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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

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104 EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)		PAGE (3)							
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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.l.a), Il Penetrations were found to be leaking.

Penetration Number	Line	Size	System
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.

NRC Form 366A (9-83)

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

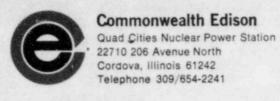
APPROVED OMB NO. 3150-0104 EXPIRES: 8/31/85

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.



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

A. Morrongiello
INPO Records Center
NRC Region III
ANI Library

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