

Commonwealth Edison Company
Quad Cities Generating Station
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SVP-99-123

June 9, 1999

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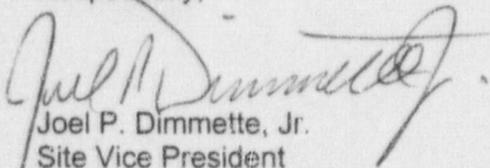
Quad Cities Nuclear Power Station, Units 1 and 2
Facility Operating License Nos. DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

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 May 1, 1999, to May 31, 1999.

Should you have any questions concerning this letter, please contact Mr. Wally Beck, Acting Regulatory Assurance Manager, at (309) 654-2241 extension 3100.

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 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 May with the reactor critical. The main generator was synchronized to the grid on May 1, 1999, at 6:05 a.m. On May 21, 1999, at 8:46 p.m., Unit 1 reactor auto-scrammed on Scram Discharge Volume (SDV) hi-hi level. The reason for the scram was the following: When the Reactor Water Cleanup system was restarted, it caused one or more relief valves to lift at their setpoint of 1450 psig. The hot water from the relief valves flashed to steam in the lines going to the Reactor Building Equipment Drain Tank (RBEDT) and also flowed into the SDV drain lines connected to the RBEDT header lines. This put steam into the SDV, causing the temperature sensing hi-hi level instruments to trip, which in turn caused the scram. On May 22, 1999, startup activities commenced. On May 23, 1999, at 5:41 a.m., Unit 1 went critical, and at 12:29 p.m., the generator was synchronized to the grid. Unit One operated throughout the remainder of the month at full power with minor down power operations for routine maintenance and surveillance testing.

B. Unit Two

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

III. OPERATING DATA STATISTICS

A. Unit One Operating Data Report for May 1999

DOCKET NO.: 50-254
DATE: June 9, 1999
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

OPERATING STATUS

0000 050199

1. REPORTING PERIOD: 2400 053199 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 2511 MAX > DEPEND > CAPACITY: 769
DESIGN ELECTRICAL RATING (MWe-NET): 789

	THIS MONTH	YEAR TO DATE	CUMULATIVE
3. NUMBER OF HOURS REACTOR WAS CRITICAL	711.10	3108.60	179905.30
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	3421.90
5. HOURS GENERATOR ON LINE	698.20	3073.20	174668.60
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	909.20
7. GROSS THERMAL ENERGY GENERATED (MWH)	1702734.00	7629966.00	383378460.60
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	555260.00	2493812.00	124051155.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	528506.00	2377057.00	111674910.00
10. REACTOR SERVICE FACTOR	95.58	85.80	75.63
11. REACTOR AVAILABILITY FACTOR	95.58	85.80	77.07
12. UNIT SERVICE FACTOR	93.84	84.82	73.43
13. UNIT AVAILABILITY FACTOR	93.84	84.82	73.82
14. UNIT CAPACITY FACTOR (Using MDC)	92.37	85.32	61.05
15. UNIT CAPACITY FACTOR (Using Design Mwe)	90.03	83.16	59.51
16. UNIT FORCED OUTAGE RATE	0.00	0.00	6.97

III. OPERATING DATA STATISTICS

B. Unit Two Operating Data Report for May 1999

DOCKET NO.: 50-265
DATE: June 9, 1999
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

OPERATING STATUS

0000 050199

1. REPORTING PERIOD: 2400 053199 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 2511 MAX > DEPEND > CAPACITY: 769
DESIGN ELECTRICAL RATING (MWe-NET): 789

	THIS MONTH	YEAR TO DATE	CUMULATIVE
3. NUMBER OF HOURS REACTOR WAS CRITICAL	744.00	3424.80	173021.90
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	2985.80
5. HOURS GENERATOR ON LINE	744.00	3400.30	168467.05
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	702.90
7. GROSS THERMAL ENERGY GENERATED (MWH)	1861517.52	8481749.28	369321832.14
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	603000.00	2749764.00	118498894.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	580036.00	2646748.00	112413792.00
10. REACTOR SERVICE FACTOR	100.00	94.53	73.22
11. REACTOR AVAILABILITY FACTOR	100.00	94.53	74.49
12. UNIT SERVICE FACTOR	100.00	93.85	71.29
13. UNIT AVAILABILITY FACTOR	100.00	93.85	71.59
14. UNIT CAPACITY FACTOR (Using MDC)	101.38	95.00	61.86
15. UNIT CAPACITY FACTOR (Using Design Mwe)	98.81	92.59	60.29
16. UNIT FORCED OUTAGE RATE	0.00	0.00	10.77

IV. UNIT SHUTDOWNS

A. Unit One Shutdowns for May 1999

DOCKET NO.: 50-254
DATE: June 9, 1999
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

No.	DATE	TYPE FOR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
99-02	990521	F	39.7	H	3	O1F47 - When the RWCU system was restarted, relief valves lifted, flashing steam in lines going to RBEDT and SDV drain lines. This put steam into the SDV causing temperature sensing hi-hi level instruments to trip, causing the scram.

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 1999

DOCKET NO.: 50-265
 DATE: June 9, 1999
 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)

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

There were no Relief Valve Operations during the reporting period.