

QUAD-CITIES NUCLEAR POWER STATION  
UNITS 1 AND 2  
MONTHLY PERFORMANCE REPORT  
FEBRUARY, 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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## 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

#### February 1-29

Unit One began on the first of the month operating at 600 MWe and power was later increased to 800 MWe. On February 2 at 0750 the unit was placed in Economic Generation Control (EGC). At 1053 on February 4, the unit was taken off of EGC and a load reduction to 380 MWe was taken due to an oil leak in the 1B Recirculation Motor - Generator Set. This power level was held while work was performed to repair the oil leak. At 1330 a load increase was begun. 800 MWe was reached at 1515 and on February 5 at 0735 the unit was placed in EGC. From February 5 to February 14 unit load was maintained near full power, or operated in EGC with only minor interruptions to perform weekly surveillances. On February 15 the unit was taken off of EGC because of main computer problems. After these problems were resolved, the unit operated near full load or operated in EGC for the remainder of the month, with brief interruptions to perform routine surveillances.

### B. Unit Two

#### February 1-29

Unit Two began operations at full power level, then decreased slightly at 0806 in preparations for Economic Generation Control (EGC). The unit was then placed in EGC. On February 3 at 2130 Unit Two was taken off of EGC and a load reduction to 700 MWe was taken due to problems with the Master Controller. At 2241 an ascension to full power was made and held until February 4 when problems with the master controller recurred. The controller was placed in individual manual, then removed by Instrument Maintenance for repairs. At 1400 the master controller was returned to service. At 1450 power levels were adjusted and Unit Two was placed in EGC. From February 5 to February 29 unit load was maintained near full power, or the unit operated in EGC, with brief interruptions while routine surveillances were performed. Main computer problems occurred intermittently between February 14 and 15 but were resolved by the Nuclear Engineering Group without any affect on Unit Two's operations or power levels.

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

A. Amendments to Facility License or Technical Specifications

Technical Specification Amendments 104 and 101 were issued on February 3, 1988, to Facility Operating Licenses DPR-29 and DPR-30.

These amendments revise the Technical Specifications to now require the discharge lines of the High Pressure Coolant Injection (HPCI) and Reactor Core Isolation Cooling (RCIC) Systems to remain filled by maintaining a certain Contaminated Condensate Storage Tank level without reliance upon an active fill system pump.

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

There were no Deviation Reports or License Event Reports associated with the Safety Related Work Request Log this month for Unit 1 or Unit 2.

#### 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.

<u>UNIT 1</u>		
<u>Licensee Event Report Number</u>	<u>Date</u>	<u>Title of Occurrence</u>
88-003	1-25-88	RCIC 48 valve failure to open during valve op.
88-004	1-26-88	Line 1-0216-1/2" Does not meet FSAR Analysis Criteria
88-005	2-1-88	CR HVAC Isolation
88-006	2-9-88	Both Diesel Fire Pumps Inoperable/Deluge Actuation
<u>UNIT 2</u>		
88-002	2-23-88	HPCI inoperable - Loss of room cooler

## 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\*

\*Revisions made to Unit Shutdowns and Power Reductions for January and also Operating Data Report for Unit One in December and for Unit One and Two in January.

# APPENDIX C OPERATING DATA REPORT

DOCKET NO. 50-254  
UNIT One  
DATE March 7, 1988  
COMPLETED BY L. DEELSNYDER  
TELEPHONE 309-654-2241

## OPERATING STATUS

0000 020188  
1. REPORTING PERIOD: 2400 022988 GROSS HOURS IN REPORTING PERIOD: 696  
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	696.0	1440.0	110504.3
6. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3421.9
7. HOURS GENERATOR ON LINE	696.0	1433.1	106891.3
8. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	909.2
9. GROSS THERMAL ENERGY GENERATED (MWH)	1646232	3402696	226743453
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	540522	1112295	73535797
11. NET ELECTRICAL ENERGY GENERATED (MWH)	517899	1064816	68968105
12. REACTOR SERVICE FACTOR	100.0	100.0	79.8
13. REACTOR AVAILABILITY FACTOR	100.0	100.0	82.2
14. UNIT SERVICE FACTOR	100.0	99.5	77.2
15. UNIT AVAILABILITY FACTOR	100.0	99.5	77.8
16. UNIT CAPACITY FACTOR (Using MDC)	96.8	96.2	64.7
17. UNIT CAPACITY FACTOR (Using Design MWe)	94.3	93.7	63.1
18. UNIT FORCED OUTAGE RATE	0.0	0.5	5.4

