S.  RT REQ'O  MBINED WITH  R ON 1ST  CH. SNUBBER	TELEGM/TELECOPY  CECO CORPORATE PORTON IF ABOVE NOTIFICATION TO THE TELECOPY  Denni	REGION III  REGION III  NOTIFICATION MADE CATION IS PER 10CFR21		TIME
TECH. SPEC. VIOLA  NON REPORTABLE OC  14 DAY REPORTABLE  30 DAY REPORTABLE  ANNUAL/SPECL REPORTABLE  COM  A.I.R. # DVB  A.E.R. # MECON	CURRENCE /T.S. /T.S.  RT REQ'D BINED WITH R ON 1ST	TELEGM/TELECOPY  CECO CORPORATE POR ABOVE NOTIFICATION OF THE COPY  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy	REGION III  REGION III  NOTIFICATION MADE CATION IS PER 10CFR21  EPORT REQ'D PER 10CFR21	DATE	TIME
TECH. SPEC. VIOLA  NON REPORTABLE OC  14 DAY REPORTABLE  30 DAY REPORTABLE  ANNUAL/SPECL REPORTABLE  COM  A.I.R. # DVB  A.E.R. # MECON  REPORTABLE  PRELIMINARY REPORTABLE	CURRENCE  /T.S.  RT REQ'D  MBINED WITH  R ON 1ST  CH. SNUBBER  PORT  R 83-12/01T-0	TELEGM/TELECOPY  CECO CORPORATE POR ABOVE NOTIFICATION OF THE COPY  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy  Telecopy	REGION III  REGION III  NOTIFICATION MADE CATION IS PER 10CFR21  EPORT REQ'D PER 10CFR21  LS P. Galle	2/18/83 DATE	TIME 1536
TECH. SPEC. VIOLA  NON REPORTABLE  14 DAY REPORTABLE  30 DAY REPORTABLE  ANNUAL/SPECL REPORTABLE  COM  A.I.R. # DVR  A.E.R. # MEC	CURRENCE  /T.S.  RT REQ'D  MBINED WITH  R ON 1ST  CH. SNUBBER  PORT  R 83-12/01T-0	TELEGM/TELECOPY  CECO CORPORATE POR STATE OF STA	REGION III  REGION III  NOTIFICATION MADE CATION IS PER 10CFR21  EPORT REQ'D PER 10CFR21  LS P. Galle  DRPORATE OFFICER  2/18	2/18/83 DATE	TIME 1536
TECH. SPEC. VIOLA  NON REPORTABLE OC  14 DAY REPORTABLE  30 DAY REPORTABLE  ANNUAL/SPECL REPORTABLE  COMPLETED AND  INVESTIGATED REPORTABLE	CURRENCE  /T.S.  /T.S.  RT REQ'D  MBINED WITH  R ON 1ST  CH. SNUBBER  PORT  R 83-12/01T-0  EPORT  REVIEWED  RESOLUTION	TELEPH  TELEGM/TELECOPY  CECO CORPORATE N  IF ABOVE NOTIFIE  5-DAY WRITTEN RE  Telecopy Denni CECO CO  John M. Almer	REGION III  REGION III  NOTIFICATION MADE CATION IS PER 10CFR21  EPORT REQ'D PER 10CFR21  LS P. Galle  DRPORATE OFFICER  2/18	2/18/83 DATE	TIME 1536
TECH. SPEC. VIOLA  NON REPORTABLE OCI  14 DAY REPORTABLE  30 DAY REPORTABLE  ANNUAL/SPECL REPORTABLE  COMMENTARY  PRELIMINARY RECOMPLETED AND	CURRENCE  /T.S.  /T.S.  RT REQ'D  MBINED WITH  R ON 1ST  CH. SNUBBER  PORT  R 83-12/01T-0  EPORT  REVIEWED  RESOLUTION	TELEPH  TELEGM/TELECOPY  CECO CORPORATE N  IF ABOVE NOTIFIE  5-DAY WRITTEN RE  Telecopy Denni CECO CO  John M. Almer	REGION III  REGION III  NOTIFICATION MADE CATION IS PER 10CFR21  EPORT REQ'D PER 10CFR21  LS P. Galle  DRPORATE OFFICER  2/18	2/18/83 DATE	TIME 1536

