

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Quad-Cities Nuclear Power Station, Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 2 5 4 1				PAGE (3) 1 OF 2									
TITLE (4) Unit 1 'B' Fuel Pool Monitor Spiked High Auto-Starting Standby Gas Treatment																							
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 NA				DOCKET NUMBER(S) 0 5 0 0 0										
0	9	2	2	8	4	8	4	0	1	8	0	1	1	0	1	6	8	4	0	5	0	0	0
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) 01919		20.402(b)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)									
		20.406(a)(1)(i)				50.36(c)(1)				<input type="checkbox"/> 50.73(a)(2)(v)				73.71(c)									
		20.406(a)(1)(ii)				50.36(c)(2)				<input type="checkbox"/> 50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
		20.406(a)(1)(iii)				50.73(a)(2)(i)				<input type="checkbox"/> 50.73(a)(2)(vii)(A)													
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				<input type="checkbox"/> 50.73(a)(2)(vii)(B)													
		20.406(a)(1)(v)				50.73(a)(2)(iii)				<input type="checkbox"/> 50.73(a)(2)(ix)													
LICENSEE CONTACT FOR THIS LER (12)																							
NAME D. Wilgus										TELEPHONE NUMBER 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 NPD		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD													
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR									
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO													

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

On September 22, 1984, at 11:50 p.m., Unit One was at approximately 99 percent thermal power. The Reactor Building Fuel Pool Channel B Area Radiation Monitor momentarily spiked to 200 mR/hour, tripping the Reactor Building Ventilation (VA) and starting the Standby Gas Treatment System (BH). The monitor operated satisfactorily when checked. A survey was conducted by the Radiation Protection Department and no abnormal radiation levels were found on the Refuel Floor. The Reactor Building Ventilation and Standby Gas Treatment were returned to normal. No corrective actions were taken because the cause of the spiking was not known. The same problem occurred again on September 24, 1984, at 10:30 a.m.

This revision, 01, of Licensee Event Report 84-18 was initiated to document these two identical events which occurred on September 22, 1984, and September 24, 1984.

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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)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Quad-Cities Nuclear Power Station, Unit 1	0500025484	—	018	—	010	2	OF 02

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

Event Description

On September 22, 1984, at 11:50 p.m., both Unit One and Unit Two were at approximately 99 percent power. The Reactor Building Fuel Pool Channel B Area Radiation Monitor (IL), 1705-16B, spiked to 200 mR/hour tripping the Reactor Building Ventilation (VA) and starting the Standby Gas Treatment System (BH). The Radiation Protection Department was notified to make a survey of the Refuel Floor. No abnormal radiation levels were found on the Refuel Floor during the survey. The Reactor Building Ventilation System was returned to normal and Standby Gas Treatment System was secured. There are no safety implications because all systems performed as designed after the spurious signal from the Area Radiation Monitor. This report is being submitted to satisfy the requirements outlined in 10 CFR 50.73(a)(2)(iv).

Cause

The root cause of the spiking could not be determined. The equipment operated satisfactorily when checked. There were no unusual environmental characteristics on the Refuel Floor during the survey conducted after the occurrence by Radiation Protection Department.

Corrective Action

Because the cause of the spiking could not be determined, no corrective actions were taken. The Unit One 'B' Fuel Pool Monitor spiked high again on September 24, 1984. It was reset promptly and has functioned satisfactorily since.

The Fuel Pool Monitors have failed infrequently in the past. These were the only instances when the monitor spiked high momentarily and did not fail.



Commonwealth Edison

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NJK-84-324

October 16, 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 Supplemental Report to Licensee Event
Report (LER) 84-18, Revision 1, 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)-
(iv), which requires reporting of any event or condition that
resulted in manual or automatic actuation of any Engineered Safety
Feature.

Respectfully,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

L. J. Kalivianakis

N. J. Kalivianakis
Station Superintendent

NJK:HQD/bb

Enclosure

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

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