(7-77)	LICENSEE EVENT REPORT
	CONTROL BLOCK:
	I I
	REPORT L 6 0 5 0 0 0 2 5 4 0 0 9 1 5 8 3 3 1 0 0 4 8 3 9 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80
0121	EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) While performing QOS 201-1, "Manual Operation of Electromatic Relief Valves", the
[0]2]	Target Rock valve, 1-203-3A, became stuck in the open position. All Reactor para-
	meters indicated the valve had partially closed, but was not fully seated. The
	Reactor was at approximately 21 percent thermal power and under preparation for
05	shutdown for a scheduled Maintenance Outage. The probable consequences are
0 6	i i i i i i i i i i i i i i i i i i i
0 7	minimized because the Reactor was promptly tripped as per Station procedures. The
C 8 7 8	valve closed about 15 minutes later and no thermal limits were exceeded.
09 78	CODE CODE CODE CODE COMPONENT CODE SUBCODE SUB
	TT REPORT NO. CODE TYPE NO.
	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
	CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27
10	The cause of this occurrence is attributed to the larget Rock valve having an
1 1	eroded second stage pilot seat. The valve was replaced and tested satisfactorily,
1 2	on September 22, 1983.
1 3	L
14 7 8	9
15	FACILITY STATUS Spower OTHER STATUS Image: Status OF Discovery description Image: Status 9 10 12 12 13 44 45 46 0 <
1 6 7 8	ELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36 2 33 Z 34 NA NA NA 85 NA 80
17 78	NUMBER TYPE DESCRIPTION 39 9 11 12 13 80
19	LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION NA
20	PUBLICITY ISSUED DESCRIPTION (45) B310170271 B31004 PDR ADDCK 05000254 PDR DR PDR INC USE ONLY
3 8	NAME OF PREPARER D Cook PHONE 309-654-2241, ext 178 3

- 1. LER NUMBER: 83-35/03L-0
- II. LICENSEE NAME: Commonwealth Edison Company Quad-Cities Nuclear Power Station
- III. FACILITY NAME: Unit One
- IV. DOCKET NUMBER: 050-254
- V. EVENT DESCRIPTION:

On September 15, 1983, Unit One was in the RUN mode at O MWe and 548 MWt. An orderly shutdown was in progress for a scheduled Maintenance Outage. At 12:26 a.m., while performing QOS 201-1, "Manual Operation of Electromatic Relief Valves", the Target Rock Safety/Relief Valve, 1-203-3A, became stuck in the open position. Despite repeated attempts to close the valve, with the control switch, it remained open. At 12:29 a.m. the Reactor was manually scrammed in accordance with abnormal procedure QOA 201-2, "Failure of a Relief Valve to Close or Seat Properly". The valve finally seated itself at 12:40 a.m. during which time Reactor pressure decreased from 920 psig to 360 psig. As soon as it was determined the valve was stuck open, a GSEP "Unusual Event" was declared. The GSEP condition was terminated when the valve properly seated. All Technical Specification thermal limits were within acceptable values.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The consequences of this event were minimal. The inability to close the valve was identified immediately, and the event was promptly terminated by manually tripping the Reaccor in accordance with approved Station procedures.

During this event, Suppression Pool temperature went from 92° to 101°F. There was no radiological release. The Automatic Depressurization System function of this valve was operable at all times.

VII. CAUSE:

15%

During the Maintenance Outage, the valve was removed and inspected. It was found that the second stage pilot seat had eroded slightly, allowing the steam above the piston to escape and thus permitting the valve to remain open (see attached drawing).

VIII. CORRECTIVE ACTION:

The Target Rock Safety/Relief Valve was replaced with a rebuilt likefor-like replacement. The valve was functionally tested successfully at 2:15 a.m. on September 22, 1983, and no further corrective action is deemed necessary. There has not been a previous failure of this type with the Target Rock Safe:y/Relief Valve at this facility. The Target Rock is a three-stage, Model 67F valve.



OUTLET

HIGH PRESSURE

Figure 3. Valve Schematic (Open)



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

NJK-83-355

October 5, 1983

J. Keppler, Regional Administrator Office of Inspection and Inspection Region III U. S. Nuclear Regulatory Commission 799 Roosevelt Road Glen Ellyn, IL 60137

Reference: Quad-Cities Nuclear Power Station Docket Number 50-254, DPR-29, Unit One Appendix A, Sections 3.5.D and 6.6.B.2.b

Enclosed please find Reportable Occurrence Report Number RO 83-35/03L-0 for Quad-Cities Nuclear Power Station.

DMB

OCT 1 3 1983

TERN

This report is submitted to you in accordance with the requirements of Technical Specification 6.6.B.2.b, as a condition leading to plant shutdown required by a limiting condition for operation.

Respectfully,

COMMONWEALTH EDISON COMPANY QUAD-CITIES NUCLEAR POWER STATION

afentilal

N. J. Kalivianakis Station Superintendent

NJK: JRW/bb

Enclosure

cc B. Rybak A. Morrongiello INPO Records Center