

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Quad-Cities Nuclear Power Station, Unit Two	DOCKET NUMBER (2) 0 5 0 0 0 2 6 5	PAGE (3) 1 OF 1
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TITLE (4)
HPCI Cooling Water Return 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)																																		
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9) 4</td> <td colspan="11">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="6">POWER LEVEL (10) 0 9 9</td> <td>20.402(b)</td> <td>20.406(c)</td> <td>50.73(a)(2)(iv)</td> <td>73.71(b)</td> </tr> <tr> <td>20.406(a)(1)(i)</td> <td>50.38(c)(1)</td> <td>X 50.73(a)(2)(v)</td> <td>73.71(c)</td> </tr> <tr> <td>20.406(a)(1)(ii)</td> <td>50.38(c)(2)</td> <td>50.73(a)(2)(vii)</td> <td rowspan="4">OTHER (Specify in Abstract below and in Text, NRC Form 366A)</td> </tr> <tr> <td>20.406(a)(1)(iii)</td> <td>50.73(a)(2)(i)</td> <td>50.73(a)(2)(viii)(A)</td> </tr> <tr> <td>20.406(a)(1)(iv)</td> <td>50.73(a)(2)(ii)</td> <td>50.73(a)(2)(viii)(B)</td> </tr> <tr> <td>20.406(a)(1)(v)</td> <td>50.73(a)(2)(iii)</td> <td>50.73(a)(2)(ix)</td> </tr> </table>												OPERATING MODE (9) 4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)											POWER LEVEL (10) 0 9 9	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)	20.406(a)(1)(i)	50.38(c)(1)	X 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)	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)(ix)
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LICENSEE CONTACT FOR THIS LER (12)

NAME James B Eagle	TELEPHONE NUMBER 3 0 9 6 5 4 - 2 2 4 1
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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	BIJ	IISIV	L21010	Y					

SUPPLEMENTAL REPORT EXPECTED (14)

YES NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

On July 3, 1984, at 2330 hours, after performing the HPCI monthly and quarterly surveillances, the normal HPCI Cooling Water Return Valve, MO 2-2301-48, could not be re-opened from the Control Room. HPCI was declared inoperable. The valve was then manually opened and HPCI was declared operable. The Electrical Maintenance Department investigated the failure but could not duplicate the problem. The valve was cycled several times without any problems. This event is considered an isolated occurrence.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
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TEXT (If more space is required, use additional NRC Form 365A's) (17)

Event Description

On July 3, 1984, at 2330 hours, after performing the HPCI monthly and quarterly surveillances (QOS 2300-1, 2, 3, 6), the normal HPCI Cooling Water Return Valve, MO 2-2301-48, would not re-open from the Control Room. At 0215 hours, on July 4, 1984, HPCI was declared inoperable and surveillance testing was initiated to comply with the requirements of Technical Specification 4.5.C.2. The MO 2-2301-48 valve was manually re-opened and HPCI was declared operable on July 4, 1984, at 0300 hours and 0335 hours, respectively. All other ECCS systems were operable at the time of this occurrence, therefore, the safety implications of this occurrence were minimal. Unit Two was in the RUN mode at 99 percent thermal power. This report is being submitted to satisfy the requirements outlined in 10 CFR 50.73(a)(2)(v).

Cause

The cause of this valve failing to open is not known. The breaker was reset, the valve was manually opened, and Electrical Maintenance personnel took current readings as the valve was cycled. The valve required 1.4 amperes (running current) to open and .4 amperes to close. These are typical values. After cycling the valve several times without finding any abnormalities, the valve was returned to service. The motor operator is manufactured by Limitorque, Model Number SMB-000. The valve is a four inch Gate Valve, manufactured by Crane Company.

Corrective Action

The immediate corrective action was to manually open the valve and initiate a Work Request to investigate and repair the problem. Since the failure could not be reproduced, and there is no data to indicate that this is a recurring problem, no further corrective action is being considered at this time. There have been two previous failures of the HPCI 2301-48 valve at Quad-Cities Station. They are documented under Deviation Report numbers D-4-2-74-22 and D-4-1-83-66.



Commonwealth Edison

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

NJK-84-227

July 20, 1984

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

Reference: Quad-Cities Nuclear Power Station
Docket Number 50-265, DPR-30, Unit Two

Enclosed please find Licensee Event Report Number (LER) 84-008
for Quad-Cities Nuclear Power Station.

This report is submitted to you in accordance with the require-
ments of the Code of Federal Regulations, Title 10, Part 50.73(a)(2)-
(v) which requires the reporting of any event or condition that alone
could have prevented the fulfillment of the safety functions that
are needed to shutdown the Reactor and maintain it in a safe shutdown
condition.

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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