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Quad Cities Nuclear Power Station  
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August 14, 2002

SVP-02-070

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 for July 2002

In accordance with Technical Specifications, Section 5.6.4, "Monthly Operating Reports," we are submitting this Monthly Operating Report for Quad Cities Nuclear Power Station (QCNPS), Units 1 and 2.

Additionally, QCNPS has implemented the relaxation designated in NRC Generic Letter 97-02, "Revised Contents of the Monthly Operating Report," which allowed a reduction in information that was being submitted in the Monthly Operating Report. These changes are and will be reflected in this and future reports.

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

Respectfully,



Timothy J. Tulong  
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

**ATTACHMENT**

**QUAD CITIES NUCLEAR POWER STATION UNITS 1 AND 2**

**MONTHLY OPERATING REPORT**

**FOR JULY 2002**

**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 criticality for Units One and Two, were October 18, 1971, and April 26, 1972, respectively. Commercial generation of power began on February 18, 1973 for Unit One and March 10, 1973 for Unit Two.

## **II. SUMMARY OF OPERATING EXPERIENCE**

### **A. Unit One**

Unit One operated the month of July at full power with the exception of: a planned load drop from July 14 at 0120 to July 15, 0400, 2002 to approximately 540 MWe to withdraw rods for End-of-Cycle operation.

### **B. Unit Two**

Unit Two entered the month of July at 750 MWe due to increasing reactor moisture carry over and differences between "A" and "B" reactor water level indication. On July 11, 2002, at 0241, Unit 2 started a load drop to allow for reactor shutdown due to a Technical Specification 3.0.3 entry as a result of a damaged reactor steam dryer. The dryer was repaired and the Unit started power increases on July 22, 2002, up to approximately 800 MWe. On July 25, 2002, a load drop to 580 MWe was performed for rod shuffle, returning to full power on July 26, 2002.

### III. OPERATING DATA STATISTICS

#### A. Quad Cities Unit One Operating Data Report for July 2002

DOCKET NO.: 50-254  
DATE: August 14, 2002  
COMPLETED BY: Tom Petersen  
TELEPHONE: (309) 227-2825

#### OPERATING STATUS

- REPORTING PERIOD: July 2002  
GROSS HOURS IN REPORTING PERIOD: 744  
CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2511
1. DESIGN ELECTRICAL RATING (MWe-Net): 789
  2. MAX. DEPEND. CAPACITY (MWe-Net): 769

#### UNIT 1 OPERATING STATUS

	PARAMETER	THIS MONTH	YTD	CUMULATIVE
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	744.00	4483.10	206515.90
4.	HOURS GENERATOR ON-LINE	744.00	4450.00	201188.60
5.	UNIT RESERVE SHUTDOWN HOURS	0.00	637.00	1615.20
6.	NET ELECTRICAL ENERGY GENERATED (MWH)	558989.00	3355521.00	131869910.00

## **II. OPERATING DATA STATISTICS**

### **B. Unit Two Operating Data Report for July 2002**

DOCKET NO.: 50-265  
DATE: August 14, 2002  
COMPLETED BY: Tom Petersen  
TELEPHONE: (309) 227-2825

#### **OPERATING STATUS**

- REPORTING PERIOD: July 2002  
GROSS HOURS IN REPORTING PERIOD: 744  
CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2957
1. DESIGN ELECTRICAL RATING (MWe-Net): 867
  2. MAX. DEPEND. CAPACITY (MWe-Net): 855

#### **UNIT 2 OPERATING STATUS**

	PARAMETER	THIS MONTH	YTD	CUMULATIVE
3.	NUMBER OF HOURS THE REACTOR WAS CRITICAL	503.30	4277.80	198822.10
4.	HOURS GENERATOR ON-LINE	488.00	4179.00	193998.15
5.	UNIT RESERVE SHUTDOWN HOURS	256.00	908.00	2312.90
6.	NET ELECTRICAL ENERGY GENERATED (MWH)	372714.00	3314873.00	132173043.00

#### **IV. UNIT SHUTDOWNS**

##### **A. Unit ONE Shutdowns for July 2002**

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN (3)	CORRECTIVE ACTIONS/COMMENTS
		None				

##### **B. Unit TWO Shutdowns for July 2002**

NO. FOR YEAR	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN (3)	CORRECTIVE ACTIONS/COMMENTS
6	07/11/02	Forced	256	Equipment Failure - Reactor Steam Dryer	Manual	Repair the Failed Reactor Steam Dryer. LER 265/02-003

##### **Legend**

(1) TYPE	(2) REASON	(3) METHOD
F – Forced S – Scheduled	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)	1. Manual 2. Manual Trip/Scram 3. Automatic Trip/Scram 4. Continuation 5. Other (Explain)

#### **V. CHALLENGES TO SAFETY AND RELIEF VALVES**

##### **June 2002**

Unit 1	None
Unit 2	3A Relief Valve was opened for 10 seconds on 07/21/02 for post-maintenance testing