

**APPENDIX C
OPERATING DATA REPORT**

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DOCKET NO. 70254
 UNIT One
 DATE February 5, 1990
 COMPLETED BY Lynne Deelsnyder
 TELEPHONE 309-654-2241

OPERATING STATUS 0000 010190
 1. REPORTING PERIOD: 2400 013190 GROSS HOURS IN REPORTING PERIOD: 744
 2. CURRENTLY AUTHORIZED POWER LEVEL (MWh): 2511 MAX. DEPEND. CAPACITY (MWh-Per): 769
 DESIGN ELECTRICAL RATING (MWh-Per): 789
 3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWh-Per): N/A
 4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL	696.8	696.8	124860.6
6. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	3421.9
7. HOURS GENERATOR ON LINE	686.2	686.2	120776.8
8. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	909.2
9. GROSS THERMAL ENERGY GENERATED (MWH)	1604976	1604976	257287337
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	524149	524149	83375706
11. NET ELECTRICAL ENERGY GENERATED (MWH)	500249	500249	78340635
12. REACTOR SERVICE FACTOR	93.7	93.7	80.0
13. REACTOR AVAILABILITY FACTOR	93.7	93.7	82.2
14. UNIT SERVICE FACTOR	92.2	92.2	77.4
15. UNIT AVAILABILITY FACTOR	92.2	92.2	78.0
16. UNIT CAPACITY FACTOR (Using MDC)	87.4	87.4	65.3
17. UNIT CAPACITY FACTOR (Using Design kW)	85.2	85.2	63.6
18. UNIT FORCED OUTAGE RATE	0.0	0.0	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	_____	_____

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APPENDIX D
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-254

UNIT NAME QUAD CITIES UNIT ONE

DATE February 5, 1990

REPORT MONTH January, 1990

COMPLETED BY Lynne Deelsnyder

TELEPHONE 309-654-2241

NO.	DATE	TYPE M OR S	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE	COMPONENT CODE	CORRECTIVE ACTIONS/COMMENTS
90-1	900120	S	57.8	B	2	<i>[Signature]</i>		VALVEX	Reactor Shutdown for Relief Valve Maintenance

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-254

UNIT One

DATE February 5, 1990

COMPLETED BY Lynne Deelsnyder

TELEPHONE 309-654-2241

MONTH January, 1990

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>678</u>
2	<u>720</u>
3	<u>659</u>
4	<u>685</u>
5	<u>729</u>
6	<u>736</u>
7	<u>736</u>
8	<u>737</u>
9	<u>738</u>
10*	<u>738</u>
11	<u>738</u>
12	<u>737</u>
13	<u>736</u>
14	<u>736</u>
15	<u>744</u>
16	<u>783</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>713</u>
18	<u>702</u>
19	<u>749</u>
20	<u>1</u>
21	<u>60</u>
22	<u>161</u>
23	<u>737</u>
24	<u>787</u>
25	<u>786</u>
26	<u>788</u>
27	<u>777</u>
28	<u>748</u>
29	<u>734</u>
30	<u>759</u>
31	<u>781</u>

Dead Cities 1 incurred one scheduled outage during January for relief valve maintenance.

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.

QUAD CITIES REFUELING
INFORMATION REQUEST

1. Unit: Q1 Reload: 10 Cycle: 11
2. Scheduled date for next refueling shutdown: 10-6-90
3. Scheduled date for restart following refueling: 12-11-90
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:

JULY 6, 1990
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: 1537
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

II. SUMMARY OF OPERATING EXPERIENCE

A. Unit One

Unit One began the month of January operating at 96% limited power capability due to feedwater heaters out-of-service. From January 1 through January 15, power levels were adjusted according to the demands of the Chicago Load Dispatcher. Normal operational activities occurred, and routine surveillances were performed.

On January 15, feedwater heaters 1B1 and 1C1 were returned to service and an ascent to full power was taken. At 1952 hours, 820 MWe was achieved. On January 17, at 1725 hours, the 1C Reactor Feed Pump was discovered to have a seal line nipple crack. Load was reduced to compensate for reduced feedwater capacity due to a leak discovered in the 1A Reactor Feed Pump casing. The 1B Reactor Feed Pump was started while the 1A Reactor Feed Pump was shut down. At 1910 hours, power levels were reduced to within one feed pump capability, and the 1C Reactor Feed Pump was stopped.

On January 18, after repairs were made to the 1C Reactor Feed Pump and the pump was returned to service, power levels were adjusted according to the demands of the Chicago Load Dispatcher.

On January 20, at 0126 hours, the reactor was manually scrammed for a scheduled weekend outage for the purpose of performing maintenance on the 3B and 3C main steam safety relief valves. Repairs were made, and the valves were successfully tested. Reactor startup was commenced, and on January 22, at 0037 hours, the reactor became critical. At 1100 hours, the generator was synchronized to the grid. An ascent to full power was begun and achieved on January 23.

For the remainder of the month, normal operational activities occurred and routine surveillances were performed. Power levels were adjusted according to the demands of the Load Dispatcher.

B. Unit Two

Unit Two began the month of January operating at approximately 450 MWe. A drywell entry was completed at the end of December to identify the source of leakage indicated by Drywell Floor Drain Pump flows. From January 1 through January 13, the unit remained near maximum attainable power levels and were adjusted at the direction of the Load Dispatcher.

On January 13, at 1100 hours, a scheduled shutdown was commenced to repair known leaks inside the drywell. At 1700 hours, the generator was taken off-line. At 2350 hours, a manual scram was inserted and reactor shutdown was commenced. Leaks from four valves in the drywell were repaired during the shutdown.

On January 14, reactor startup was commenced, and at 2155 hours, the reactor became critical. On January 15, at 0507 hours, the generator was synchronized to the grid. Until January 17, power levels remained near 450 MWe to monitor drywell leakage rate. On January 18, power was increased to full capability and for the remainder of the month, the unit operated near maximum attainable power levels in coastdown operation.