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 March 7, 1988  
COMPLETED BY L. DEELSNYDER  
TELEPHONE 309-654-2241

OPERATING STATUS    0000        020188  
                         2400        022988

1. REPORTING PERIOD: \_\_\_\_\_ GROSS HOURS IN REPORTING PERIOD: 696

2. CURRENTLY AUTHORIZED POWER LEVEL (MWe): 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>696.0</u>	<u>1344.0</u>	<u>106001.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS .....	<u>0.0</u>	<u>0.0</u>	<u>2985.8</u>
7. HOURS GENERATOR ON LINE .....	<u>696.0</u>	<u>1327.9</u>	<u>102863.2</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>1671576</u>	<u>3095976</u>	<u>220466543</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) .....	<u>541129</u>	<u>1004486</u>	<u>70562270</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) .....	<u>519297</u>	<u>963044</u>	<u>66523069</u>
12. REACTOR SERVICE FACTOR .....	<u>100.0</u>	<u>93.3</u>	<u>77.0</u>
13. REACTOR AVAILABILITY FACTOR .....	<u>100.0</u>	<u>93.3</u>	<u>79.2</u>
14. UNIT SERVICE FACTOR .....	<u>100.0</u>	<u>92.2</u>	<u>74.7</u>
15. UNIT AVAILABILITY FACTOR .....	<u>100.0</u>	<u>92.2</u>	<u>75.2</u>
16. UNIT CAPACITY FACTOR (Using MDC) .....	<u>97.0</u>	<u>87.0</u>	<u>62.8</u>
17. UNIT CAPACITY FACTOR (Using Design MWe) .....	<u>94.6</u>	<u>84.8</u>	<u>61.2</u>
18. UNIT FORCED OUTAGE RATE .....	<u>0</u>	<u>7.8</u>	<u>8.4</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**

AMENDMENT \_\_\_\_\_ DOCKET NO. 50-254  
 UNIT ONE  
 DATE MARCH 7, 1988  
 COMPLETED BY L. DEELSNYDER  
 TELEPHONE 309-654-2241

**OPERATING STATUS**    0000    010188

1. REPORTING PERIOD: 2400 013188 GROSS HOURS IN REPORTING PERIOD: 744

2. CURRENTLY AUTHORIZED POWER LEVEL (MW): 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>744.0</u>	<u>109808.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS .....	<u>0.0</u>	<u>0.0</u>	<u>3421.9</u>
7. HOURS GENERATOR ON LINE .....	<u>737.1</u>	<u>737.1</u>	<u>106195.3</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>1756464</u>	<u>1756464</u>	<u>225097221*</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) .....	<u>571773</u>	<u>571773</u>	<u>72995275</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) .....	<u>546917*</u>	<u>546917*</u>	<u>68450206*</u>
12. REACTOR SERVICE FACTOR .....	<u>100.0</u>	<u>100.0</u>	<u>79.7</u>
13. REACTOR AVAILABILITY FACTOR .....	<u>100.0</u>	<u>100.0</u>	<u>82.2</u>
14. UNIT SERVICE FACTOR .....	<u>99.0</u>	<u>99.0</u>	<u>77.0</u>
15. UNIT AVAILABILITY FACTOR .....	<u>99.0</u>	<u>99.0</u>	<u>77.7</u>
16. UNIT CAPACITY FACTOR (Using MDC) .....	<u>95.6*</u>	<u>95.6*</u>	<u>64.6*</u>
17. UNIT CAPACITY FACTOR (Using Design MWe) .....	<u>93.2*</u>	<u>93.2*</u>	<u>62.9*</u>
18. UNIT FORCED OUTAGE RATE .....	<u>0.9</u>	<u>0.9</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**

