NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/88

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Quad-Cities Nuclear Power Station, Unit 1	0 5 0 0 0 2 5 4	1 OF 0 2

TITLE (4)
Number 4 TIP Ball Valve Failure

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)
0 5	0 9	8 5	8 5	0 0 2	0 0	0 6	0 6	8 5	NA	0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	1
POWER LEVEL (10)	0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
20.405(a)(1)(iv)	X 50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
Ronald K. Rustick, Technical Staff (extension 182)	3 0 9 6 5 4 - 2 2 4 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
X	I G	I S V	G 0 8 0	Y							

SUPPLEMENTAL REPORT EXPECTED (14)

		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On May 9, 1985, Unit 1 was in the SHUTDOWN mode. At 1200 hours, the surveillance, QOS 700-9, "Traversing In-Core Probe System (IG) Power Operated Valve Testing" was performed. The number 4 TIP Ball valve failed to close after it was stroked numerous times. The shear valve key was made available. If a condition arose in which the TIP System needed to be isolated, the Primary Containment isolation capabilities were, therefore, intact.

The cause of the stuck Ball valve was a loss of lubrication. The valve was cleaned and lubricated and the valve was returned to service at 0335 hours on May 11, 1985.

This report is submitted to you in accordance with the requirements of the Code of Federal Regulations, Title 10, Part 50.73(a)(2)(ii), which requires the reporting of any event or condition that resulted in the condition of the nuclear power plant, including its principle safety barriers, being seriously degraded.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Quad-Cities Nuclear Power Station, Unit 1	0 5 0 0 0 2 5 4	8 5	— 0 0 2	— 0 0	0 2 OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Event Description

On May 9, 1985, Unit 1 was in the SHUTDOWN mode at 0 percent core thermal power. At 1200 hours, the Nuclear Station Operator performed QOS 700-9, "Traversing In-Core Probe System (IG) Power Operated Valve Testing". The number 4 TIP Ball valve failed to close the last time it was stroked. The Shift Control Room Engineer was notified and Work Request Q42109 was written to investigate the problem. The TIP shear valve key was made available to the Unit Operator. Thus, Primary Containment isolation capabilities remained intact.

Cause

The cause of this deviation was a stuck Ball valve. The Instrument Mechanics removed the valve for cleaning and lubricating. Upon opening the valve, they noticed that it was very dry inside. The Ball valve was manufactured by General Pneumatic Corporation, Model Number GP608KWJ06-3.

Corrective Action

After a thorough cleaning and lubricating, the Instrument Mechanic performed QIP 730-2-S1, "Checklist for Removal and Installation of TIP Ball Valves". At 0335 hours, on May 11, 1985, the valve was reinstalled and tested satisfactorily from the Control Room. The last similar occurrence where a TIP Ball valve failed is documented in Deviation Report 4-1-84-1.

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

NJK-85-162

June 6, 1985

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Reference: Quad-Cities Nuclear Power Station
Docket Number 50-254, DPR-29, Unit One

Enclosed please find Licensee Event Report (LER) 85-02, Revision 00, for Quad-Cities Nuclear Power Station.

This report is submitted to you in accordance with the requirements of the Code of Federal Regulations, Title 10, Part 50.73(a)(2)-(ii), which requires the reporting of any event or condition that resulted in the condition of the nuclear power plant, including its principle safety barriers, being seriously degraded.

Respectfully,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis
Station Manager

NJK:BRS/bb

Enclosure

cc B. Rybak
A. Madison
INPO Records Center
NRC Region III

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