

Commonwealth Edison Company  
Quad Cities Generating Station  
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January 13, 2000

SVP-00-003

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 December 1, 1999 to December 31, 1999.

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

Respectfully,

A handwritten signature in cursive script that reads "Joel P. Dimmette, Jr." followed by a flourish.

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 February 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 December 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 December operating at full power. On December 15, 1999, Unit Two began coastdown at the end of Q2O15. Unit Two operated throughout the month with minor down power operations for normal maintenance and surveillance testing.

### III. OPERATING DATA STATISTICS

#### A. Unit One Operating Data Report for December 1999

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

**OPERATING STATUS**

- 0000 120199
1. REPORTING PERIOD: 2400 123199 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	8245.60	185042.30
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	3421.90
5. HOURS GENERATOR ON-LINE	744.00	8210.20	179805.60
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	909.20
7. GROSS THERMAL ENERGY GENERATED (MWH)	1859485.20	20435223.84	396183718.44
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	603846.00	6646169.00	128203512.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	576681.00	6337589.00	115635442.00
10. REACTOR SERVICE FACTOR	100.00	94.13	76.15
11. REACTOR AVAILABILITY FACTOR	100.00	94.13	77.56
12. UNIT SERVICE FACTOR	100.00	93.72	73.99
13. UNIT AVAILABILITY FACTOR	100.00	93.72	74.37
14. UNIT CAPACITY FACTOR (Using MDC)	100.79	94.08	61.88
15. UNIT CAPACITY FACTOR (Using Design MWe)	98.24	91.69	60.31
16. UNIT FORCED OUTAGE RATE	0.00	0.00	6.81

### III. OPERATING DATA STATISTICS

#### B. Unit Two Operating Data Report for December 1999

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

#### OPERATING STATUS

0000 120199

1. REPORTING PERIOD: 2400 123199 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	744.00	8561.80	178228.40
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	2985.80
5. HOURS GENERATOR ON-LINE	744.00	8537.30	173604.05
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	702.90
7. GROSS THERMAL ENERGY GENERATED (MWH)	1825412.16	21256625.04	382096707.90
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	590422.00	6858385.00	122607515.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	568177.00	6596688.00	116363732.00
10. REACTOR SERVICE FACTOR	100.00	97.74	73.82
11. REACTOR AVAILABILITY FACTOR	100.00	97.74	75.06
12. UNIT SERVICE FACTOR	100.00	97.46	71.90
13. UNIT AVAILABILITY FACTOR	100.00	97.46	72.20
14. UNIT CAPACITY FACTOR (Using MDC)	99.31	97.93	62.67
15. UNIT CAPACITY FACTOR (Using Design MWe)	96.79	95.44	61.09
16. UNIT FORCED OUTAGE RATE	0.00	0.00	10.49

#### IV. UNIT SHUTDOWNS

##### A. Unit One Shutdowns for December 1999

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

No.	DATE	TYPE F OR S	DURATION (HOURS)	REASO N	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
						None for the month of December.

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 December 1999

DOCKET NO.: 50-265  
DATE: January 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
						None for the month of December.

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

Technical Specification Amendment No. 191 was issued on November 30, 1999 to Facility Operating License No. DPR-29 for Quad Cities Nuclear Power Station, Unit 1.

The amendment revises the Technical Specifications by changing Surveillance Requirement 4.6.E.2 to allow a one-time extension of the 18-month requirement to pressure set test or replace one half of the Main Steam Safety Valves to an interval of 24 months.

Technical Specification Amendment No. 192 was issued on December 21, 1999 to Facility Operating License No. DPR-29 and Amendment No. 188 to Facility Operating License No. DPR-30 for Quad Cities Nuclear Power Station, Units 1 and 2, respectively.

The amendments revise Technical Specification 4.7.D.6 by replacing the leakage limit of 11.5 standard cubic feet per hour (scfh) for each main steam isolation valve (MSIV) with a limit of 46 scfh on the total combined leakage for the MSIVs of all four main steam lines.

## 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

There were no Relief Valve Operations during the reporting period.