86-5176 (FORM 15-52-1) 10-81

### Commonwealth Edison DEVIATION REPORT DVR NO. 12 - 2 - 83 - 20 STA UNIT YEAR NO.

Failure of Me		nubber #53	OCCURRED 2/18/	83 0900	
STEM AFFECTED P	PLANT STATUS A	T TIME OF EVENT	DATE	TIM	IE ING
		1 , PWR(MWT)0	, LOAD(MWE)O		
SCRIPTION OF EVENT		-		YES	NO
hile performing add:	itional 10	percent functional	tests of Pacific Sci	entific M	echanio
Snubber, #53 snubber	in the Uni	t 2 drywell failed	the stroke test.		1
				2012	
	the second				
			10 CFR50.72 NRC RED PHON	YES YES	NO
QUIPMENT FAILURE 29	535		MOTIFICATION MADE	123	10
	REQUEST NO.	RESPONSIBLE SUPERVISOR	R Sang Rhee	DATE	2/18/83
ART 2 OPERATING ENGINEER	R'S COMMENTS				
EVENT OF PUBLIC INTE	REST	24-HOUR NRC NOT	IFICATION REQ'D		
TECH. SPEC. VIOLATIO	ON .	TELEPH	REGION III	DATE	TIME
NON REPORTABLE OCCUR	PRENCE	TELEGM/TELECOPY	region III	UATE	TIME
14 DAY REPORTABLE/T.	s		REGION III	DATE	TIME
30 DAY REPORTABLE/T.	S	CECO CORPORATE	NOTIFICATION MADE		
ANNUAL/SPECL REPORT			CATION IS PER 10CFR21		
1 0 4	ON 1ST	5-DAY WRITTEN RE	EPORT REQ'D PER 10CFR21		
	H. SNUBBER			2/19/02	15/1
REP	ORT	TELEPH	P. Galle  ORPORATE OFFICER	2/18/83 DATE	1541 TIME
PRELIMINARY REPO	83-12/01T-0	Ψ			
COMPLETED AND RE		John M. Almer OPERATING ENGINE	2/18/8 DATE		
INVESTIGATED REPORT & RES	OLUTION	- Control Charles	VAIL		
ACCEPTED BY STATION REV		Bruner			
	0	211-102			
		3 10 83			
RESOLUTION APPROVED A	and .	3/10/13		. 1	

