

QUAD-CITIES NUCLEAR POWER STATION  
UNITS 1 AND 2  
MONTHLY PERFORMANCE REPORT  
AUGUST, 1988  
COMMONWEALTH EDISON COMPANY  
AND  
IOWA-ILLINOIS GAS & ELECTRIC COMPANY  
NRC DOCKET NOS. 50-254 AND 50-265  
LICENSE NOS. DPR-29 AND DPR-30

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## TABLE OF CONTENTS

- I. Introduction
- II. Summary of Operating Experience
  - A. Unit One
  - B. Unit Two
- III. Plant or Procedure Changes, Tests, Experiments, and Safety Related Maintenance
  - A. Amendments to Facility License or Technical Specifications
  - B. Facility or Procedure Changes Requiring NRC Approval
  - C. Tests and Experiments Requiring NRC Approval
  - D. Corrective Maintenance of Safety Related Equipment
- IV. Licensee Event Reports
- V. Data Tabulations
  - A. Operating Data Report
  - B. Average Daily Unit Power Level
  - C. Unit Shutdowns and Power Reductions
- VI. Unique Reporting Requirements
  - A. Main Steam Relief Valve Operations
  - B. Control Rod Drive Scram Timing Data
- VII. Refueling Information
- VIII. Glossary

## I. INTRODUCTION

Quad-Cities Nuclear Power Station is composed of two Boiling Water Reactors, each with a Maximum Dependable Capacity of 769 MWe Net, located in Cordova, Illinois. The Station is jointly owned by Commonwealth Edison Company and Iowa-Illinois Gas & Electric 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 Verna Koselka and Lynne Deelsnyder, telephone number 309-654-2241, extensions 2240 and 2185.

## II. SUMMARY OF OPERATING EXPERIENCE

### A. Unit One

Unit One began the month of August operating in Economic Generation Control (EGC). At 0827, the unit was taken off of EGC and at 1200, a load reduction was taken to 200 MWe due to high river temperatures. Between August 1 and 9, power levels fluctuated because of high river temperatures. On August 9, at 0100, a load reduction was taken to 200 MWe at the request of the Chicago Load Dispatcher. From August 10 to 14, the unit operated at full power. On August 14, at 0215, a load reduction to 651 MWe was taken at the request of the Chicago Load Dispatcher. On August 15, at 0545, a load decrease was taken to 200 MWe due to high river temperature. Power levels fluctuated on the sixteenth and seventeenth, and then were held constant at approximately 230 MWe until August 20. Between August 20 and 24 power levels were adjusted at the request of the Chicago Load Dispatcher. On August 24, at 0903, the unit was placed in EGC. The unit operated in EGC or was maintained near full power for the remainder of the month with minor interruptions to perform routine surveillances.

### B. Unit Two

Unit Two began the month of August still in the shutdown mode due to the main generator ground fault occurring at the end of July. Investigations were made into the problem and repairs were performed until August 11 when the mode switch was placed in REFUEL. On August 14, at 0830, the mode switch was placed in STARTUP. Control rod patterns were adjusted and the reactor became critical at 1133. At 1900, the mode switch was placed in RUN. On August 15, at 0251, the generator was synchronized to the grid. 200 MWe was reached at 0500. Power levels were held constant due to high river temperatures until August 16 when load was increased to 650 MWe. On August 17, at 2055, a load reduction was taken to 200 MWe due to high river temperatures and held constant until August 20. At 0720, an ascent to full power was begun. 700 MWe was reached at 1245 and held constant due to high river temperature. For the remainder of the month the unit operated near full power with power level adjustments made at the request of the Chicago Load Dispatcher and routine surveillances were performed.

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

A. Amendments to Facility License or Technical Specifications

There were no Amendments to the Facility License or Technical Specifications for the reporting period.

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.

D. Corrective Maintenance of Safety Related Equipment

The following represents a tabular summary of the major safety related maintenance performed on Units One and Two during the reporting period. This summary includes the following: Work Request Numbers, Licensee Event Report Numbers, Components, Cause of Malfunctions, Results and Effects on Safe Operation, and Action Taken to Prevent Repetition.

UNIT 1 MAINTENANCE SUMMARY

WORK REQUEST NO.: Q61813

LER NUMBER: 87-024

COMPONENT: System 0020 - Repaired drywell steel connection per ECN QC-87S-20.

CAUSE OF MALFUNCTION: Cause of malfunction was due to inadequate verification of the as-built configuration against design drawings during original construction.

