QUAD-CITIES NUCLEAR POWER STATION

UNITS 1 AND 2

MONTHLY PERFORMANCE REPORT

NOVEMBER 1997

COMMONWEALTH EDISON COMPANY

AND

MIDAMERICAN ENERGY COMPANY

NRC DOCKET NOS. 50-254 AND 50-265

LICENSE NOS. DPR-29 AND DPR-30

TABLE OF CONTENTS

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 Kristal Sirles and Debra Kelley, telephone number 309-654-2241, extensions 3070 and 2240, respectively.

II. SUMMARY OF OPERATING EXPERIENCE

A. Unit One

Quad Cities Unit One was on line the entire month of November 1997. On November 8, 1997 at 2000 hours, a load drop was initiated in preparation for Drywell entry to troubleshoot an increase in Drywell leakage. The inspection indicated that the Core Spray Vent Valve 1-1402-66A had a packing leak. On November 11, 1997 at 2035 hours, repairs were completed and Unit One commenced to increase load. A few other load drops were performed, however the average daily power level remained at 80% or greater.

B. Unit Two

Quad Cities Unit Two started the month of November 1997 in a forced shutdown to address Safe Shutdown issues. On November 10, 1997 at 0000 hours, an extension to Q2P01 planned outage began.

III. PLANT OR PROCEDURE CHANGES, TESTS, EXPERIMENTS, AND SAFETY RELATED MAINTENANCE

A. Amendments to Facility License or Technical Specifications

Technical Specification Amendment No. 178 was issued on October 7, 1997 to Facility Operating License DPR-29 and Amendment No. 176 to Facility Operating License DPR-30 for Quad Cities Nuclear Power Station.

The amendments clarify the load value for the emergency diesel generator to be equal to or greater than the largest single load and revise the frequency and voltage requirements during the performance of the test.

B. Facility or Procedure Changes Requiring NRC Approval

There were no Facility or Procedure changes requiring NRC approval for the reporting period.

C. Tests and Experiments Requiring NRC Approval

There were no Tests or Experiments requiring NRC approval for the reporting period.

IV. LICENSEE EVENT REPORTS

The following is a tabular summary of all licensee event reports for Quad-Cities Units One and Two submitted during the reporting period.

UNIT 1

Licensee Event Report Number	Submission Date	Title of occurrence
97-022	11/12/97	The Control Room Heating, Ventilation and Air Conditioning System Was Declared INOP Due To Inadequate Cooling Water Flow Which Was Caused By A System Perturbation.
97-023	11/26/97	A Required Technical Specification (TS) Surveillance Was Not Performed Prior To Reactor Mode Change On Four Occasions Due To Inadequate Procedures Associated With Implementation Of The TS Upgrade program.

UNIT 2

Licensee Event Report Number	Submission Date	Title of occurrence
97-002 Rev. 1	11/18/97	Unit 2 Was Shutdown, Per The Requirements of Technical Specifications 3.5.A and 3.6.F, Because Four Main Steam Relief Valve Closure Times Did Not Meet Inservice Testing Program Limits. The timing methodology Had Changed; However, The Acceptance Criteria Had Not Been Reevaluated. In Addition, The Unit 2 Shutdown Was Required Because Of A Loss Of Primary Containment Integrity Due To Misinterpretation Of Technical Specifications Resulting In An Inadequate Procedure.

V. DATA TABULATIONS

The following data tabulations are presented in this report:

A. Average Daily Unit Power Level

B. Operating Data Report

C. Unit Shutdowns and Power Reductions

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-254
UNIT One
DATE December 5, 1997
COMPLETED BY Kristal Sirles
TELEPHONE (309) 654-2241

MONTH November 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	760	17.	764
2.	779	18.	779
3.	778	19.	780
4.	780	20.	780
5.	779	21.	768
6.	778	22.	742
7.	778	23.	778
8.	739	24.	777
9.	80	25.	777
10.	58	26.	776
11.	65	27.	778
12.	515	28.	776
13.	588	29.	773
14.	776	30.	775
15.	757	31.	
16.	756		

INSTRUCTIONS
On this form, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt. These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-265
UNIT Two
DATE December 5, 1997
COMPLETED BY Kristal Sirles
TELEPHONE (309) 654-2241

MONTH November 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	- 8	17.	- 8
2.	- 8	18.	- 8
3.	- 8	19.	- 8
4.	- 8	20.	- 8
5.	- 8	21.	- 8
6.	- 9	22.	- 8
7.	- 8	23.	- 8
8.	- 8	24.	- 8
9.	- 8	25.	- 8
10.	- 8	26.	- 8
11.	- 9	27.	- 8
12.	- 8	28.	- 8
13.	- 8	29.	- 8
14.	- 8	30.	- 8
15.	- 8	31.	
16.	- 8		

