

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Quad-Cities Nuclear Power Station, Unit One	DOCKET NUMBER (2) 0 5 0 0 0 2 5 4	PAGE (3) 1 OF 0 2
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TITLE (4)
Unit One Main Steam Isolation Valves Failed Local Leak Rate Tests

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)
03	16	84	84	004	010	09	04	84	NA		0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9) 2	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)									
POWER LEVEL (10) 0 0 0	20.402(b)	20.403(c)	50.73(a)(2)(iv)	73.71(b)						
	20.406(a)(1)(i)	50.38(c)(1)	50.73(a)(2)(v)	73.71(c)						
	20.406(a)(1)(ii)	50.38(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	20.406(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)							
	20.406(a)(1)(iv)	X 50.73(a)(2)(iii)	50.73(a)(2)(viii)(B)							
20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)								

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME	AREA CODE		
Alex L. Misak	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	
B	J M	I I S V C	6 8 4	Y						

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	MONTH	DAY YEAR

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

The following is a supplementary report submitted to document the cause and corrective action for the Local Leak Rate Test failures of Main Steam Isolation Valves during End of Cycle 7 Refueling at Quad-Cities Unit One.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

Cause

The cause of this occurrence is valve seating surface wear. Both the main seat and disc and the pilot seat and disc showed signs of wear. The major factor contributing to this wear is the presence of high pressure steam flowing through the system during operation.

Corrective Action

The following list summarizes the repairs required for each valve:

<u>Valve</u>	<u>Description of Repairs</u>
A0 1-203-1B	Installed new pilot seat.
A0 1-203-2B	Rebuilt the valve operator, lapped pilot seat and main seat, machined pilot disc and main disc.
A0 1-203-1C	Lapped main seat and pilot seat.
A0 1-203-2C	Lapped main seat and pilot seat, machined main disc, replaced and machined pilot disc, replaced pilot stem.
A0 1-203-2D	Replaced pilot valve, replaced main valve stem.

After the above repairs were completed, each valve was Local Leak Rate Tested. The results of these tests are listed below:

<u>Valve</u>	<u>Leak Rate</u>
A0 1-203-1B	9.5 SCFH
A0 1-203-2B	2.3 SCFH
A0 1-203-1C	2.3 SCFH
A0 1-203-2C	11.5 SCFH
A0 1-203-2D	0.0 SCFH

Since all of the valves met the leakage criteria of 11.52 SCFH, as specified in Technical Specification 3.7.A.2, this corrective action is deemed adequate.



Commonwealth Edison

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NJK-84-258

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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) 84-004, Revision 1, for Quad-Cities Nuclear Power Station.

This supplemental report is submitted to you in accordance with the requirements of the Code of Federal Regulations, Title 10, Part 50.73(a)-(2)(ii) to document the cause and corrective actions associated with the Local Leak Rate Test failures experienced on the Unit One Main Steam Isolation Valves.

Respectfully,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis
Station Superintendent

NJK:DBC/bb

Enclosure

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

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