

Commonwealth Edison Company
Quad Cities Generating Station
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Cordova, IL 61242-9740
Tel 309-654-2241



SVP-98-326

October 13, 1998

U.S. Nuclear Regulatory Commission
Washington, DC 20555

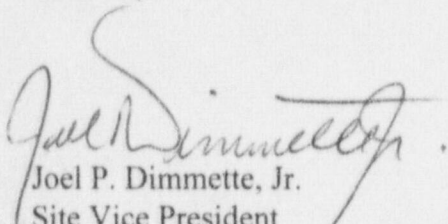
Attention: Document Control Desk

Subject: Quad Cities Nuclear Power Station Units 1 and 2
Monthly Performance Report
Facility Operating License Numbers DPR-29 and DPR-30
NRC Docket Numbers 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 September 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

Attachment: "Monthly Performance Report"

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
SEPTEMBER 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 September at full power with minor down power operations for routine maintenance and surveillance testing. On September 30, 1998, at 2:06 a.m., Unit 1 was forced off-line by an automatic scram. During an out-of-service evolution for the 1A Reactor Feed Pump and while taking out a feedwater flow element, the system sensed high feedwater flow. This caused the water level control system to reduce feed flow to the reactor, which caused reactor water level to decrease and initiated the scram on low reactor water level. The unit remained off-line through the end of the month.

B. Unit Two

Quad Cities Unit Two operated throughout the month of September 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 September 1998

DOCKET NO.: 50-254
DATE: October 9, 1998
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

OPERATING STATUS

0000 090198

1. REPORTING PERIOD: 2400 093098 GROSS HOURS IN REPORTING PERIOD: 720
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	698.10	2880.50	175255.90
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	3421.90
5. HOURS GENERATOR ON LINE	698.10	2796.60	170091.90
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	909.20
7. GROSS THERMAL ENERGY GENERATED (MWH)	1732852.80	6710076.00	372147318.60
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	563114.00	2131086.00	120384455.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	537312.00	2029133.00	108184102.00
10. REACTOR SERVICE FACTOR	96.96	43.97	75.53
11. REACTOR AVAILABILITY FACTOR	96.96	43.97	77.01
12. UNIT SERVICE FACTOR	96.96	42.69	73.31
13. UNIT AVAILABILITY FACTOR	96.96	42.69	73.70
14. UNIT CAPACITY FACTOR (Using MDC)	97.04	40.28	60.63
15. UNIT CAPACITY FACTOR (Using Design Mwe)	94.58	39.26	59.09
16. UNIT FORCED OUTAGE RATE	3.04	0.02	7.13

III. OPERATING DATA STATISTICS

B. Unit Two Operating Data Report for September 1998

DOCKET NO.: 50-265
DATE: October 9, 1998
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

OPERATING STATUS

0000 090198

1. REPORTING PERIOD: 2400 093098 GROSS HOURS IN REPORTING PERIOD: 720
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	720.00	3083.25	167450.30
4. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	2985.80
5. HOURS GENERATOR ON LINE	720.00	2965.60	162935.45
6. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	702.90
7. GROSS THERMAL ENERGY GENERATED (MWH)	1801192.80	7175040.00	355531296.32
8. GROSS ELECTRICAL ENERGY GENERATED (MWH)	582748.00	2260225.00	114022769.00
9. NET ELECTRICAL ENERGY GENERATED (MWH)	559205.00	2160274.00	108107732.00
10. REACTOR SERVICE FACTOR	100.00	47.07	72.66
11. REACTOR AVAILABILITY FACTOR	100.00	47.07	73.95
12. UNIT SERVICE FACTOR	100.00	45.27	70.70
13. UNIT AVAILABILITY FACTOR	100.00	45.27	71.00
14. UNIT CAPACITY FACTOR (Using MDC)	101.00	42.88	61.00
15. UNIT CAPACITY FACTOR (Using Design Mwe)	98.44	41.79	59.45
16. UNIT FORCED OUTAGE RATE	0.00	3.38	11.06

IV. UNIT SHUTDOWNS

A. Unit One Shutdowns for September 1998

DOCKET NO.: 50-254
DATE: October 9, 1998
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

No.	DATE	TYPE FOR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
98-08	980930	F	21.9	G	3	LER 1-98-022 Reactor Scram on Low Water Level due to Valving out flow transmitter on 1A Reactor Feed Pump Out-of-Service (OOS). Investigation still in progress. Failure to recognize the impact of OOS on feedwater level control prior to performance of OOS.

Legend:

(1) Reason

- A - Equipment Failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory Restriction
- E - Operator Training/License Examination
- F - Administrative
- G - Operations 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 September 1998

DOCKET NO.: 50-265
DATE: October 9, 1998
COMPLETED BY: Lynne Hamilton
TELEPHONE: (309) 654-2241

No.	DATE	TYPE F O R S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	CORRECTIVE ACTIONS/COMMENTS
None						None for the Month of September.

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 reporting period.

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.