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Quad Cities Nuclear Power Station
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Exelon Nuclear

May 15, 2002

SVP-02-042

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

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 5.6.4, "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 April 1, 2002 to April 30, 2002.

Should you have any questions concerning this letter, please contact Mr. W. J. Beck at (309) 227-2800.

Respectfully,

Timothy J. Tulon
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

EXELON NUCLEAR

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 located in Cordova, Illinois. Unit One has a Maximum Dependable Capacity of 769 MWe Net, and Unit Two has a Maximum Dependable Capacity of 855 MWe Net. The Station is jointly owned by Exelon Nuclear 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 Ron Baumer and Debbie Cline, telephone numbers 309-227-2811 and 2801, respectively.

II. SUMMARY OF OPERATING EXPERIENCE

A. Unit One

Unit One operated the month of April at full power with the exception of a downpower on April 12, 2002 to approximately 790 MWe for planned turbine generator testing, and a load decrease to 500 MWe on April 21 for a planned control rod special maneuver.

B. Unit Two

Unit Two started the month of April shutdown for a planned maintenance outage. On April 1, the unit was restarted. On April 2, the Unit 2 turbine was tripped to perform repairs on a steam leak for the control valve underseat drain line. The generator was placed back on line on April 3, 2002. On April 5, 2002, Unit 2 had a reactor scram and turbine trip due to a feedwater level control problem. The unit was restarted on April 6, 2002, and reached full power on April 7, 2002.

The unit operated at full power for the remainder of the month, except for a planned CRD special maneuver on April 9, 2002, a flow control line determination and CRD special maneuver on April 14, 2002, a load decrease to 600 MWe to repair a seal cooler line leak on the 2B RFP on April 17, 2002 and planned turbine testing on April 26, 2002.

Unit Two has the EPU modifications installed. The new Power Level is 2957 (MW th), and Design Electrical Rating of 867 (MWe – Net). The Maximum Dependable Capacity is 855 MWe - Net.

III. OPERATING DATA STATISTICS

A. Unit One Operating Data Report for April 2002

DOCKET NO.: 50-254
DATE: May 15, 2002
COMPLETED BY: Ron Baumer
TELEPHONE: (309) 227-2811

OPERATING STATUS

1. REPORTING PERIOD: 0000 040102 2400 043002 GROSS HOURS IN REPORTING PERIOD: 719

2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2511 MAX. DEPEND. CAPACITY: 769
DESIGN ELECTRICAL RATING (MWe-NET): 789

Quad Cities Unit One Operating Statistics for April 2002

	UNIT ONE	THIS MONTH	YTD	CUMULATIVE
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	719.00	2275.10	204307.90
4.	REACTOR RESERVE SHUTDOWN HOURS	0.00	603.90	4082.50
5.	HOURS GENERATOR ON-LINE	719.00	2242.00	198190.60
6.	UNIT RESERVE SHUTDOWN HOURS	0.00	637.00	1615.20
7.	GROSS THERMAL ENERGY GENERATED (MWH)	1796862.48	5495376.72	443347057.80
8.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	582623.00	1783122.00	14871647.00
9.	NET ELECTRICAL ENERGY GENERATED (MWH)	556229.00	1701327.00	130215716.00
10.	REACTOR SERVICE FACTOR	100.00	79.02	77.56
	REACTOR AVAILABILITY FACTOR	100.00	79.02	79.11
12.	UNIT SERVICE FACTOR	100.00	77.87	75.54
13.	UNIT AVAILABILITY FACTOR	100.00	77.87	76.15
14.	UNIT CAPACITY FACTOR (Using MDC)	100.60	76.85	64.28
15.	UNIT CAPACITY FACTOR (Using Design MWe)	98.05	74.90	62.65

III. OPERATING DATA STATISTICS

B. Unit Two Operating Data Report for April 2002

DOCKET NO.: 50-265
DATE: May 15, 2002
COMPLETED BY: Ron Baumer
TELEPHONE: (309) 227-2811

OPERATING STATUS

1. REPORTING PERIOD: 0000 040102 2400 043002 GROSS HOURS IN REPORTING PERIOD: 719

2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2957 MAX. DEPEND. CAPACITY: 855
DESIGN ELECTRICAL RATING (MWe-NET): 867

Quad Cities Unit Two Operating Statistics for April 2002

	UNIT TWO	THIS MONTH	YTD	CUMULATIVE
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	686.00	2310.50	198249.30
4.	REACTOR RESERVE SHUTDOWN HOURS	33.00	568.50	4208.60
5.	HOURS GENERATOR ON-LINE	634.00	2227.00	192046.15
6.	UNIT RESERVE SHUTDOWN HOURS	85.00	652.00	2056.90
7.	GROSS THERMAL ENERGY GENERATED (MWH)	1761104.64	5651709.60	427745627.10
8.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	552585.00	1803995.00	137419926.00
9.	NET ELECTRICAL ENERGY GENERATED (MWH)	529838.00	1727414.00	130585584.00
10.	REACTOR SERVICE FACTOR	95.41	80.25	79.02
11.	REACTOR AVAILABILITY FACTOR	95.41	80.25	76.78
12.	UNIT SERVICE FACTOR	88.18	77.35	73.34
13.	UNIT AVAILABILITY FACTOR	88.18	77.35	74.13
14.	UNIT CAPACITY FACTOR (Using MDC)	86.19	70.18	69.12
15.	UNIT CAPACITY FACTOR (Using Design MWe)	85.00	69.20	68.16

IV. UNIT SHUTDOWNS

A. Unit One Shutdowns for April 2002

DOCKET NO.: **50-254**
DATE: May 15, 2002
COMPLETED BY: Ron Baumer
TELEPHONE: (309) 227-2811

No.	DATE	TYPE F OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS

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 April 2002

DOCKET NO.: **50-265**
DATE: May 15, 2002
COMPLETED BY: Ron Baumer
TELEPHONE: (309) 227-2811

No.	DATE	TYPE F OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
2002-02	03/29/02	S	27	B	4	Reactor shutdown to perform Maintenance outage Q2M17
2002-03	04/05/02	F	54.75	A	2	Reactor scram due to Feedwater Level Control problem

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 Technical Specification changes in April.

VI. UNIQUE REPORTING REQUIREMENTS

There were no relief valve actuations in the month of April for Unit 1. For Unit 2, there was one relief valve actuation on April 1, 2002, when the 3E PORV was actuated for 10 seconds for Technical Specification Operability testing.