

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) PLAD-CITIES UNIT ONE										DOCKET NUMBER (2) 0 5 0 0 0 2 5 4 1 OF 0 1									
TITLE (4) UNIT ONE REACTOR SCRAM																			
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 NAME						DOCKET NUMBER(S)				
0 6	1 5	8 4	8 4	0 1	1	0 6	2 6	8 4	N/A						0 5 0 0 0				
OPERATING MODE (9) 1						THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5 (Check one or more of the following) (11):													
POWER LEVEL (10) 0 0 0 0						20.402(a)				20.406(a)				30.73(a)(2)(iv)				73.71(b)	
						20.406(a)(1)(i)				30.38(a)(1)				30.73(a)(2)(vi)				73.71(c)	
						20.406(a)(1)(ii)				30.38(a)(2)				30.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text NRC Form 305A)	
						20.406(a)(1)(iii)				30.73(a)(2)(iii)				30.73(a)(2)(viii)(A)					
						20.406(a)(1)(iv)				30.73(a)(2)(iv)				30.73(a)(2)(viii)(B)					
						20.406(a)(1)(v)				30.73(a)(2)(v)				30.73(a)(2)(ix)					
LICENSEE CONTACT FOR THIS LER (12)																			
NAME DAVE KIMLER										TELEPHONE NUMBER AREA CODE 3 0 9 6 5 4 - 2 2 4 1									
TECHNICAL STAFF ENGINEER										ext. 192									
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																			
CAUSE	SYSTEM	COMPONENT	MANUFAC. TURNER	REPORTABLE TO NRCDS	CAUSE	SYSTEM	COMPONENT	MANUFAC. TURNER	REPORTABLE TO NRCDS	CAUSE	SYSTEM	COMPONENT	MANUFAC. TURNER	REPORTABLE TO NRCDS	CAUSE	SYSTEM	COMPONENT	MANUFAC. TURNER	REPORTABLE TO NRCDS
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)									
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO									
ABSTRACT (16) (If not, check box) (17) (If not, check box) (18) (If not, check box) (19) (If not, check box) (20) (If not, check box)																			

On June 15, 1984, Unit One was in the shutdown mode with no fuel in the vessel. At 1200 hours Bus 13-1 tripped. This caused a channel "A" half-scrum due to the fact that the main feed to the LA RPS MG set was now lost. An Equipment Operator was sent to transfer the LA RPS MG set to its reserve feed so the half-scrum signal could be cleared. Instead, the Equipment Operator transferred the LB RPS MG set to its reserve feed, giving a Channel "B" half-scrum and causing an RPS system trip. Immediate corrective action was to restore power to the LB RPS MG set and put the LA MG set on its reserve feed so that the scrum signal could be cleared. Further action will be to more clearly label the respective NORMAL and RESERVE feed breakers "LA RPS" and "LB RPS" respectively. This should eliminate any confusion as to which channel's feeds are being manipulated.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/95

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

TEXT (if more space is required, use additional NRC Form 308A, p. 117.)

Event Description

During the refueling outage on June 15, 1984, Unit One was in the SHUTDOWN mode with no fuel in the vessel. At 1200 hours Bus 13-1 tripped. Channel 'A' of the Reactor Protection System (RPS) received a one-half scram. An investigation into the Bus 13-1 trip was immediately initiated. At the same time, an Equipment Operator was dispatched to switch the 1A RPS feed from Bus 18, which is fed from Bus 13-1, to Bus 15. Soon after this, at 1245 hours, the 'B' RPS Channel received a one-half scram, thus initiating a full Reactor scram. Due to the fact that there was no fuel in the vessel and that the RPS system performed as designed, there were no adverse safety consequences attributed to this event. This report is being submitted as required by 10 CFR 50.73(a)(2)(iv).

