

LICENSEE EVENT REPORT (LER)

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

TITLE (4)

RHR Service Water Vault Penetrations Were Found to Leak

EVENT DATE (6)			LER NUMBER (8)			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 7	8 4	8 4	0 0 7	0 0 0 5	3	0	8 4			0 5 0 0 0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10) 0 0 0	1	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)						
		20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)						
		20.406(a)(1)(ii)	50.36(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)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)							
		20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)							

LICENSEE CONTACT FOR THIS LER (12)
NAME: Warren Leaverton
TELEPHONE NUMBER: 310 9 615 41-12 21 41
AREA CODE: 310 9

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
X	BIO	PIEN		N					

SUPPLEMENTAL REPORT EXPECTED (14)
☒ YES (If yes, complete EXPECTED SUBMISSION DATE)
NO
EXPECTED SUBMISSION DATE (15)
MONTH: 0 8 DAY: 3 YEAR: 1 8 4

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

While performing leak rate tests on the RHR Service Water Vault Penetrations, 11 Penetrations were found to be leaking. The leak rates encountered were small. The RHR Service Water Vault Sump Pumps would have adequately discharged any water which might have leaked into the vaults had a Condensate pump area flood occurred. Piping vibration is attributed as the cause of these leaks due to loosening of the seals. The two seals on the 'B' RHR Service Water Vault, containing the 1/2 Diesel Generator Cooling Water Pump, were tightened immediately. The remaining seal bolts will be tightened and the Penetrations retested before unit startup.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Quad-Cities Nuclear Power Station, Unit One	DOCKET NUMBER (2) 0 5 0 0 0 2 5 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	— 0 0 7	— 0 0	0 2	OF 0	3

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

On May 7, 1984, while performing Penetration leak rate tests on the A, B, and C RHR Service Water Vault Penetrations, (as required by Technical Specification 4.5.H.1.a), 11 Penetrations were found to be leaking.

<u>Penetration Number</u>	<u>Line</u>	<u>Size</u>	<u>System</u>
MK-475	1-1005B	16 inch	RHR Service Water
MK-476	1-1005A	16 inch	RHR Service Water
MK-483	1-0302A	2-1/2 inch	CRD Water
MK-484	1-0302A	2-1/2 inch	CRD Water
MK-491	1-4709	2 inch	Instrument Air
'A' Vault Sump Pump Discharge Line		2 inch	----
'B' Vault Sump Pump Discharge Line		2 inch	----
'C' Vault Sump Pump Discharge Line		2 inch	----
'A' Vault Sump Pump Electrical Penetration		----	----
'B' Vault Sump Pump Electrical Penetration		----	----
'C' Vault Sump Pump Electrical Penetration		----	----

Since the leak rates encountered were small, the RHR Service Water Vault sump pumps could have adequately discharged any water which might have leaked through in the event that a complete flooding of the Condensate pump area would have occurred.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

The RHR Service Water pumps were unaffected by this occurrence and the consequences of this occurrence are minimal.

The cause of this occurrence was pipe vibration and subsequent loosening of the Penetration seals. The seal bolts on the Penetrations to the 'B' RHR Service Water Vault were tightened and the Penetrations tested satisfactorily. Work Request Q35135 was written to tighten the seal bolts and retest the Penetrations to the 'A' and 'C' RHR Service Water Vaults prior to unit startup. A supplementary report will be submitted upon completion of this work.



Commonwealth Edison

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

NJK-84-185

May 30, 1984

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 Number (LER)
84-7 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)(v), as an event or condition that could have
prevented the fulfillment of the safety function of
structures or systems that are needed to remove residual heat.

Respectfully,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis
Station Superintendent

NJK:JV/bb

Enclosure

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

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