## Commonwealth Edison DEVIATION REPORT DVR NO. 12 - 2 - 83 - 27 STA UNIT YEAR NO.

			OCCURRED 2/21/8	33 140	0
Failure of	f Mechanical Sn		DATE		ME
SYSTEM AFFECTED		AT TIME OF EVENT		TES	TING
C Main Steam	LOAD(MWE)	YES	NO		
DESCRIPTION OF EVENT					
While performing f	functional test	of Pacific Scient:	fic Mechanical Snubb	per, #44	snubber
in the Unit 2 dryw	vell failed the	stroke test.			
	did to the contract		and the other is all		
			10 CFR50.72 NRC RED PHON	NE 🗇	X
		At- a such a mark	NOTIFICATION MADE	YES	NO
EQUIPMENT FAILURE	25935				
X YES NO W	ORK REQUEST NO.	RESPONSIBLE SUPERVISOR	Sang Rhee	DATE	2/22/83
PART 2 OPERATING ENG	INEER'S COMMENTS				
EVENT OF PUBLIC		24-HOUR NRC NOTI			
	INTEREST				
EVENT OF PUBLIC TECH. SPEC. VIOL	INTEREST	24-HOUR NRC NOTI		DATE	TIME
EVENT OF PUBLIC TECH. SPEC. VIOL NON REPORTABLE O	INTEREST LATION OCCURRENCE	24-HOUR NRC NOTI	FICATION REQ*D  REGION III		
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PUBLIC OF THE P	INTEREST LATION OCCURRENCE LE/T.S.	24-HOUR NRC NOT!	FICATION REQ*D	DATE	TIME
EVENT OF PUBLIC TECH. SPEC. VIOL NON REPORTABLE O	INTEREST LATION OCCURRENCE LE/T.S.	TELEPH  TELEGM/TELECOPY  CECO CORPORATE N	FICATION REQ*D  REGION III  REGION III		
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PUBLIC OF THE P	INTEREST LATION OCCURRENCE LE/T.S. LE/T.S. PORT REQ'D	TELEPH  TELEGM/TELECOPY  CECO CORPORATE N	FICATION REQ*D  REGION III		
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PORTABLE OF THE PORTA	INTEREST LATION OCCURRENCE LE/T.S. LE/T.S. PORT REQ'D COMBINED WITH	TELEGM/TELECOPY  CECO CORPORATE N  IF ABOVE NOTIFIC	FICATION REQ*D  REGION III  REGION III		
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PUBLIC OF THE P	INTEREST LATION OCCURRENCE LE/T.S. LE/T.S. PORT REQ'D	Z4-HOUR NRC NOTI  TELEPH  TELEGM/TELECOPY  CECO CORPORATE N  IF ABOVE NOTIFIC	REGION III  REGION III  OTIFICATION MADE ATION IS PER 10CFR21	DATE	TIME
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PORTABLE OF THE PORTA	INTEREST LATION OCCURRENCE LE/T.S. LE/T.S. PORT REQ'D COMBINED WITH DVR ON 1ST MECH. SNUBBER REPORT	24-HOUR NRC NOTITELEPH   TELEPH   TELEOM/TELECOPY   CECO CORPORATE NOTIFIC   5-DAY WRITTEN RETELEPH   Dennis	REGION III  REGION III  OTIFICATION MADE ATION IS PER 10CFR21  PORT REQ'D PER 10CFR21  P. Galle	DATE 2/23/83	TIME
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PORTABLE OF THE PORTA	INTEREST LATION OCCURRENCE LE/T.S. LE/T.S. PORT REQ'D COMBINED WITH DVR ON 1ST MECH. SNUBBER	24-HOUR NRC NOTITELEPH   TELEPH   TELEOM/TELECOPY   CECO CORPORATE NOTIFIC   5-DAY WRITTEN RETELEPH   Dennis	REGION III  REGION III  OTIFICATION MADE ATION IS PER 10CFR21	DATE	TIME
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PORTABLE OF THE PORTA	INTEREST LATION OCCURRENCE LE/T.S. LE/T.S. PORT REQ'D COMBINED WITH DVR ON 1ST MECH. SNUBBER REPORT LER 83-12/01T-	24-HOUR NRC NOTE   TELEPH	REGION III  REGION III  OTIFICATION MADE ATION IS PER 10CFR21  PORT REQ'D PER 10CFR21  P. Galle  RPORATE OFFICER	2/23/83 DATE	TIME
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PORTABLE OF THE PORTA	INTEREST LATION OCCURRENCE LE/T.S. LE/T.S. PORT REQ'D COMBINED WITH DVR ON 1ST MECH. SNUBBER REPORT LER 83-12/01T-	24-HOUR NRC NOTITELEPH   TELEPH   CECO CORPORATE NOTIFIC   S-DAY WRITTEN RETELEPH   Dennis   CECO CO	REGION III  REGION III  OTIFICATION MADE ATION IS PER 10CFR21  PORT REQ'D PER 10CFR21  P. Galle  RPORATE OFFICER	2/23/83 DATE	TIME
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PORTABLE OF THE PUBLIC OF THE	INTEREST LATION OCCURRENCE LE/T.S. LE/T.S. PORT REQ'D COMBINED WITH DVR ON 1ST MECH. SNUBBER REPORT LER 83-12/01T-( REPORT ND REVIEWED RESOLUTION	Z4-HOUR NRC NOTI  TELEPH  TELEGM/TELECOPY  CECO CORPORATE N  IF ABOVE NOTIFIC  S-DAY WRITTEN RE  TELEPH  Dennis  CECO CO  John M. Almer  OPERATING ENGINEE	FICATION REQ'D  REGION III  REGION III  OTIFICATION MADE ATION IS PER 10CFR21  PORT REQ'D PER 10CFR21  P. Galle  RPORATE OFFICER	2/23/83 DATE	TIME
EVENT OF PUBLIC  TECH. SPEC. VIOL  NON REPORTABLE OF THE PUBLIC OF THE P	INTEREST LATION OCCURRENCE LE/T.S. LE/T.S. PORT REQ'D COMBINED WITH DVR ON 1ST MECH. SNUBBER REPORT LER 83-12/01T-( REPORT ND REVIEWED RESOLUTION	24-HOUR NRC NOTE   TELEPH	FICATION REQ'D  REGION III  REGION III  OTIFICATION MADE ATION IS PER 10CFR21  PORT REQ'D PER 10CFR21  P. Galle  RPORATE OFFICER	2/23/83 DATE	TIME