AMENDMENT

DOCKET NO. 50-265

UNIT TWO

DATE MARCH 7, 1988

COMPLETED BY L. DEELSNYDER

TELEPHONE 309-654-2241

**OPERATING STATUS**

0000 010188  
1. REPORTING PERIOD: 2400 013188 GROSS HOURS IN REPORTING PERIOD: 744

2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2511 MAX. DEPEND. CAPACITY (MWe-Net): 760  
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	648.0	648.0	105305.1
6. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1985.8
7. HOURS GENERATOR ON LINE	631.9	631.9	102167.2
8. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	702.9
9. GROSS THERMAL ENERGY GENERATED (MWH)	1424400	1424400	218794967
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	463357	463357	70021141
11. NET ELECTRICAL ENERGY GENERATED (MWH)	443747*	443747*	66003772*
12. REACTOR SERVICE FACTOR	87.1	87.1	76.9
13. REACTOR AVAILABILITY FACTOR	87.1	87.1	79.1
14. UNIT SERVICE FACTOR	84.9	84.9	74.6
15. UNIT AVAILABILITY FACTOR	84.9	84.9	75.1
16. UNIT CAPACITY FACTOR (Using MDC)	77.6*	77.6*	62.7*
17. UNIT CAPACITY FACTOR (Using Design MWe)	75.6*	75.6*	61.1*
18. UNIT FORCED OUTAGE RATE	15.2	15.2	8.3

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):

INITIAL CRITICALITY

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INITIAL ELECTRICITY

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COMMERCIAL OPERATION

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# **APPENDIX C** **OPERATING DATA REPORT**

AMENDMENT

DOCKET NO. 50-254

UNIT ONE

DATE MARCH 7, 1988

COMPLETED BY L. DEELSNYDER

TELEPHONE 309-654-2241

## **OPERATING STATUS**

0000 120187  
1. REPORTING PERIOD: 2400 123187 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	218.0	6251.6	109064.3
6. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3421.9
7. HOURS GENERATOR ON LINE	125.0	6141.7	105458.2
8. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	909.2
9. GROSS THERMAL ENERGY GENERATED (MWH)	110607*	14282939*	223340757*
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	30467	4670118	72423502
11. NET ELECTRICAL ENERGY GENERATED (MWH)	25806	4456087	67903289
12. REACTOR SERVICE FACTOR	29.3	71.4	79.6
13. REACTOR AVAILABILITY FACTOR	29.3	71.4	82.1
14. UNIT SERVICE FACTOR	16.8	70.1	76.9
15. UNIT AVAILABILITY FACTOR	16.8	70.1	77.6
16. UNIT CAPACITY FACTOR (Using MDC)	4.5	66.1	64.4
17. UNIT CAPACITY FACTOR (Using Design MWe)	4.4	64.5	62.8
18. UNIT FORCED OUTAGE RATE	12.7	0.6	5.4

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 March 7, 1988  
 COMPLETED BY L. Deelsnyder  
 TELEPHONE 309-654-2241

MONTH February

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

1	<u>750</u>
2	<u>728</u>
3	<u>722</u>
4	<u>700</u>
5	<u>736</u>
6	<u>725</u>
7	<u>727</u>
8	<u>788</u>
9	<u>769</u>
10	<u>737</u>
11	<u>733</u>
12	<u>757</u>
13	<u>742</u>
14	<u>715</u>
15	<u>736</u>
16	<u>757</u>

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

17	<u>745</u>
18	<u>720</u>
19	<u>730</u>
20	<u>734</u>
21	<u>743</u>
22	<u>782</u>
23	<u>746</u>
24	<u>748</u>
25	<u>791</u>
26	<u>738</u>
27	<u>751</u>
28	<u>781</u>
29	<u>      </u>
30	<u>      </u>
31	<u>      </u>

**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 March 7, 1988

COMPLETED BY L. Deelsnyder

TELEPHONE 309-654-2241

MONTH FEBRUARY

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

1	<u>787</u>
2	<u>723</u>
3	<u>729</u>
4	<u>755</u>
5	<u>745</u>
6	<u>738</u>
7	<u>729</u>
8	<u>781</u>
9	<u>717</u>
10	<u>753</u>
11	<u>745</u>
12	<u>759</u>
13	<u>740</u>
14	<u>701</u>
15	<u>745</u>
16	<u>720</u>

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

17	<u>772</u>
18	<u>755</u>
19	<u>741</u>
20	<u>734</u>
21	<u>760</u>
22	<u>734</u>
23	<u>741</u>
24	<u>785</u>
25	<u>750</u>
26	<u>753</u>
27	<u>751</u>
28	<u>738</u>
29	<u>745</u>
30	<u>      </u>
31	<u>      </u>

