# LICENSEE EVENT REPORT

	CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)
0 1 7 8	
CON'T	SOURCE L 6 0 5 0 0 0 2 5 4 7 0 9 2 0 8 3 8 1 0 1 8 8 3 9  EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
0 2	At 1331 hours on September 20, 1983, while performing the Surveillance of Penetration
0 3	Fire Stops, QTS 170-1, it was discovered that the ventilation and fire stop boot on the
0 4	["1D" Main Steam Line penetration (MK 110) out of the secondary containment was ripped.]
0 5	[This is contrary to the requirements of cified in Technical Specification 3.7.C.l. The]
06	secondary containment capability test had recently been performed; therefore, contain-
0 7	ment integrity was maintained. The Unit One startup was terminated while still sub-
0 3 7 8	Passure secondary containment integrity.  STORE CODE CODE SUBCODE COMPONENT CODE SUBCODE SUBCODE
0 9	S A 11 E 12 B 13 P E N E T R 14 F 15 Z 16
	LER RO EVENT YEAR REPORT NO.  17 REPORT NUMBER 21 22 23 24 26 27 28 29 30 31 32
	ACTION FUTURE EFFECT SHUTDOWN HOURS 22 ATTACHMENT NPRD-4 PRIME COMIP COMPONENT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE ON PLANT METHOD HOURS 22 ATTACHMENT FORM SUB. SUPPLIER MANUFACTURER  ACTION FUTURE FUT
10	The boot apparently ripped due to extended exposure to heat and normal wear. The missing
	urethane foam fill material had apparently never been installed since initial construction
1 2	[The boot was replaced with a fire retardant silicone rubber boot and urethane foam fill]
1 3	will be installed where needed when it is available. The remaining boots on Unit One
14	land the boots on Unit Two were inspected and were found to be satisfactory.
1 5	STATUS SPOWER OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32  C 28 0 0 0 0 29 NA B 31 Penetration Firestop Inspection  9 10 12 13 44 45 31 Penetration Firestop Inspection 80
	CTIVITY CONTENT ELEASED OF RELEASE AMOUNT OF ACTIVITY 35
7 8	Z 33 Z 34 NA
1 7	NUMBER   TYPE   DESCRIPTION (39)   NA   NA   50
18	PERSONNEL INJURIES NUMBER DESCRIPTION 41
7 8	B 11 12 EO LOSS OF OR DAMAGE TO FACILITY (43)
1 9	Z 42 NA
20	PUBLICITY   SSUED   DESCRIPTION (45)   B310270400   B31018   PDR   ADOCK   O5000254   PDR   SSUED   PDR   SSUED   SSUE
	NAME OF PREPARER _ A. Fuhs

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:

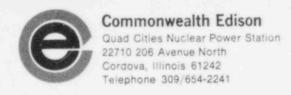
The root cause of the failed rubber boot is attributed to extended heat exposure and normal wear. A contributing cause to this event is the fact that the urethane foam was not installed during initial construction. This caused the rubber boot to be exposed to higher temperatures than it otherwise would 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 parriers 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.



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: Ouad 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

N. J. Kalivianakis Station Superintendent

NJK/DGC/cmd

Enclosures

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

OCT 2 4 1983