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September 17, 2001

SVP-01-095

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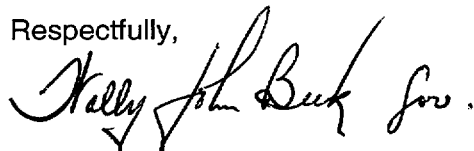
Quad Cities Nuclear Power Station, Units 1 and 2  
Facility Operating License Nos. DPR-29 and DPR-30  
NRC Docket Nos. 50-254 and 50-265

Subject: Monthly Operating Report

In accordance with Generic Letter 97-02 and Technical Specification 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 August 1, 2001 to August 31, 2001.

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

IE24

September 17, 2001  
U.S. Nuclear Regulatory Commission  
Page 2

bcc: Project Manager-NRR  
Office of Nuclear Facility Safety - IDNS  
Senior Analyst NRC Region III  
Resident Inspector – IDNS  
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Regulatory Assurance Manager – Dresden Nuclear Power Station  
NRC Coordinator – Quad Cities Nuclear Power Station  
NSRB Site Coordinator – Quad Cities Nuclear Power Station  
SVP Letter File

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

## TABLE OF CONTENTS

- I. Introduction
- II. Summary of Operating Experience
  - A. Unit One
  - B. Unit Two
- III. Operating Data Statistics
  - A. Operating Data Report for August - Quad Cities Unit One
  - B. Operating Data Report for August - Quad Cities Unit Two
- IV. Unit Shutdowns
  - A. Unit One Shutdowns
  - B. Unit Two Shutdowns
- V. Amendments to Facility License or Technical Specifications
- VI. Unique Reporting Requirements
  - A. Main Steam Relief Valve Operations

## 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 309-227-3102 and 3080, respectively.

## II. SUMMARY OF OPERATING EXPERIENCE

### A. Unit One

Unit One operated the month of August at full power with the exception of a minor downpower to 760 MWe on August 02, 2001 due to low service water pressure as a result of a fire on the U2 Main Power Transformer.

### B. Unit Two

Unit Two began the month of August at full power. At 08:13 on August 02, 2001, Unit Two scrambled due to a failure of the U2 Main Power Transformer, the unit remained shutdown until August 28, 2001. (The unit remained at approximately 220 MWe on August 28, 2001 to perform condenser tube leak repairs.) On August 29, 2001, at 20:00, U2 returned to full power operations.

### III. OPERATING DATA STATISTICS

#### A. Unit One Operating Data Report for August 2001

DOCKET NO.:50-254

DATE: September 17, 2001

COMPLETED BY: Ron Baumer

TELEPHONE: (309) 654-2241

#### **OPERATING STATUS**

0000 080101

1. REPORTING PERIOD: 2400 083101 GROSS HOURS IN REPORTING PERIOD: 744

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

#### **Quad Cities Unit One Operating Statistics for August 2001**

	UNIT ONE	THIS MONTH	YTD	CUMULATIVE
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.00	5774.30	199103.80
4.	REACTOR RESERVE SHUTDOWN HOURS	0.00	56.70	3478.60
5.	HOURS GENERATOR ON-LINE	744.00	5762.00	193809.60
6.	UNIT RESERVE SHUTDOWN HOURS	0.00	69.00	978.20
7.	GROSS THERMAL ENERGY GENERATED (MWH)	1862304.00	14378686.08	430601304.60
8.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	595774.00	4668007.00	139333578.00
9.	NET ELECTRICAL ENERGY GENERATED (MWH)	568175.00	4459910.00	126263426.00
10.	REACTOR SERVICE FACTOR	100.00	99.03	77.29
11.	REACTOR AVAILABILITY FACTOR	100.00	99.03	78.64
12.	UNIT SERVICE FACTOR	100.00	98.82	75.23
13.	UNIT AVAILABILITY FACTOR	100.00	98.82	75.61
14.	UNIT CAPACITY FACTOR (Using MDC)	99.31	99.46	63.74
15.	UNIT CAPACITY FACTOR (Using Design MWe)	96.79	96.94	62.12

### III. OPERATING DATA STATISTICS

#### B. Unit Two Operating Data Report for August 2001

DOCKET NO.:50-265

DATE: September 17, 2001

COMPLETED BY: Ron Baumer

TELEPHONE: (309) 654-2241

#### OPERATING STATUS

0000 080101

1. REPORTING PERIOD: 2400 083101 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2511 MAX. DEPEND. CAPACITY: 769  
DESIGN ELECTRICAL RATING (MWe-NET): 789

#### Quad Cities Unit Two Operating Statistics for August 2001

UNIT TWO	THIS MONTH	YTD	CUMULATIVE
3. NUMBER OF HOURS THE REACTOR WAS CRITICAL	152.20	5176.70	192982.80
4. REACTOR RESERVE SHUTDOWN HOURS	591.80	654.30	3640.10
5. HOURS GENERATOR ON-LINE	115.00	5129.00	186890.15
6. UNIT RESERVE SHUTDOWN HOURS	629.00	702.00	1404.90
7. GROSS THERMAL ENERGY GENERATED (MWH)	250634.88	12804043.92	414795861.18
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	75838.00	4159053.00	133247169.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	67591.00	3992723.00	126577074.00
10. REACTOR SERVICE FACTOR	20.46	89.01	76.35
11. REACTOR AVAILABILITY FACTOR	20.46	89.01	77.80
12. UNIT SERVICE FACTOR	15.46	88.22	74.47
13. UNIT AVAILABILITY FACTOR	15.46	88.22	75.03
14. UNIT CAPACITY FACTOR (Using MDC)	11.81	89.32	65.59
15. UNIT CAPACITY FACTOR (Using Design MWe)	11.51	87.05	63.92



#### IV. UNIT SHUTDOWNS

##### A. Unit One Shutdowns for August 2001

**DOCKET NO.:** 50-254  
**DATE:** September 17, 2001  
**COMPLETED BY:** Ron Baumer  
**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 August

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 August 2001

DOCKET NO.: 50-265  
DATE: September 17, 2001  
COMPLETED BY: Ron Baumer  
TELEPHONE: (309) 654-2241

No.	DATE	TYPE FOR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
2001-02	08/02/01	F	629	A	3	Unit 2 scrammed due to failure of the U2 Main Power Transformer

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 month of August.

## VI. UNIQUE REPORTING REQUIREMENTS

During the U2 Main Power Transformer failure and resultant fire, the following relief valves were used to control reactor pressure:

- (a) 2-0203-3B: Used three (3) times for a total of 5 minutes and 35 seconds
- (b) 2-0203-3C: Used two (2) times for a total of 3 minutes and 40 seconds