RESULTS & EFFECTS ON SAFE OPERATION: Sargent & Lundy performed an analysis that revealed 13 connections not meeting FSAR design requirements but were meeting operability requirements. Therefore safety implications were minimal.

ACTION TAKEN TO PREVENT REPETITION: Immediate corrective action was to repair the 13 connections under engineering change notices QC-87S-24 and 27. To prevent reoccurrence, the Engineering department now requires a dimensional verification for all safety related verifications under the modification program as of April, 1987.

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WORK REQUEST NO.: Q62057

LER NUMBER: 87-16

COMPONENT: System 2000 - Cleaned and lapped seats and disc on 1-2001-4.

CAUSE OF MALFUNCTION: This malfunction was caused by dirt and corrosion products in the process line being transferred to the valve seat.

RESULTS & EFFECTS ON SAFE OPERATION: Leakage limit in this event has minimal safety consequences since the total leakage determined does not represent a probable leakage from the primary containment during accident conditions.

ACTION TAKEN TO PREVENT REPETITION: Valve (2001-3 and 4) seats were cleaned and lapped. Also, the disc was ground on valve 2001-4. Previous failures of these valves have initiated Action Item Record No. 88-29 to determine a more suitable type of valve for this application.

WORK REQUEST NO.: Q62058

LER NUMBER: 87-16

COMPONENT: System 2000 - Cleaned and lapped seats on 1-2001-.,.

CAUSE OF MALFUNCTION: This malfunction was caused by dirt and corrosion products in the process line being transferred to the valve seat.

RESULTS & EFFECTS ON SAFE OPERATION: Leakage limit in this event has minimal safety consequences since the total leakage determined does not represent a probable leakage from the primary containment during accident conditions.

ACTION TAKEN TO PREVENT REPETITION: Valve (2001-3 and 4) seats were cleaned and lapped. Also the disc was ground on valve 2001-4. Previous failures of these valves have initiated Action Item Record No. 88-29 to determine a more suitable type of valve for this application.

UNIT 2 MAINTENANCE SUMMARY

WORK REQUEST NO.: Q58943

LER NUMBER: N/A

COMPONENT: System 2300 - Removed old HPCI steam trap, 2-2301-1, and reinstalled new trap and piping.

CAUSE OF MALFUNCTION: This deviation report was not written due to a malfunction, but to document a planned evolution.

RESULTS & EFFECTS ON SAFE OPERATION: Since no malfunction occurred, there were no results or effects on safe operation.

ACTION TAKEN TO PREVENT REPETITION: There was like-for-like replacement of the steam line drain trap 2-2301-1 and associated piping.



#### IV. LICENSEE EVENT REPORTS

The following is a tabular summary of all licensee event reports for Quad-Cities Units One and Two occurring during the reporting period, pursuant to the reportable occurrence reporting requirements as set forth in sections 6.6.B.1. and 6.6.B.2. of the Technical Specifications.

##### UNIT 1

<u>Licensee Event Report Number</u>	<u>Date</u>	<u>Title of Occurrence</u>
85-010	6-14-88	Nylon butt splices in PAM instruments
88-012	8-7-88	1/2A SBTG high flow
88-013	8-22-88	1A Core Spray Room Cooler inoperable/making RCIC inoperable
88-014	8-24-88	HPCI steam high flow outside Tech Specs
<u>Unit 2</u>		
88-025	8-23-88	HPCI isolation during preparation for special test

V. DATA TABULATIONS

The following data tabulations are presented in this report:

- A. Operating Data Report
- B. Average Daily Unit Power Level
- C. Unit Shutdowns and Power Reductions

**APPENDIX C  
OPERATING DATA REPORT**

DOCKET NO. 50-254  
 UNIT ONE  
 DATE September 9, 1988  
 COMPLETED BY Lynne Deelsnyder  
 TELEPHONE 309-654-2241

