

Commonwealth Edison Company  
Quad Cities Generating Station  
22710 206th Avenue North  
Cordova, IL 61242-9740  
Tel 309-654-2241



June 13, 2000

SVP-00-093

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555-0001

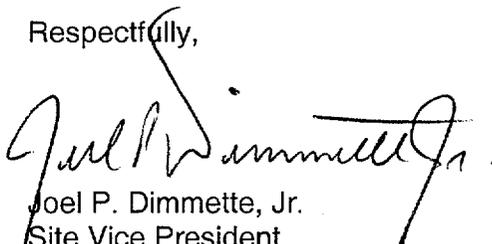
Quad Cities Nuclear Power Station, Units 1 and 2  
Facility Operating License Nos. DPR-29 and DPR-30  
NRC Docket Nos. 50-254 and 50-265

Subject: Monthly Operating Report

In accordance with Generic Letter 97-02 and Technical Specification 6.9.5, "Monthly Operating Reports," we are submitting the Monthly Operating Report for Quad Cities Nuclear Power Station, Units 1 and 2. This report covers the period of May 1, 2000 to May 31, 2000.

Should you have any questions concerning this letter, please contact Mr. C.C. Peterson at (309) 654-2241, extension 3609.

Respectfully,



Joel P. Dimmette, Jr.  
Site Vice President  
Quad Cities Nuclear Power Station

Attachment

cc: Regional Administrator – NRC Region III  
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station

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ATTACHMENT

QUAD CITIES NUCLEAR POWER STATION UNITS 1 AND 2  
MONTHLY OPERATING REPORT

COMMONWEALTH EDISON COMPANY

AND

MIDAMERICAN ENERGY COMPANY

FACILITY OPERATING LICENSE NOS. DPR-29 AND DPR-30

NRC DOCKET NOS. 50-254 AND 50-265

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## I. INTRODUCTION

Quad Cities Nuclear Power Station is composed of two Boiling Water Reactors and Steam Turbine/Generators, each with a Maximum Dependable Capacity of 769 MWe Net, located in Cordova, Illinois. The Station is jointly owned by Commonwealth Edison Company and MidAmerican Energy Company. The Nuclear Steam Supply Systems are General Electric Company Boiling Water Reactors. The Architect/ Engineer was Sargent & Lundy, Incorporated, and the primary construction contractor was United Engineers & Constructors. The Mississippi River is the condenser cooling water source. The plant is subject to license numbers DPR-29 and DPR-30, issued October 1, 1971, and March 21, 1972, respectively; pursuant to Docket Numbers 50-254 and 50-265. The date of initial Reactor criticalities for Units One and Two, respectively were October 18, 1971, and April 26, 1972. Commercial generation of power began on March 18, 1973 for Unit One and March 10, 1973 for Unit Two.

This report was compiled by Lynne Hamilton and Debra Kelley, telephone number 309-654-2241, extensions 3114 and 2240, respectively.

## II. SUMMARY OF OPERATING EXPERIENCE

### A. Unit One

Quad Cities Unit One began the month of May operating at full power. Unit One operated throughout the month at full power with minor down power operations for normal maintenance and surveillance testing.

### B. Unit Two

Quad Cities Unit Two began the month of May operating at full power. On May 5, 2000, at 9:40 a.m., Unit Two scrambled while performing a scheduled surveillance of the Main Steam High Flow Instrument that resulted in a Group I Isolation. On May 6, 2000, at 7:12 a.m., Unit Two went critical and at 3:58 p.m., the main generator was synchronized to the grid. Full power was achieved on May 7, 2000.

On May 22, 2000, at 9:59 p.m., Unit Two reactor scram was received during Return to Service activities on the Main Turbine #1 Control Valve Fast Acting Solenoid. The RPS signal received was "APRM High-High". On May 24, at 3:28 a.m., Unit Two went critical and at 10:51 a.m., the main generator was synchronized to the grid. Full power was achieved on May 25. Unit Two operated throughout the remainder of the month at full power with minor down power operations for normal maintenance and surveillance testing.

