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Quad Cities Generating Station
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ComEd

SVP-98-346

November 13, 1998

U.S. Nuclear Regulatory Commission
Washington, DC 20555

Attention: Document Control Desk

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

Enclosed for your information is the Monthly Performance Report covering the operation of Quad Cities Nuclear Power Station, Units One and Two, during the month of October 1998.

If you have any questions or comments concerning this letter, please refer them to Mr. Charles Peterson, Regulatory Assurance Manager, at (309) 654-2241, extension 3609.

Sincerely,

Joel P. Dimmette, Jr.
Site Vice President
Quad Cities Station

Enclosure

cc: Acting Regional Administrator, Region III
Senior Resident Inspector, Quad Cities

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QUAD CITIES NUCLEAR POWER STATION

UNITS 1 AND 2

MONTHLY PERFORMANCE REPORT

OCTOBER 1998

COMMONWEALTH EDISON COMPANY

AND

MIDAMERICAN ENERGY COMPANY

NRC DOCKET NOS. 50-254 AND 50-265

LICENSE NOS. DPR-29 AND DPR-30

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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 October off-line due to the reactor scram in September. On October 1, 1998, at 6:12 p.m., the reactor went critical. On October 2, 1998, at 3:40 a.m., the generator was synchronized to the grid. Unit One operated throughout the remainder of the month near full power with minor down power operations for routine maintenance and surveillance testing.

B. Unit Two

Quad Cities Unit Two began the month of October operating at full power. On October 2, Unit Two power level was reduced to 88% power due to Feedwater Regulating Valve problems and on October 3, full power was achieved. On October 8, 1998, at 8:19 a.m., the generator was taken off-line followed by a reactor shutdown at 9:09 a.m. for a forced outage to replace the 2B Recirculation Pump seal. On October 10, 1998, startup activities commenced and the reactor went critical at 11:20 p.m. On October 11, 1998, at 10:39 a.m. the generator was synchronized to the grid and full power was achieved shortly thereafter. For the remainder of the month, Unit Two operated 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 October 1998

DOCKET NO.: 50-254
DATE: November 10, 1998
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

OPERATING STATUS

0000 100198

1. REPORTING PERIOD: 2400 103198 GROSS HOURS IN REPORTING PERIOD: 745
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	726.80	3607.30	175982.70
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	3421.90
5. HOURS GENERATOR ON LINE	717.30	3513.90	170809.20
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	909.20
7. GROSS THERMAL ENERGY GENERATED (MWH)	1763297.76	8473373.76	373910616.36
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	573107.00	2704193.00	120957562.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	546663.00	2575796.00	108730765.00
10. REACTOR SERVICE FACTOR	97.56	49.44	75.60
11. REACTOR AVAILABILITY FACTOR	97.56	49.44	77.07
12. UNIT SERVICE FACTOR	96.28	48.16	73.38
13. UNIT AVAILABILITY FACTOR	96.28	48.16	73.77
14. UNIT CAPACITY FACTOR (Using MDC)	95.42	45.91	60.74
15. UNIT CAPACITY FACTOR (Using Design Mwe)	93.00	44.75	59.20
16. UNIT FORCED OUTAGE RATE	3.72	0.03	7.12

III. OPERATING DATA STATISTICS

B. Unit Two Operating Data Report for October 1998

DOCKET NO.: 50-265
DATE: November 10, 1998
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

OPERATING STATUS

0000 100198

1. REPORTING PERIOD: 2400 103198 GROSS HOURS IN REPORTING PERIOD: 745
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	682.80	3766.05	168133.10
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	2985.80
5. HOURS GENERATOR ON LINE	670.70	3636.30	163606.15
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	702.90
7. GROSS THERMAL ENERGY GENERATED (MWH)	1646970.00	8822010.00	357178266.32
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	534915.00	2795140.00	114557684.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	512661.00	2672935.00	108620393.00
10. REACTOR SERVICE FACTOR	91.65	51.62	72.72
11. REACTOR AVAILABILITY FACTOR	91.65	51.62	74.01
12. UNIT SERVICE FACTOR	90.03	49.84	70.76
13. UNIT AVAILABILITY FACTOR	90.03	49.84	71.06
14. UNIT CAPACITY FACTOR (Using MDC)	89.48	47.64	61.09
15. UNIT CAPACITY FACTOR (Using Design Mwe)	87.22	46.43	59.54
16. UNIT FORCED OUTAGE RATE	9.97	4.67	11.05

IV. UNIT SHUTDOWNS

A. Unit One Shutdowns for October 1998

DOCKET NO.: 50-254
DATE: November 10, 1998
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

No.	DATE	TYPE F OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
98-08	981001	F	27.7	G	4	LER 1-98-022 Reactor Scram on Low Water Level due to incorrectly valving out flow transmitter on 1A Reactor Feed Pump

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 October 1998

DOCKET NO.: 50-265
DATE: November 10, 1998
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

No.	DATE	TYPE F OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
98-07	981008	F	74.3	B	2	Replace 2B Reactor Recirc Pump Seal

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

Technical Specification Amendment No. 181 was issued on October 8, 1998 to Facility Operating License DPR-29 and Amendment No. 179 to Facility Operating License DPR-30 for Quad Cities Nuclear Power Station.

The amendments will change several Technical Specification (TS) values to reflect design values. These TS values affect (1) 125/250 volts direct current (Vdc) electrolyte temperature; (2) control rod drive accumulator pressure; (3) standby liquid control solution temperature; (4) ultimate heat sink minimum water level; (5) shutdown suppression chamber level; and (6) a degraded voltage setpoint.

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.