INSTRUCTIONS
On this form, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt. These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

APPENDIX C

OPERATING DATA REPORT

DOCKET NO. 50-254

UNIT One

DATE December 5, 1997

COMPLETED BY Kristal Sirles

TELEPHONE (309) 654-2241

OPERATING STATUS

1. REPORTING PERIOD: 0000 110197 / 2400 113097 GROSS HOURS IN REPORTING PERIOD: 720

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

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): N/A

4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL	720.00	7397.10	171906.30
6. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	3421.90
7. HOURS GENERATOR ON LINE	720.00	7301.20	166830.10
8. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	909.20
9. GROSS THERMAL ENERGY GENERATED (MWH)	1604413.20	17115424.00	364288306.50
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	517715.00	5462120.00	117883550.00
11. NET ELECTRICAL ENERGY GENERATED (MWH)	494495.00	5213947.00	111368916.00
12. REACTOR SERVICE FACTOR	100.00	92.28	76.49
13. REACTOR AVAILABILITY FACTOR	100.00	92.28	78.02
14. UNIT SERVICE FACTOR	100.00	91.08	74.23
15. UNIT AVAILABILITY FACTOR	100.00	91.08	74.64
16. UNIT CAPACITY FACTOR (Using MDC)	89.31	84.58	64.44
17 UNIT CAPACITY FACTOR (Using Design MWe)	87.05	82.44	62.81
18. UNIT FORCED OUTAGE RATE	0.00	8.92	7.55

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): Maintenance Q1P01 1/4/98 - 1/24/98

20. IF SHUTDOWN AT END OF REPORT PERIOD < ESTIMATED DATE OF STARTUP: N/A

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): N/A

	FORECAST	ACHIEVED	
INITIAL CRITICALITY			
INITIAL ELECTRICITY			
COMMERCIAL OPERATION			

APPENDIX C

OPERATING DATA REPORT

DOCKET NO. 50-2[illegible]

UNIT Two

DATE December 5, 1997

COMPLETED BY Kristal Sirles

TELEPHONE (309) 654-2241

OPERATING STATUS

1. REPORTING PERIOD: 0000 110197 2400 113097 GROSS HOURS IN REPORTING PERIOD: 720

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

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): N/A

4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL	0.00	3780.50	164357.05
6. REACTOR RESERVE SHUTDOWN HOURS	0.00	0.00	2985.80
7. HOURS GENERATOR ON LINE	0.00	3720.50	159969.85
8. UNIT RESERVE SHUTDOWN HOURS	0.00	0.00	702.90
9. GROSS THERMAL ENERGY GENERATED (MWH)	0.00	8684167.50	348356256.32
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	0.00	2745407.00	111762544.00
11. NET ELECTRICAL ENERGY GENERATED (MWH)	0.00	2627737.00	105947458.00
12. REACTOR SERVICE FACTOR	0.00	47.16	73.65
13. REACTOR AVAILABILITY FACTOR	0.00	47.16	74.99
14. UNIT SERVICE FACTOR	0.00	46.41	71.68
15. UNIT AVAILABILITY FACTOR	0.00	46.41	72.00
16. UNIT CAPACITY FACTOR (Using MDC)	0.00	42.63	61.73
17. UNIT CAPACITY FACTOR (Using Design MWe)	0.00	41.55	60.17
18. UNIT FORCED OUTAGE RATE	0.30	11.90	11.19

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): N/A

20. IF SHUTDOWN AT END OF REPORT PERIOD < ESTIMATED DATE OF STARTUP: 12/19/97

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): N/A

	FORECAST	ACHIEVED	
INITIAL CRITICALITY			
INITIAL ELECTRICITY			
COMMERCIAL OPERATION			

APPENDIX D
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-254

UNIT NAME One COMPLETED BY Kristal Sirles

DATE December 5, 1997 REPORT MONTH November 1997 TELEPHONE 309-654-2241

NO.	DATE	TYPE F OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT	SYSTEM CODE	COMPONENT CODE	CORRECTIVE ACTIONS/COMMENTS
97-16	971108	F	0	A	5	-----	--	---	Performed Load Drop to Troubleshoot Increased Drywell Leakage. Found Core Spray Vent Valve had a Packing Leak.

APPENDIX D
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-265

UNIT NAME Two

COMPLETED BY Kristal Sirles

DATE December 5, 1997 REPORT MONTH November 1997

TELEPHONE 309-654-2241

NO.	DATE	TYPE F OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT	SYSTEM CODE	COMPONENT CODE	CORRECTIVE ACTIONS/COMMENTS
97-15	971101	F	216.0	H	4	--------	----	---	Continuation of Safe Shutdown Issues.
97-16	971108	S	504.0	H	4	--------	---	---	Continuation of Planned Outage.