

OMAHA PUBLIC POWER DISTRICT
Fort Calhoun Station Unit No. 1

JANUARY 1997
Monthly Operating Report

1. OPERATIONS SUMMARY

The Fort Calhoun Station (FCS) was at 30% of rated power on January 1, 1997 following the steam leak repairs on the orifice downstream of MOV-CV that occurred on December 31, 1996. At 2338 hours on January 1, 1997, FCS began to increase power after clearing a hold for Steam Generator chemistry. The Station reached 100% of rated power at 2053 hours on January 2, 1997 and continued to operate at a nominal 100% power level for the remainder of the month.

As a result of the Millstone Unit 2 Licensee Event Report (LER), which reported a problem with the failure to account for steamline pressure drops in the calculation of the Main Steam Safety Valve (MSSV) setpoints, OPPD investigated if similar issues existed at FCS. Although it was determined on January 22, 1997 that MSSV chatter is not an issue at FCS, it was concluded that the number and location of inoperable MSSVs allowed by FCS Technical Specifications could have placed the plant outside of its design basis. OPPD is performing the necessary analyses to update the design basis of the plant and is providing additional guidance to the operating staff to ensure that the revised design basis is maintained. See LER 97-001 for additional details.

2. SAFETY VALVES OR PORV CHALLENGES OR FAILURES WHICH OCCURRED

During the month of January 1997, no power operated relief valve (PORV) or primary system safety valve challenges or failures occurred.

3. RESULTS OF LEAK RATE TESTS

The reactor coolant system (RCS) leak rate was steady throughout the month continuing the trend of minimal RCS leakage following the 1996 Refueling Outage. January daily leak rates were constant at approximately 0.1 to 0.2 gpm.

4. CHANGES, TESTS AND EXPERIMENTS REQUIRING NUCLEAR REGULATORY COMMISSION AUTHORIZATION PURSUANT TO 10CFR50.59

<u>Amendment No.</u>	<u>Description</u>
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None

5. SIGNIFICANT SAFETY RELATED MAINTENANCE FOR THE MONTH OF JANUARY 1997

- Adjusted level indication on Diesel Generator No. 2 (DG-2) fuel oil day tank
- Replaced battery pack and calibrated DG-2 Fuel Oil Rotary Meter FE-2122
- Replaced battery pack and calibrated DG-1 Fuel Oil Flow Indicator FE-2123
- Replaced Solenoid Valve HCV-474-20 per ECN 95-369
- Replaced Breaker MCC-3A2-F02 per ECN 96-356
- Replaced transmitter on Radiation Monitor RM-062
- Replaced Raw Water Pump AC-10B Discharge Check Valve RW-121
- Troubleshoot, removed, and replaced the compressor for Control Room Air Conditioning Unit VA-46A
- Replaced racking mechanism parts on Breaker Unit 1B4A-5 (Screen Wash Pump CW-3B; Feed to Local Contactor)
- Replaced GE CR120 relay on 94B/PE-5A (control relay for HCV-2899A/B/C/D)

6. OPERATING DATA REPORT

Attachment I

7. AVERAGE DAILY UNIT POWER LEVEL

Attachment II

8. UNIT SHUTDOWNS AND POWER REDUCTIONS

Attachment III

9. REFUELING INFORMATION, FORT CALHOUN STATION UNIT NO. 1

Attachment IV

ATTACHMENT I
OPERATING DATA REPORT

DOCKET NO.	50-285
UNIT	FORT CALHOUN STATION
DATE	FEBRUARY 10, 1997
COMPLETED BY	M. L. EDWARDS
TELEPHONE	402-533-6929

OPERATING STATUS

1. Unit Name: FORT CALHOUN STATION
2. Reporting Period: JANUARY 1997

NOTES

3. Licensed Thermal Power (MWt): 1500
4. Nameplate Rating (Gross MWe): 502
5. Design Elec. Rating (Net MWe): 478
6. Max. Dep. Capacity (Gross MWe): 502
7. Max. Dep. Capacity (Net MWe): 478

8. If changes occur in Capacity Ratings (3 through 7) since last report, give reasons:
N/A

9. Power Level to which restricted, if any (Net MWe): N/A

10. Reasons for restrictions, if any:
N/A

	THIS MONTH	YR-TO-DATE	CUMULATIVE
11. Hours in Reporting Period.....	744.0	744.0	204722.0
12. Number of Hours Reactor was Critical	744.0	744.0	161435.6
13. Reactor Reserve Shutdown Hours.....	.0	.0	1309.5
14. Hours Generator On-line.....	744.0	744.0	159611.8
15. Unit Reserve Shutdown Hours.....	.0	.0	.0
16. Gross Thermal Energy Generated (MWH)	1081758.8	1081758.8	213585638.8
17. Gross Elec. Energy Generated (MWH)..	368158.0	368158.0	70586391.1
18. Net Elec. Energy Generated (MWH)....	351391.9	351391.9	67337513.2
19. Unit Service Factor.....	100.0	100.0	78.0
20. Unit Availability Factor.....	100.0	100.0	78.0
21. Unit Capacity Factor (using MDC Net)	98.8	98.8	71.0
22. Unit Capacity Factor (using DER Net)	98.8	98.8	69.5
23. Unit Forced Outage Rate.....	.0	.0	4.0

24. Shutdowns scheduled over next 6 months (type, date, and duration of each):
N/A

25. If shut down at end of report period, estimated date of startup: _____

26. Units in test status (prior to comm. oper.): Forecast Achieved

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

N/A

ATTACHMENT II
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-285
UNIT	FORT CALHOUN STATION
DATE	FEBRUARY 10, 1997
COMPLETED BY	M. L. EDWARDS
TELEPHONE	402-533-6929

MONTH JANUARY 1997

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	106
2	367
3	487
4	488
5	489
6	489
7	489
8	489
9	489
10	489
11	489
12	489
13	488
14	488
15	488
16	488

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

17	488
18	489
19	489
20	489
21	489
22	489
23	489
24	489
25	488
26	488
27	489
28	488
29	489
30	489
31	489

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.

ATTACHMENT III
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-285
UNIT NAME Fort Calhoun St.
DATE February 10, 1997
COMPLETED BY M. L. Edwards
TELEPHONE (402) 533-6929

REPORT MONTH January 1997

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
None									

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Other (Explain)

4
Exhibit F - Instructions
for Preparation of Data
Entry Sheets for Licensee
Event Report (LER) File (NUREG-0161)

5
Exhibit H - Same Source

(9/77)

Attachment IV
Refueling Information
Fort Calhoun Station Unit No. 1

Report for the month ending: <u>January 31, 1997</u>	
1. Scheduled date for next refueling shutdown.	March 21, 1998
2. Scheduled date for restart following refueling.	May 2, 1998
3. Will refueling or resumption of operations thereafter require a technical specification change or other license amendment?	No
a. If answer is yes, what, in general, will these be?	N/A
b. If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload?	No
c. If no such review has taken place, when is it scheduled?	Prior to May 2, 1998
4. Scheduled date(s) for submitting proposed licensing action and support information.	No submittal required
5. 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
6. The number of fuel assemblies: a) in the core b) in the spent fuel pool c) spent fuel pool storage capacity	133 Assemblies 662 Assemblies 1083 Assemblies
7. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.	2007 Outage
Prepared by: <u><i>M. J. A.</i></u> Date: <u>2/10/97</u>	