

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

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REPORT SOURCE

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60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 On November 7, 1983, while performing the Unit 2 'A' 24/48 Volt Battery Discharge
03 Test, QTS 120-5, the battery failed to meet its rated load capacity. The battery
04 discharge test was being performed to comply with the requirements of Technical
05 Specification 4.9.B.3. Although the actual battery capacity was calculated to be
06 42 percent, the battery could have supplied the normal operating load for
07 approximately seven hours. The '2B' battery was determined to be fully operable and
08 capable of supplying the rated load to one-half of the neutron monitoring system.
7 8 9

SYSTEM CODE E C 11		CAUSE CODE E 12		CAUSE SUBCODE F 13		COMPONENT CODE B A T T R Y 14		COMP. SUBCODE Z 15		VALVE SUBCODE Z 16							
EVENT YEAR 18 3		SEQUENTIAL REPORT NO. 0 1 9		OCCURRENCE CODE 0 3		REPORT TYPE L		REVISION NO. 0									
ACTION TAKEN C 18		FUTURE ACTION Z 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22		ATTACHMENT SUBMITTED Y 23		NPRD-4 FORM SUB. Y 24		PRIME COMP. SUPPLIER A 25		COMPONENT MANUFACTURER G 1 8 5 26	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The cause of this occurrence is the end of service life for the battery. In the past

1 1 | three years, 10 weak cells have been replaced to maintain the battery operable. As

1 2 | previously scheduled, both the '2A' and '2B' batteries are being replaced with

1 3 | Gould type 2MCX-190 with a higher ampere-hour rating. The Unit One 24/48 Volt

1 4 | Batteries were replaced during the last refuel outage.

8 9
FACILITY STATUS (28) H
% POWER (29) 0 0 0
OTHER STATUS (30) NA
METHOD OF DISCOVERY (31) B Battery Discharge Test
DISCOVERY DESCRIPTION (32)
ACTIVITY CONTENT
RELEASED OF RELEASE
AMOUNT OF ACTIVITY (35) NA
LOCATION OF RELEASE (36) NA

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
000	(37) Z	(38) NA (39)

PERSONNEL INJURIES
NUMBER DESCRIPTION (41)
1 8 0 0 0 40 NA
8312150146 631202
PDR ADPOCK 05000245

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PUBLICITY
 ISSUED (44) DESCRIPTION (45) NA
 7 8 9 10 68 69 80

NAME OF PREPARER F Kaeppe1 PHONE 309-654-2241, ext 171

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8312150146 631202
PDR ADOCK 05000265
S PDR

- I. LER NUMBER: LER/RO 83-19/03L-0
- II. LICENSEE NAME: Commonwealth Edison Company
Quad-Cities Nuclear Power Station
- III. FACILITY NAME: Unit Two
- IV. DOCKET NUMBER: 050-265
- V. EVENT DESCRIPTION:

On November 7, 1983, the Unit Two 24/48 Volt 'A' battery discharge test, QT3 120-5, was being performed. At approximately three hours into the test, the battery terminal voltage fell below the minimum specified value of 42 volts. After six hours the discharge test was stopped with a battery terminal voltage of 38.0 volts.

One year ago, the 1A2 24 Volt Battery failed its discharge test due to end of service life as reported in LER/RO 82-33/03L-0.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

From the data taken during the discharge test, the capacity of the 2A 48 volt battery was calculated to be 42 percent of rated capacity. Although the test discharge rate is 10 amperes, the equipment load on the battery is typically 6 amperes. Therefore, had the need arisen, the 2A 48 Volt Battery could have supplied the normal operating load for about 7 hours.

The Unit Two neutron monitoring system is supplied by the 2A and 2B 48 Volt Batteries. Loss of either battery would render only half of the system inoperable. Since the 2B battery passed its discharge test, half of the neutron monitoring system would have operated for the designed 8 hours.

VII. CAUSE:

The cause of this deviation is that the 2A 48 Volt Battery has reached the end of its service life. The battery is comprised of Gould type DPR-9 cells of 80 ampere-hour capacity. Fourteen of these are the original cells installed in 1968; the remaining ten cells are replacements that have been installed in the last three years.

VIII. CORRECTIVE ACTION:

As previously scheduled, both the 2A and 2B 48 Volt Batteries will be replaced during the current Unit Two Refuel Outage. The new cells will be Gould type 2MCX-190 of 190 ampere-hour capacity. The Unit One 24/48 Volt Batteries were replaced during the last refuel outage.



Commonwealth Edison

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

DMB

NJK-83-450

December 2, 1983

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

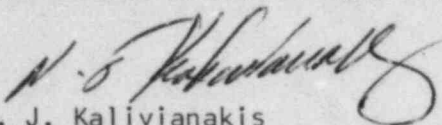
Reference: Quad-Cities Nuclear Power Station
Docket Number 50-265, DPR-30, Unit Two
Appendix A, Section 4.9.B.3

Enclosed please find Reportable Occurrence Report Number RO 83-19/03L-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, 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/bb

Enclosure

cc B. Rybak
A. Morrongiello
INPO Records Center

DEC - 8 1983

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