

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONT

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REPORT SOURCE

L	6	0	5	0	0	0	2	5	4	7	0	5	1	0	8	3	8	0	5	2	6	8	3	9
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DOCKET NUMBER

EVENT DATE

REPORT DATE

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | On May 10, 1983, while performing the Suppression Chamber to Drywell Vacuum Breaker

03 | Monthly Exercise, QOS 1600-1, the Division II indicating lights for vacuum breaker

04 | 1-1601-33F did not operate when the valve was exercised. The Suppression Chamber to

05 | Drywell Pressure Separation Test, QOS 1600-8, was performed as required by Technical

06 | Specification 3.7.A.4.d. The vacuum breaker was determined to be closed and the

07 | only problem with the vacuum breaker was the Division II position indication. Thus,

08 | Primary Containment integrity was maintained at all times.

09		SYSTEM CODE S A		11	CAUSE CODE E		12	CAUSE SUBCODE B		13	COMPONENT CODE V A L V E X				14	COMP. SUBCODE C		15	VALVE SUBCODE C		16					
17		LER/RO REPORT NUMBER 8 3		21	EVENT YEAR 8 3		22	SEQUENTIAL REPORT NO. 0 2 0		24	OCCURRENCE CODE /		27	REPORT TYPE L		30	REVISION NO. 0		32							
ACTION TAKEN B		18	FUTURE ACTION Z		19	EFFECT ON PLANT Z		20	SHUTDOWN METHOD Z		21	HOURS 0 0 0 0		22	ATTACHMENT SUBMITTED Y		23	NPRD-4 FORM SUB. N		24	PRIME COMP. SUPPLIER N		25	COMPONENT MANUFACTURER A 5 8 5		26

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The cause of this occurrence was due to a slight binding in the vacuum breaker main

1 1 | shaft. The binding prevented the vacuum breaker from opening far enough to actuate

1 2 | the Division II open limit switch. The limit switch tolerances are very small. The

1 3 | vacuum breaker shaft was lubricated as well as the limit switch actuating arms. The

1 4 | limit switches were re-installed and adjusted. The vacuum breaker was retested

1 5 | satisfactorily. There has been no record of similar problems in recent years.

7 8 9 80

FACILITY STATUS		% POWER		OTHER STATUS (30)		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION (32)			
1	5	E	(28)	0	9	9	(29)	NA	B	(31)	Routine Monthly Surveillance

ACTIVITY CONTENT  
RELEASED OF RELEASE

AMOUNT OF ACTIVITY (35)

LOCATION OF RELEASE (36)

1 6 Z (33) Z (34) NA 44  
7 8 9 10 11  
PERSONNEL EXPOSURES

NUMBER			TYPE	DESCRIPTION
1	7	0 0 0	(37) Z	(38) NA

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	2	3	4	5	6

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	
LOSS OF OR DAMAGE TO FACILITY (43)																																																																																																											
TYPE DESCRIPTION																																																																																																											

1 9 Z 42 NA

ISSUED DESCRIPTION (45) 8306130337 830526  
PDR ADCK 05000254  
S PDR

NRC USE ONLY

NAME OF PREPARER

J Carney

PHONE: 309-654-2241, ext 175



**Commonwealth Edison**

Quad Cities Nuclear Power Station  
22710 206 Avenue North  
Cordova, Illinois 61242  
Telephone 309/654-2241

*DMB*

NJK-83-192

May 26, 1983

J. Keppler, Regional Administrator  
Office of Inspection and Enforcement  
Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

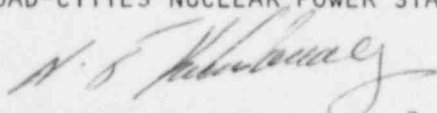
Reference: Quad-Cities Nuclear Power Station  
Docket Number 50-254, DPR-29, Unit One  
Appendix A, Section 3.7.A.4.d

Enclosed please find Reportable Occurrence Report Number R0 83-20/03L-0  
for Quad-Cities Nuclear Power Station.

This report is submitted to you in accordance with the requirements of  
Technical Specification 6.6.B.2.b; condition leading to operation in a  
degraded mode permitted by a limiting condition for operation.