**OPERATING STATUS**    0000    080188

1. REPORTING PERIOD: 2400 083188 GROSS HOURS IN REPORTING PERIOD: 744  
 2. CURRENTLY AUTHORIZED POWER LEVEL (MWh): 2511 MAX. DEPEND. CAPACITY (MWe-Net): 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	<u>744.0</u>	<u>5606.2</u>	<u>114670.5</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0.0</u>	<u>0.0</u>	<u>3421.9</u>
7. HOURS GENERATOR ON LINE	<u>744.0</u>	<u>5352.2</u>	<u>110810.4</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0.0</u>	<u>0.0</u>	<u>909.2</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1337086</u>	<u>11801468</u>	<u>235142225</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>415514</u>	<u>3805035</u>	<u>76228537</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>393813</u>	<u>3625134</u>	<u>71528423</u>
12. REACTOR SERVICE FACTOR	<u>100.0</u>	<u>95.8</u>	<u>80.2</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0</u>	<u>95.8</u>	<u>82.6</u>
14. UNIT SERVICE FACTOR	<u>100.0</u>	<u>91.4</u>	<u>77.5</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0</u>	<u>91.4</u>	<u>78.2</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>68.8</u>	<u>80.5</u>	<u>65.1</u>
17. UNIT CAPACITY FACTOR (Using Design MWh)	<u>67.1</u>	<u>78.5</u>	<u>63.4</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0</u>	<u>5.9</u>	<u>5.4</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
 20. IF SHUT DOWN AT END OF REPORT PERIOD, (ESTIMATED DATE OF STARTUP): \_\_\_\_\_  
 21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):
- |                      | FORECAST | ACHIEVED |
|----------------------|----------|----------|
| INITIAL CRITICALITY  | _____    | _____    |
| INITIAL ELECTRICITY  | _____    | _____    |
| COMMERCIAL OPERATION | _____    | _____    |

**APPENDIX C  
OPERATING DATA REPORT**

DOCKET NO. 50-265  
 UNIT TWO  
 DATE September 9, 1988  
 COMPLETED BY Lynne Deelsnyder  
 TELEPHONE 309-654-2241

**OPERATING STATUS**    0000    080188  
 1. REPORTING PERIOD: 2400    083188    GROSS HOURS IN REPORTING PERIOD: 744  
 2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2511    MAX. DEPEND. CAPACITY (MWe-Net): 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	<u>420.5</u>	<u>3428.8</u>	<u>108085.9</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0.0</u>	<u>0.0</u>	<u>2985.8</u>
7. HOURS GENERATOR ON LINE	<u>405.2</u>	<u>3346.9</u>	<u>104882.2</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0.0</u>	<u>0.0</u>	<u>702.9</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>787867</u>	<u>7012447</u>	<u>224383014</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>244301</u>	<u>2245901</u>	<u>71803685</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>229610</u>	<u>2136932</u>	<u>67696957</u>
12. REACTOR SERVICE FACTOR	<u>56.5</u>	<u>56.6</u>	<u>76.1</u>
13. REACTOR AVAILABILITY FACTOR	<u>56.5</u>	<u>58.6</u>	<u>78.2</u>
14. UNIT SERVICE FACTOR	<u>54.5</u>	<u>57.2</u>	<u>73.8</u>
15. UNIT AVAILABILITY FACTOR	<u>54.5</u>	<u>57.2</u>	<u>74.3</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>40.1</u>	<u>47.5</u>	<u>62.0</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>39.1</u>	<u>40.3</u>	<u>60.4</u>
18. UNIT FORCED OUTAGE RATE	<u>45.5</u>	<u>16.8</u>	<u>8.7</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
 20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_  
 21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

	FORECAST	ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

**APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-254

UNIT ONE

DATE September 9, 1988

COMPLETED BY Lynne Deelsnyder

TELEPHONE 309-654-2241

MONTH AUGUST, 1988

**DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)**

1	500
2	372
3	398
4	264
5	194
6	184
7	187
8	269
9	372
10	671
11	786
12	730
13	703
14	679
15	446
16	445

**DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)**

17	461
18	203
19	325
20	497
21	604
22	639
23	583
24	819
25	692
26	710
27	721
28	698
29	725
30	721
31	711

**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 September 9, 1988

COMPLETED BY Lynne Deelsnyder

TELEPHONE 309-654-2241

MONTH AUGUST, 1988

**DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)**

1	-9
2	-8
3	-6
4	-6
5	-5
6	-5
7	-5
8	-1
9	-2
10	-5
11	-9
12	-8
13	-10
14	-13
15	186
16	421

**DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)**

17	459
18	203
19	330
20	484
21	591
22	667
23	656
24	720
25	752
26	753
27	697
28	669
29	668
30	733
31	718

