

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 0 2
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TITLE (4)  
Unit Scram Caused by #4 Turbine Control Valve Fast Closure

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)
06	10	84	84	007	01	08	30	84	NA		05000

OPERATING MODE (9) 4

POWER LEVEL (10) 01816

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

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	
<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME David B. Cook, extension 244	TELEPHONE NUMBER AREA CODE: 309, 654-2241
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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
B	JJ	01033N	0107	Y					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

Corrective Actions

As suspected, the 90% closed limit switch was stuck in the closed position. Due to the intense heat near the control valves, it was decided to remove the switch and determine the exact cause of its failure in the Maintenance Department shop. The switch was replaced with a like-for-like replacement. The investigation performed on the switch revealed that the failure could not be determined, as the switch functioned as designed when bench-tested.

The wire that was lifted, so that this event would not reoccur while the defective switch was still in place, was relanded. The half-scrum signal associated with the control valve's fast closure solenoid being energized was then successfully tested. The temporary procedure that was written to allow testing of the control valves with the switch in this condition was discontinued. Modification M-4-1(2)-84-20 is now being

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

Corrective Actions (continued)

processed and will provide indication, in the Control Room, of when the 90% closed limit switches are picked-up. This will aid the Operator when executing procedure QOS 5600-1, Weekly Turbine Tests, by indicating to him whether it is safe to proceed. This modification, once implemented, will prevent this event from occurring again at this facility.



**Commonwealth Edison**

Quad Cities Nuclear Power Station  
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Cordova, Illinois 61242  
Telephone 309/654-2241

NJK-84-257

August 30, 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 (LER) 84-007, 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)(iv), to inform you of the corrective actions taken due to the Unit Two scram caused by the #4 Turbine Control Valve going fast closed.

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

IE22  
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