### III. OPERATING DATA STATISTICS

#### A. Unit One Operating Data Report for May 2000

DOCKET NO.: 50-254  
 DATE: June 13, 2000  
 COMPLETED BY: Lynne Hamilton  
 TELEPHONE: (309) 654-2241

#### **OPERATING STATUS**

- 0000 050100
1. REPORTING PERIOD: 2400 053100 GROSS HOURS IN REPORTING PERIOD: 744
  2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2511 MAX. DEPEND. CAPACITY: 769  
 DESIGN ELECTRICAL RATING (MWe-NET): 789

UNIT ONE	THIS MONTH	YTD	CUMULATIVE
3. NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.00	3647.00	188689.30
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	3421.90
5. HOURS GENERATOR ON-LINE	744.00	3647.00	183452.60
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	909.20
7. GROSS THERMAL ENERGY GENERATED (MWH)	1865031.36	9121859.76	405305578.20
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	601105.00	2960783.00	131164295.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	573880.00	2833502.00	118468944.00
10. REACTOR SERVICE FACTOR	100.00	100.00	76.50
11. REACTOR AVAILABILITY FACTOR	100.00	100.00	77.89
12. UNIT SERVICE FACTOR	100.00	100.00	74.38
13. UNIT AVAILABILITY FACTOR	100.00	100.00	74.75
14. UNIT CAPACITY FACTOR (Using MDC)	100.30	101.03	62.46
15. UNIT CAPACITY FACTOR (Using Design MWe)	97.76	98.47	60.88
16. UNIT FORCED OUTAGE RATE	0.00	0.00	6.68

### III. OPERATING DATA STATISTICS

#### B. Unit Two Operating Data Report for May 2000

DOCKET NO.: 50-265  
 DATE: June 13, 2000  
 COMPLETED BY: Lynne Hamilton  
 TELEPHONE: (309) 654-2241

#### OPERATING STATUS

0000 050100

1. REPORTING PERIOD: 2400 053100 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2511 MAX. DEPEND. CAPACITY: 769  
 DESIGN ELECTRICAL RATING (MWe-NET): 789

UNIT TWO	THIS MONTH	YTD	CUMULATIVE
3. NUMBER OF HOURS THE REACTOR WAS CRITICAL	693.00	3100.20	181328.60
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	2985.80
5. HOURS GENERATOR ON-LINE	676.90	3053.10	176657.15
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	702.90
7. GROSS THERMAL ENERGY GENERATED (MWH)	1639500.96	7358075.04	389454782.94
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	534063.00	2401059.00	125008574.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	512312.00	2303476.00	118667208.00
10. REACTOR SERVICE FACTOR	93.15	85.01	73.99
11. REACTOR AVAILABILITY FACTOR	93.15	85.01	75.20
12. UNIT SERVICE FACTOR	90.98	83.72	72.08
13. UNIT AVAILABILITY FACTOR	90.98	83.72	72.37
14. UNIT CAPACITY FACTOR (Using MDC)	89.54	82.13	62.96
15. UNIT CAPACITY FACTOR (Using Design MWe)	87.27	80.05	61.37
16. UNIT FORCED OUTAGE RATE	9.02	2.15	10.35

#### IV. UNIT SHUTDOWNS

##### A. Unit One Shutdowns for May 2000

DOCKET NO.: 50-254  
DATE: June 13, 2000  
COMPLETED BY: Lynne Hamilton  
TELEPHONE: (309) 654-2241

No.	DATE	TYPE FOR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
						None for the month of May.

Legend:

(1) Reason

- A - Equipment Failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory Restriction
- E - Operator Training/License Examination
- F - Administrative
- G - Operational Error (Explain)
- H - Other (Explain)

(2) Method

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)

#### IV. UNIT SHUTDOWNS

##### B. Unit Two Shutdowns for May 2000

DOCKET NO.: 50-265  
 DATE: June 13, 2000  
 COMPLETED BY: Lynne Hamilton  
 TELEPHONE: (309) 654-2241

No.	DATE	TYPE F OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
2000-02	000505	F	30.3	B	3	Unit Two scrammed while performing a scheduled surveillance of the Main Steam High Flow Instrument that resulted in a Group I Isolation.
2000-03	000522	F	36.8	B	3	Unit Two reactor scram was received during Return to Service activities on the Main Turbine #1 Control Valve Fast Acting Solenoid. The RPS signal received was "APRM High-High".

Legend:

(1) Reason

- A - Equipment Failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory Restriction
- E - Operator Training/License Examination
- F - Administrative
- G - Operational Error (Explain)
- H - Other (Explain)

(2) Method

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)

V. AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

There were no Amendments to the Facility License or Technical Specifications for the reporting period.

## VI. UNIQUE REPORTING REQUIREMENTS

The following items are included in this report based on the requirements set forth in Technical Specification 6.9.A.5.

### A. Main Steam Relief Valve Operations

Relief valve operations during the reporting period are summarized in the following table. The table includes information as to which relief valve was actuated, how it was actuated, and the circumstances resulting in its actuation.

Unit: Two

Date: May 5, 2000

Valve Actuated:

No. & Type of Actuation:

2-0203-3B

1 Manual

2-0203-3C

1 Manual

Plant Conditions:

Reactor Pressure 1010 psig

Description of Events:

Valves were opened for Reactor Pressure Control in accordance with QCOP 0203-01 following the Unit 2 scram on May 5, 2000.