

Exelon Generation Company, LLC  
Quad Cities Nuclear Power Station  
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March 15, 2002

SVP-02-022

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

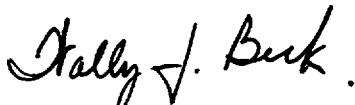
Quad Cities Nuclear Power Station, Units 1 and 2  
Facility Operating License Nos. DPR-29 and DPR-30  
NRC Docket Nos. 50-254 and 50-265

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 February 1, 2002 to February 28, 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

## 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 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 started the month of February shutdown for the replacement of Jet Pump beams (Q1F49). On 02/05/02, the main generator was synched to the grid at 1546. On 02/07/02, the unit dropped power to 225 MW due to a recirculation pump trip. The unit returned to full power on 02/09/02 and operated the remainder of the month at full power with the exception of a CRD special maneuver and an unplanned trip of a FW heater.

### B. Unit Two

Unit Two started the month of February in coast down for refuel outage Q2R16. The unit was shutdown on 02/12/02 to commence Q2R16. The unit remained shutdown the remainder of the month.

### III. OPERATING DATA STATISTICS

#### A. Unit One Operating Data Report for February 2002

DOCKET NO.:50-254

DATE: March 15, 2002

COMPLETED BY: Ron Baumer

TELEPHONE: (309) 227-2811

#### **OPERATING STATUS**

0000 020102

1. REPORTING PERIOD: 2400 022802 GROSS HOURS IN REPORTING PERIOD: 672

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

#### **Quad Cities Unit One Operating Statistics for February 2002**

	UNIT ONE	THIS MONTH	YTD	CUMULATIVE
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	601.60	812.10	202844.90
4.	REACTOR RESERVE SHUTDOWN HOURS	70.40	603.90	4025.80
5.	HOURS GENERATOR ON-LINE	569.00	779.00	197517.60
6.	UNIT RESERVE SHUTDOWN HOURS	103.00	637.00	1615.20
7.	GROSS THERMAL ENERGY GENERATED (MWH)	1317707.04	1831624.56	439683305.64
8.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	422936.00	592409.00	142281934.00
9.	NET ELECTRICAL ENERGY GENERATED (MWH)	405894.00	563716.00	129078105.00
10.	REACTOR SERVICE FACTOR	89.52	57.35	76.68
11.	REACTOR AVAILABILITY FACTOR	89.52	57.35	78.27
12.	UNIT SERVICE FACTOR	84.67	55.01	74.58
13.	UNIT AVAILABILITY FACTOR	84.67	55.01	75.19
14.	UNIT CAPACITY FACTOR (Using MDC)	78.54	51.77	62.85
15.	UNIT CAPACITY FACTOR (Using Design MWe)	76.55	50.46	61.25

### III. OPERATING DATA STATISTICS

#### B. Unit Two Operating Data Report for February 2002

DOCKET NO.:50-265

DATE: March 15, 2002

COMPLETED BY: Ron Baumer

TELEPHONE: (309) 227-2811

#### OPERATING STATUS

0000 020102

1. REPORTING PERIOD: 2400 022802 GROSS HOURS IN REPORTING PERIOD: 672
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2511 MAX. DEPEND. CAPACITY: 769  
DESIGN ELECTRICAL RATING (MWe-NET): 789

#### Quad Cities Unit Two Operating Statistics for February 2002

UNIT TWO	THIS MONTH	YTD	CUMULATIVE
3. NUMBER OF HOURS THE REACTOR WAS CRITICAL	265.30	1009.30	196921.10
4. REACTOR RESERVE SHUTDOWN HOURS	406.70	406.70	4046.80
5. HOURS GENERATOR ON-LINE	264.00	1008.00	190827.15
6. UNIT RESERVE SHUTDOWN HOURS	408.00	408.00	1812.90
7. GROSS THERMAL ENERGY GENERATED (MWH)	622508.40	2471531.76	424565449.26
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	202542.00	806140.00	136422071.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	190788.00	771441.00	129629611.00
10. REACTOR SERVICE FACTOR	39.48	69.74	78.36
11. REACTOR AVAILABILITY FACTOR	39.48	69.74	79.81
12. UNIT SERVICE FACTOR	39.29	69.65	75.93
13. UNIT AVAILABILITY FACTOR	39.29	69.65	76.49
14. UNIT CAPACITY FACTOR (Using MDC)	36.92	69.21	67.07
15. UNIT CAPACITY FACTOR (Using Design MWe)	35.98	67.45	65.37

#### IV. UNIT SHUTDOWNS

##### A. Unit One Shutdowns for February 2002

**DOCKET NO.:** 50-254  
**DATE:** March 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
2002-01	01/09/02	F	103	A	4	U1 Reactor Shutdown due to Jet Pump #20 hold down beam failure

**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 February 2002

DOCKET NO.: **50-265**  
DATE: March 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
2002-01	02/12/02	S	408	C	1	Reactor shutdown to perform Refuel Outage Q2R16

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 two Technical Specification changes in February:

- (1) Scram discharge instrument volume (Replaced Thermal switches with Float switches on U2 only),
- (2) Yarway conversion to analog trip units

## VI. UNIQUE REPORTING REQUIREMENTS

There was one relief valve actuation for the month of February. Relief valve U1 3C ERV was cycled in support of QCOS 0203-03 (Main Steam Relief Valve Operability Test) on 02/04/02.