**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.

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APPENDIX D  
UNIT SHUTDOWNS AND POWER REDUCTIONS

QTP 300-S13  
Revision 6  
August 1982

DOCKET NO. 50-254UNIT NAME QUAD-CITIES UNIT ONECOMPLETED BY L. DeelsnyderDATE September 9, 1988REPORT MONTH AUGUST, 1988TELEPHONE 309-654-2241

NO.	DATE	TYPE F OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE	COMPONENT CODE	CORRECTIVE ACTIONS/COMMENTS
88-18	880802	F	0	H	5	-----	ZZ	ZZZZZZ	Power Reduction Taken Due to High River Temperatures
88-19	880804	F	0.0	H	5	-----	ZZ	ZZZZZZ	Power Reduction Taken Due to High River Temperatures
88-20	880805	F	0.0	H	5	-----	ZZ	ZZZZZZ	Power Reduction Taken Due to High River Temperatures
88-21	880815	F	0.0	H	5	-----	ZZ	ZZZZZZ	Power Reduction Taken Due to High River Temperatures
88-22	880818	F	0.0	H	5	-----	ZZ	ZZZZZZ	Power Reduction Taken Due to High River Temperatures

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AUG 16 1982

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APPENDIX D  
UNIT SHUTDOWNS AND POWER REDUCTIONS

QTP 300-S13  
Revision 6  
August 1982

DOCKET NO. 50-265

UNIT NAME QUAD-CITIES UNIT TWO

COMPLETED BY L. Deelsnyder

DATE September 9, 1988

REPORT MONTH AUGUST, 1988

TELEPHONE 339-654-2241

NO.	DATE	TYPE F OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE	COMPONENT CODE	CORRECTIVE ACTIONS/COMMENTS
88-11	880801	F	338.8	A	4	-----	HA	GENERA	Main Generator Ground Fault
88-12	880818	F	0.0	H	5	-----	ZZ	ZZZZZZ	Power Reduction Taken Due to High River Temperatures

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## VI. UNIQUE REPORTING REQUIREMENTS

The following items are included in this report based on prior commitments to the commission:

### A. MAIN STEAM RELIEF VALVE OPERATIONS

There were no Main Steam Relief Valve Operations for the reporting period.

### B. CONTROL ROD DRIVE SCRAM TIMING DATA FOR UNITS ONE AND TWO

The basis for reporting this data to the Nuclear Regulatory Commission are specified in the surveillance requirements of Technical Specifications 4.3.C.1 and 4.3.C.2.

The following table is a complete summary of Units One and Two Control Rod Drive Scram Timing for the reporting period. All scram timing was performed with reactor pressure greater than 800 psig.

## RESULTS OF SCRAM TIMING MEASUREMENTS

PERFORMED ON UNIT 1 &amp; 2 CONTROL

ROD DRIVES, FROM 1-1-88 TO 12-31-88

DATE	NUMBER OF RODS	AVERAGE TIME IN SECONDS AT % INSERTED FROM FULLY WITHDRAWN				MAX. TIME FOR 90% INSERTION	DESCRIPTION
		5	20	50	90		
		0.375	0.900	2.00	3.5		
						7 sec.	Technical Specification 3.3.C.1 & 3.3.C.2 (Average Scram Insertion Time)
5-16-86	89	0.29	0.67	1.45	2.56	3.07 (G-11)	Unit 1, Hot Scram Timing A Sequence
6-17-88	2	0.30	0.68	1.49	2.55	2.60 (P-7)	Unit 1, G-7 and P-7 Hot Scram Timing (P-7 had probe replaced.)
6-27-88	177	0.31	0.68	1.44	2.52	2.96 (H-5)	Unit 2 Hot Scram Timing
7-2-88	1	0.29	0.63	1.35	2.36	2.36 (P-11)	Unit 2, P-11 Hot Scram Timed after accumulator work.
8-24-88	1	0.27	0.63	1.40	2.47	2.47 (B-8)	Unit 2, B-8 Hot Scram Timed after accumulator work, Q68923
9-8-88	1	0.32	0.71	1.48	2.61	2.61 (F-11)	Unit 2, F-11 Hot Scram Timed after accumulator work, Q69472

## VII. REFUELING INFORMATION

The following information about future reloads at Quad-Cities Station was requested in a January 26, 1978, licensing memorandum (78-24) from D. E. O'Brien to C. Reed, et al., titled "Dresden, Quad-Cities, and Zion Station--NRC Request for Refueling Information", dated January 18, 1978.