Respectfully,

COMMONWEALTH EDISON COMPANY  
QUAD-CITIES NUCLEAR POWER STATION

  
N. J. Kalivianakis  
Station Superintendent

NJK:DGC/bb

Enclosure

cc R Rybak  
N. Chrissotimos  
INPO Records Center

**JUN 6 1983**

*FE22*  
*11*

- I. LER NUMBER: LER/RO 83-20/03L-0
- II. LICENSEE NAME: Commonwealth Edison Company  
Quad-Cities Nuclear Power Station
- III. FACILITY NAME: Unit One
- IV. DOCKET NUMBER: 050-254
- V. EVENT DESCRIPTION:

On May 10, 1983, at 11:45 p.m., Unit One was in the RUN mode operating at a load of 827 MWe and 2493 MWt. While performing the Suppression Chamber to Drywell Vacuum Breakers Monthly Exercise, QOS 1600-1, the Division II indication lights for vacuum breaker 1-1601-33F did not operate when the valve was exercised. The Suppression Chamber to Drywell Pressure Separation Test With  $\Delta p$  Established Between Drywell and Suppression Chamber (Drywell Inerted), QOS 1600-8, was immediately performed; thereby satisfying the requirements of Technical Specification 3.7.A.4.d. QOS 1600-8 was satisfactorily completed and vacuum breaker 1-1601-33F was determined to be closed.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The Drywell to Torus Separation test results were satisfactory and vacuum breaker 1-1601-33F was found to be closed. The Division I indicating lights were operating properly at the time. Thus, the safety implications of this occurrence were minimal.

VII. CAUSE:

The vacuum breaker has two pairs of limit switches which give the position indication of the breaker to the test panel. The failure of the light indication for vacuum breaker 1-1601-33F was apparently caused by a failure of the vacuum breaker to open far enough to actuate the Division II open limit switch. The tolerances for these limit switches are very small; thus, a slight binding of the vacuum breaker shaft could cause a failure to initiate a full open indication. The vacuum breakers are manufactured by Atwood & Morrill Company.

VIII. CORRECTIVE ACTION:

The corrective action taken was to lubricate the shaft of the vacuum breaker and also the actuating arms of the limit switches. The limit switches were reinstalled and adjusted to assure their proper settings. On May 21, 1983, the light indication of vacuum breaker 1-1601-33F was tested after repair and was found to be functioning properly. There is no record of any occurrence of this type in recent years.



Commonwealth Edison

## DEVIATION REPORT

DVR NO. 4 - 1 - 83 - 46  
STA UNIT YEAR NO.

PART 1 TITLE OF DEVIATION

OCCURRED

5-10-83

11:45p.m.

DATE

TIME

1-1601-33F Vacuum Breaker Position Indication

ITEM AFFECTED  
Vac. Brkrs. Torus  
Drywell (1600)

PLANT STATUS AT TIME OF EVENT

MODE RUN

2493

LOAD(MWE) 827

TESTING

YES

NO

DESCRIPTION OF EVENT

While performing monthly test the Division 2 lights did not operate when the valve was operated. The division I lights operated correctly indicating that the valve had opened and closed. Suspect limit switch problem on Div. 2 side.

10 CFR50.72 NRC RED PHONE

☐☒

NOTIFICATION MADE

YES

NO

EQUIPMENT FAILURE Q26092

☒ YES☐ NO

WORK REQUEST NO.

RESPONSIBLE SUPERVISOR

Kelly

DATE

5-10-83

PART 2 OPERATING ENGINEER'S COMMENTS

Drywell to Torus separation test satisfactorily performed. Vacuum breaker is closed.

Will repair at next outage.

☐ EVENT OF PUBLIC INTEREST☐ TECH. SPEC. VIOLATION☐ NON REPORTABLE OCCURRENCE☐ 14 DAY REPORTABLE/T.S.☒ 30 DAY REPORTABLE/T.S. 6.6.B.2.b  
3.7.A.4.d.☐ ANNUAL/SPECL REPORT REQ'D☐ 24-HOUR NRC NOTIFICATION REQ'D

TELEPH

REGION III

DATE

TIME

TELEGM/TELECOPY

REGION III

DATE

TIME

☐ CECO CORPORATE NOTIFICATION MADE  
IF ABOVE NOTIFICATION IS PER 10CFR21☐ 5-DAY WRITTEN REPORT REQ'D PER 10CFR21

TELEPH

CECO CORPORATE OFFICER

DATE

TIME

A.I.R. #

L.E.R. # 83-20/03L-0

PRELIMINARY REPORT  
COMPLETED AND REVIEWED

Gary Spedl

OPERATING ENGINEER

5-12-83

DATE

INVESTIGATED REPORT & RESOLUTION  
ACCEPTED BY STATION REVIEWRESOLUTION APPROVED AND  
AUTHORIZED FOR DISTRIBUTION

STATION SUPERINTENDENT

DATE