

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'TEVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0	9	S	A	11	E	12	B	13	P	E	N	E	T	R	14	F	15	Z	16					
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26					
LER RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.														
17	8	3	—	0	3	6	—	0	3	L	—	0												
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER								
A	18	A	19	C	20	Z	21	0	0	1	4	Y	23	N	24	A	25	B	3	8	7	26		
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55		
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)																								

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PDR ADOCK 05000254
S PDR

PHONE 309-654-2241, Ext. 183

- I. LER NUMBER: LER/RO 83-36/03L-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:

At 1331 hours on September 20, 1983, Unit One was in the START-UP mode and subcritical; and Unit Two was shut down for refueling, with fuel moves in progress. At this time, during the performance of QTS 170-1, Surveillance of Penetration Fire Stops, it was discovered that the penetration boot on the 1 "D" Main Steam Line between the steam tunnel and the turbine pipe way (penetration MK 110) was ripped and the urethane fill was missing. This was contrary to the requirements specified in Technical Specification 3.7.C.1.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The boot and fill material are designed to function as a fire stop and a Secondary Containment boundary. Since the Secondary Containment Capability Test had been successfully performed recently, the effect of the failed boot on Secondary Containment Integrity was minimal. And, although the fill was not present, the boot material was sufficient to act as a fire barrier.

VII. CAUSE:

The root cause of the failed rubber boot is attributed to extended heat exposure and normal wear. A contributing cause to this event is the fact that the urethane foam was not installed during initial construction. This caused the rubber boot to be exposed to higher temperatures than it otherwise would have experienced. The original boot consisted of cohrlastic silicone rubber 1/16" thick supplied by Brand Insulation, Inc.

VIII. CORRECTIVE ACTION:

When the rip was discovered, the Unit One Start-Up was terminated and the unit was maintained subcritical and below 212° F. Also, the fuel moves on Unit Two were halted until the Unit One steam tunnel could be isolated from the Unit One Reactor Building. The other three main steam line penetrations on Unit One and the four on Unit Two were checked and found to be intact.

The boot was replaced with Silicone Rubber fabric SGR 600 from Brand Industrial Services, Inc. This material is flame retardant. A work request was written to have the rigid urethane foam installed in any of the main steam line fire barriers that do not presently have it.

The performance of the Secondary Containment Capability Test approximately once per year and the Surveillance of Penetration Fire Stops once per year is deemed sufficient to identify a similar occurrence.



Commonwealth Edison

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DMB

NJK-83-374

October 18, 1983

J. Keppler, Regional Administrator
Office of Inspection and Enforcement
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, Section 3.7.C.1

Enclosed please find Reportable Occurrence Report Number RO 83-36/03L-0
for Quad Cities Nuclear Power Station.

This report is submitted to you in accordance with the requirements of
Technical Specification 6.6.B.2.b, conditions leading to operation in
a degraded mode permitted by a limiting condition for operation.

Respectfully,

COMMONWEALTH EDISON COMPANY
QUAD CITIES NUCLEAR POWER STATION

L. J. Gerner for
N. J. Kalivianakis
Station Superintendent

NJK/DGC/cmd

Enclosures

cc: B. Rybak
A. Morrongiello
INPO-Records Center

OCT 24 1983

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