QUAD-CITIES REFUELING  
INFORMATION REQUEST

QTP 300-532  
Revision 1  
March 1978

- \*  
1. Unit: 01 Reload: 9 Cycle: 10
2. Scheduled date for next refueling shutdown: 6-10-89
3. Scheduled date for restart following refueling: 9-2-89
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment:  
NOT AS YET DETERMINED.
5. Scheduled date(s) for submitting proposed licensing action and supporting information:  
MARCH 10, 1989
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:  
NONE AT PRESENT TIME.
7. The number of fuel assemblies.
- a. Number of assemblies in core: 724
- b. Number of assemblies in spent fuel pool: 1773
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned in number of fuel assemblies:
- a. Licensed storage capacity for spent fuel: 3657
- b. Planned increase in licensed storage: 0
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity: 2008

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Q. C. O. S. R.

QUAD-CITIES REFUELING  
INFORMATION REQUEST

QTP 300-532  
Revision 1  
March 1978

- \*  
1. Unit: Q2 Reload: 9 Cycle: 10  
2. Scheduled date for next refueling shutdown: 12-2-89  
3. Scheduled date for restart following refueling: 3-3-90  
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment:  
NOT AS YET DETERMINED.  
5. Scheduled date(s) for submitting proposed licensing action and supporting information:  
SEPTEMBER 2, 1989  
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:  
NONE AT PRESENT TIME.  
7. The number of fuel assemblies.  
a. Number of assemblies in core: 725  
b. Number of assemblies in spent fuel pool: 1475  
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned in number of fuel assemblies:  
a. Licensed storage capacity for spent fuel: 3897  
b. Planned increase in licensed storage: 0  
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity: 2008

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APR 20 1978

Q. C. O. S. R.

## VIII. GLOSSARY

The following abbreviations which may have been used in the Monthly Report, are defined below:

ACAD/CAM	-	Atmospheric Containment Atmospheric Dilution/Containment Atmospheric Monitoring
ANSI	-	American National Standards Institute
APRM	-	Average Power Range Monitor
ATWS	-	Anticipated Transient Without Scram
BWR	-	Boiling Water Reactor
CRD	-	Control Rod Drive
EHC	-	Electro-Hydraulic Control System
EOF	-	Emergency Operations Facility
GSEP	-	Generating Stations Emergency Plan
HEPA	-	High-Efficiency Particulate Filter
HPCI	-	High Pressure Coolant Injection System
HRSS	-	High Radiation Sampling System
IPCLRT	-	Integrated Primary Containment Leak Rate Test
IRM	-	Intermediate Range Monitor
ISI	-	Inservice Inspection
LER	-	Licensee Event Report
LLRT	-	Local Leak Rate Test
LPCI	-	Low Pressure Coolant Injection Mode of RHRS
LPRM	-	Local Power Range Monitor
MAPLHGR	-	Maximum Average Planar Linear Heat Generation Rate
MCPR	-	Minimum Critical Power Ratio
MFLCPR	-	Maximum Fraction Limiting Critical Power Ratio
MPC	-	Maximum Permissible Concentration
MSIV	-	Main Steam Isolation Valve
NIOSH	-	National Institute for Occupational Safety and Health
PCI	-	Primary Containment Isolation
PCIOMR	-	Preconditioning Interim Operating Management Recommendations
RBCCW	-	Reactor Building Closed Cooling Water System
RBM	-	Rod Block Monitor
RCIC	-	Reactor Core Isolation Cooling System
RHRS	-	Residual Heat Removal System
RPS	-	Reactor Protection System
RWM	-	Rod Worth Minimizer
SBGTS	-	Standby Gas Treatment System
SBLC	-	Standby Liquid Control
SDC	-	Shutdown Cooling Mode of RHRS
SDV	-	Scram Discharge Volume
SRM	-	Source Range Monitor
TBCCW	-	Turbine Building Closed Cooling Water System
TIP	-	Traversing Incore Probe
TSC	-	Technical Support Center



**Commonwealth Edison**

Quad Cities Nuclear Power Station  
22710 206 Avenue North  
Cordova, Illinois 61242  
Telephone 309/654-2241

RAR-88-42

August 31, 1988

Director of Nuclear Reactor Regulations  
U. S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, D. C. 20555

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 August, 1988.

Respectfully,

COMMONWEALTH EDISON COMPANY  
QUAD-CITIES NUCLEAR POWER STATION

*R. A. Robey*

R. A. Robey  
Services Superintendent

RAR/vmk

Enclosure

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