86-5176 (FORM 15-52-1) 10-81

### 

86-5176 (FORM 15-52-1) 10-81

PART 1 TITLE OF DEVIATION			est OCCURRED 2	/10/83 1500	)
Unit 2 Mechan	ical Snub	ber Failed Stroke T		DATE TI	
fell warm Tite-		t TIME OF EVENT	LOAD(MWE)	O TES	TING NO
DESCRIPTION OF EVENT					
hile performing 10 per	cent func	tional test of Paci	fic Scientific !	Mechanical Snu	ubber #50
n the Unit 2 drywell,	the opera	tion of the snubber	was found to be	questionable	e.
		المنطب والمتعدد			
			10 CFR50.72 NRC RE	D PHONE X	
2/0	02		NOTIFICATION MADE	2/26/83 YES	NO
YES NO WORK REG	OUEST NO.	RESPONSIBLE SUPERVISOR	Sang Rhee	DATE	2/10/83
PART 2 OPERATING ENGINEER'S		RESPONSIBLE SUPERVISOR		DATE	
THE STERRITION CHOINEER	Comments				
EVENT OF PUBLIC INTERE	ST	24-HOUR NRC NOT		2/26/02	1550
TECH. SPEC. VIOLATION		TELEPH M.	Jordan REGION III	2/26/83 DATE	1550 TIME
NON REPORTABLE OCCURRE		TELEGM/TELECOPY J.	Keppler	2/28/83	1530
X 14 DAY REPORTABLE/T.S.	.6.B.1.i.		REGION III	DATE	TIME
30 DAY REPORTABLE/T.S.		CECO CORPORATE N	OTIFICATION MADE		
ANNUAL/SPECL REPORT RE Upgraded to 14 day	o'o reporta-	IF ABOVE NOTIFIC	ATION IS PER 10CFR2		
A.I.R. #ble on	the state of the same of the s	5-DAY WRITTEN RE	PORT REQ'D PER 10CF	R21	
.E.R. #83-12/01T-0		Denr	is P. Galle	2/14/83	1416
		IELEPH -	RPORATE OFFICER	DATE	TIME
PRELIMINARY REPORT		John M. Almer		2/14/83	
COMPLETED AND REVI	EWED -	OPERATING ENGINEE	And the second s	DATE	
INVESTIGATED REPORT & RESOL ACCEPTED BY STATION REVIE		R	V.K	n 110	)
ACCEPTED BY STATION REVIE	" て	3 Jules	1 1071	10/03	
		3/10/8	10	110/83	
RESOLUTION APPROVED AND		Nougho K	Junt	8/10/83	
AUTHORIZED FOR DISTRIBU	TION	STATIN SYNER	INTENDENT	DATE	