Commonwealth Edison
Quad-Cities Nuclear Power Station
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IE FILE COPY

NJK-76-386

October 22, 1976

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

Reference: Quad-Cities Nuclear Power Station
Docket No. 50-265, DPR-30, Unit 2
Appendix A, Sections 3.6.1.4., 6.6.B.2.b

Enclosed please find Reportable Occurrence Report No. RO 50-265/76-14 for Quad-Cities Nuclear Power Station.

This report is submitted to you in accordance with the requirements of Technical Specification 6.6.B.2.

Very truly yours,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis
Station Superintendent

NJK/TPJ/vmb

cc: G. A. Abrell

OCT 25 1976

LICENSEE EVENT REPORT

CONTROL BLOCK: (1–6) (PLEASE PRINT ALL REQUIRED INFORMATION)

	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01	ILQAD2 (7–8, 9–14)	00-00000-00 (15–25)	4111 (26–30)	03 (31–32)

	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 CON'T	(57–58)	L (59)	L (60)	050-0265 (61–68)	092276 (69–74)	102276 (75–80)

EVENT DESCRIPTION

02 During routine inspection surveillance of Unit 2 Hydraulic Snubbers on September 22,
03 1976, three Grinnell snubbers and one Bergen-Patterson snubber were found to have
04 empty oil reservoirs. Work request 3529-76 was issued to repair and refill these
05 defective snubbers. All other snubbers that were inspected on Unit 2 had satisfactory
06 fluid levels. The following snubbers were found empty: See Attached

	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07	XX (9–10)	E (11)	HANGER (12–17)	A (43)	G257 B2107 (44–47)	N (48)

CAUSE DESCRIPTION

08 (Proximate Cause-Equipment Failure) Upon inspection, all four snubbers were found to
09 have oil leakage around the shafts through the "O" rings. The rings were observed to
10 be dried out and cracked in several places.

	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11	H (9)	000 (10–12)	NA (13–44)	B (45)	Routine Inspection Surveillance (46–80)

	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12	Z (9)	Z (10)	NA (11–44)	NA (45–80)

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13	000 (9–11)	Z (12)	NA (13–80)

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14	000 (9–11)	NA (12–80)

OFFSITE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16	Z (9)	NA (10–80)

PUBLICITY

17 NA

ADDITIONAL FACTORS

18

19

NAME: Thomas Joyce PHONE: 309-654-2241 Ext. 247

GPO 881-667

Grinnell Serial No. 4754: Located on line 2-1307-3", Reactor Core Isolation Cooling (RCIC) System steam supply.

Grinnell Serial No. 4750: Located on line 2-1202-6", Reactor Water Cleanup System suction.

Grinnell Serial No. 4753: Located on line 2-1202-6", Reactor Water Cleanup System suction.

Bergen-Patterson Mark No. 180: Located on Residual Heat Removal (RHR) System "B" return loop to the reactor vessel.

Hydraulic snubbers are designed to prevent unrestrained pipe motion under dynamic loads as might occur during an earthquake or severe transient. Since snubbers are only required to operate during low-probability events, a time period of 72 hours is allowed for repair or replacement while the unit is operating at power. Since these snubbers did not result in any system piping failure, and did not cause any components to be rendered inoperable, the safety implications of this occurrence are minimal. Since there were no releases to the environs, the health and safety of the public were not effected due to this occurrence.

CORRECTIVE ACTION TO PREVENT RECURRENCE

Each of the failed snubbers was removed and subsequently rebuilt with new "O" rings. The fluid reservoirs of these snubbers were refilled, and no leakage was observed. The snubbers were then re-installed in their designated locations. This corrective action should be adequate to prevent recurrence of future leakage problems with respect to these snubbers.

FAILURE DATA

There have been previous problems with leaking hydraulic snubbers. None of these failures have resulted in any hazard to the public nor jeopardized the safe operation of the facility. The purpose of the periodic inspection is to discover the problems and perform corrective action on a timely basis, so continued safe plant operation may take place.