## **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.

ID/5A

APPENDIX D  
UNIT SHUTDOWNS AND POWER REDUCTIONS  
AMENDMENT

QTP 300-S13  
Revision 6  
August 1982

DOCKET NO. 50-254

UNIT NAME QUAD CITIES UNIT ONE

COMPLETED BY L. DEELSNYDER

DATE FEBRUARY 3, 1988

REPORT MONTH JANUARY 1988

TELEPHONE

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
88-1	880103	F	6.9	A	9	-----	HA	RELAY	Main Turbine Tripped Due to EHC Leak on Turbine Front Standard
88-2	880109	--	0.0	H	9	-----	CB	ZZZZZZ*	Power Reduction to Perform Flow Drop Test (Surveillance)

APPROVED  
AUG 16 1982

-1-(final)

VCUSH

ID/5A

APPENDIX D  
UNIT SHUTDOWNS AND POWER REDUCTIONS  
AMENDMENTQTP 300-S13  
Revision 6  
August 1982

DOCKET NO. 50-265

UNIT NAME QUAD CITIES UNIT TWO

COMPLETED BY L. DEELSNYDER

DATE FEBRUARY 3, 1988

REPORT MONTH JANUARY 1988

TELEPHONE 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
88-1	880105	--	0.0	H	9	-----	CC	VALVEX	Power Reduction Due to Drywell Leak Inspection
88-2	880111	F	112.1*	A	3	94-2-88-003	EB	GENERA	Reactor Scram on Generator/Turbine Load Mismatch - Main Generator Ground

APPROVED  
AUG 16 1982

ID/5A

APPENDIX D  
UNIT SHUTDOWNS AND POWER REDUCTIONS

QTP 300-S13  
Revision 6  
August 1982

DOCKET NO. 50-254

UNIT NAME QUAD CITIES UNIT ONE

DATE MARCH 7, 1988

REPORT MONTH FEBRUARY 1988

COMPLETED BY L. DEELSNYDER

TELEPHONE 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
									NONE

APPROVED  
AUG 16 1982

ID/5A

DOCKET NO. 50-265

UNIT NAME QUAD CITIES UNIT TWO

DATE MARCH 7, 1988

APPENDIX D  
UNIT SHUTDOWNS AND POWER REDUCTIONS

QTP 300-S13  
Revision 6  
August 1982

COMPLETED BY L. DEELSNYDER

TELEPHONE 309-654-2241

REPORT MONTH FEBRUARY 1988

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
									NONE

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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

There was no Control Rod Drive Scram Timing Data for Units One and Two for the reporting period.

## 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-S32  
Revision 1  
March 1978

- \*  
1. Unit: Q1 Reload: 9 Cycle: 10  
2. Scheduled date for next refueling shutdown: 6-24-89  
3. Scheduled date for restart following refueling: 9-17-89  
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 24, 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-S32  
Revision 1  
March 1978

- \*  
1. Unit: Q2 Reload: 8 Cycle: 9  
2. Scheduled date for next refueling shutdown: 4-9-88  
3. Scheduled date for restart following refueling: 6-18-88  
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment: YES. TECHNICAL SPECIFICATION CHANGES WILL BE REQUIRED FOR NEW FUEL TYPES (MAPHLGR CURVES). CHANGE TO MCPR LIMIT AND OPERATION AT INCREASED CORE FLOW/FINAL FEEDWATER TEMP. REDUCTION.  
5. Scheduled date(s) for submitting proposed licensing action and supporting information: March 4, 1988  
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:  
FIRST RELOAD OF GENERAL ELECTRIC, GE8E FUEL WITH 4 WATER-RODS AND LHGR LIMIT OF 14.4 KW/FT.  
7. The number of fuel assemblies.  
a. Number of assemblies in core: 724  
b. Number of assemblies in spent fuel pool: 1311  
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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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-88-09

March 1, 1988

U.S. NRC  
Office of Nuclear Reactor Regulation  
Washington, D. C. 20555  
Attn: Document Control Desk

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 February, 1988.

Respectfully,

COMMONWEALTH EDISON COMPANY  
QUAD-CITIES NUCLEAR POWER STATION

*R.A. Robey*

R. A. Robey  
Services Superintendent

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Enclosure

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