Cause

The root cause of this deviation was personnel error. The Equipment Operator switching the 1A RPS feed from Bus 18 to Bus 15 made the error. In attempting to open the breaker from Bus 18 to the 1A RPS MG Set, he instead opened the breaker from Bus 19 to the 1B RPS MG Set. This tripped the 1B RPS Channel and initiated the 'B' Channel one-half scram. With both the 'A' Channel and 'B' Channel receiving a one-half scram, a full Reactor scram followed. The cause of Bus 13-1 tripping was found to be a wire at Bus 13-1, Cubicle 2, from XG7 to terminal 11 of relay 127B13-1X4, being pinched in the cubicle door hinge. This caused an inadvertent ground and tripped Bus 13-1.

Corrective Action

The immediate corrective action taken was to restore power to the 'B' RPS Channel from Bus 19, as well as to the 'A' RPS Channel from Bus 15. Future action will consist of better labeling the respective NORMAL and RESERVE breakers 1A RPS and 1B RPS. This will eliminate any confusion as to which channel is being manipulated. The corrective action taken to restore Bus 13-1 was to repair the faulty wire. Upon completion of repairs, the ground signal was cleared and the Bus was returned to normal operation. The work on Bus 13-1 was performed under Work Request Q35700. This is the first Reactor scram, due to personnel error involving the RPS, documented at Quad-Cities Station.



Commonwealth Edison

DEVIATION REPORT

DUR NO

4 - 1 - 84 - 32
STA UNIT YEAR NO

PT 1 TITLE OF DEVIATION

V-1 EX SCRAM

OCCURRED

6-15-84

1245

DATE

TIME

SYSTEM AFFECTED

RPS 500

PLANT STATUS AT TIME OF EVENT

MODE SHUTDOWN POWER(2) 0

035700

TESTING

☐ YES ☒ NO

WORK REQUEST NO.

DESCRIPTION OF EVENT

At 1200 BUS 13-1 WAS LOST. NO REASON FOR TRIP WAS FOUND. RECEIVED CHANNEL A 1/2
SCRAM. IN TRYING TO RESET SCRAM WE RECEIVED A FULL SCRAM. MADE RED PHONE CALL PER

10-CFR 50.72(B)(2)(11)

POTENTIALLY SIGNIFICANT EVENT PER MSD DIRECTIVE A-07

☐ YES ☒ NO10CFR50.72 MRC RED PHONE
NOTIFICATION MADE☐ 1 HOUR☒ 4 HOUR

1420

☐ NO

TIME

RESPONSIBLE SUPERVISOR R.J. Walsh DATE 6-15-84

PART 2 OPERATING ENGINEER'S COMMENTS

INVESTIGATION INTO THE BUS TRIP HAS BEEN INITIATED. RPS PERFORMED AS DESIGNED

NO AFFECT ON PLANT SAFETY.

☐ NON-REPORTABLE EVENT☒ 30 DAY REPORTABLE/10CFR☐ 5 DAY REPORT PER 10CFR21☐ ANNUAL/SPECIAL REPORT REQUIRED

NOTIFICATION

REGION III

DATE

TIME

MSD

DATE

TIME

☐ CECO CORPORATE NOTIFICATION MADE
IF ABOVE NOTIFICATION IS PER 10CFR21

TELECOPY

CECO CORPORATE OFFICER

DATE

TIME

PRELIMINARY REPORT
COMPLETED AND REVIEWED

G. TIETZ

6-15-84

OPERATING ENGINEER

DATE

INVESTIGATION REPORT & RESOLUTION
ACCEPTED BY STATION REVIEW

D.B. Cook

G. Tietz

RESOLUTION APPROVED AND
AUTHORIZED FOR DISTRIBUTION
STATION SUPERINTENDENT7/11/84
DATE

(Form 15-52-1)

1-84



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

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840718 RAN

July 6, 1984

CGM

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

KI

Reference: Quad-Cities Nuclear Power Station
 Docket Number 50-254, DPR-29, Unit One

Enclosed please find Licensee Event Report Number LER 84-11 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) (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

N. J. Kalivianakis

N. J. Kalivianakis
 Station Superintendent

NJK: DBC/RE

Enclosure

cc: L. Sygar
 A. Marroncelli
 INPP Records Center
 NRC Region II
 AN: L. Sygar

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 1/1
 '84 RETROFIT