

OPERATING DATA REPORT

DOCKET NO. 50-267  
DATE March 8, 1983  
COMPLETED BY L. M. McBride  
TELEPHONE (303) 785-2224

OPERATING STATUS

1. Unit Name: Fort St. Vrain
2. Reporting Period: 830201 through 830228
3. Licensed Thermal Power (Mwt): 842
4. Nameplate Rating (Gross MWe): 342
5. Design Electrical Rating (Net MWe): 330
6. Maximum Dependable Capacity (Gross MWe): 342
7. Maximum Dependable Capacity (Net MWe): 330
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
NONE
9. Power Level To Which Restricted, If Any (Net MWe): 231
10. Reasons for Restrictions, If Any: Restriction to 70% pending resolution of contractual matters.

NOTES

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	<u>672</u>	<u>1,416</u>	<u>32,137</u>
12. Number of Hours Reactor Was Critical	<u>240.2</u>	<u>901.0</u>	<u>20,647.7</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>132.0</u>	<u>778.7</u>	<u>13,953.2</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>45,880.5</u>	<u>403,775.7</u>	<u>7,193,201.1</u>
17. Gross Electrical Energy Generated (MWH)	<u>7,728</u>	<u>129,790</u>	<u>2,456,694</u>
18. Net Electrical Energy Generated (MWH)	<u>2,570</u>	<u>116,595</u>	<u>2,239,705</u>
19. Unit Service Factor	<u>19.6</u>	<u>55.0</u>	<u>43.4</u>
20. Unit Availability Factor	<u>19.6</u>	<u>55.0</u>	<u>43.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>1.2</u>	<u>25.0</u>	<u>21.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>1.2</u>	<u>25.0</u>	<u>21.1</u>
23. Unit Forced Outage Rate	<u>80.4</u>	<u>45.0</u>	<u>37.4</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>830301 through 830312 (288 hrs) for plant recovery; 830323 through 830412 (504 hrs) for surveillance testing.</u>		
25. If Shut Down at End of Report Period, Estimated Date of Startup:	<u>830312</u>		
26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved	
INITIAL CRITICALITY	<u>N/A</u>	<u>N/A</u>	
INITIAL ELECTRICITY	<u>N/A</u>	<u>N/A</u>	
COMMERCIAL OPERATION	<u>1</u>	<u>N/A</u>	

8303250009 830308  
PDR ADCK 05000267  
R PDR

AVERAGE DAILY UNIT POWER LEVEL

TSP-3  
Attachment-3A  
Issue 2  
Page 1 of 1

Docket No. 50-267

Unit Fort St. Vrain #1

Date March 8, 1983

Completed By L. M. McBride

Telephone (303) 785-2224

Month February, 1983

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>22.0</u>
9	<u>0</u>
10	<u>15.8</u>
11	<u>46.1</u>
12	<u>48.0</u>
13	<u>43.3</u>
14	<u>60.2</u>
15	<u>29.1</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>N/A</u>
30	<u>N/A</u>
31	<u>N/A</u>

\*Generator on line but no net generation.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-267

UNIT NAME Fort St. Vrain #1

DATE March 8, 1983

COMPLETED BY L. M. McBride

TELEPHONE (303) 785-2224

REPORT MONTH February, 1983

NO.	DATE	TYPE	DURATION	REASON	METHOD OF SHUTTING DOWN REACTOR	LER #	SYSTEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
83-001	830201	F	173.7	H	3	N/A	IBH	INSTRU	Reactor scram and turbine trip on 830128 due to moisture ingress. Purification system operation and plant start-up.
83-002	830208	F	38.7	D	4	83-003 - L - 0	CBI	ZZZZZZ	The turbine-generator was manually taken off-line to allow decreasing primary coolant temperature/pressure to prevent exceeding moisture limits of the Technical Specifications. Reactor remained critical.
83-003	830210	F	2.1	H	4	N/A	IBH	INSTRU	Turbine-generator protective trip due to low main steam temperature. Reactor remained critical.
83-004	830215	F	325.5	A	2	83-007 - L - 0	EDD	GENERA	Manual reactor scram and turbine generator trip upon loss of "B" instrument bus. Instrument bus loss due to blown inverter fuse. Remained shutdown due to primary coolant impurities.

REFUELING INFORMATION

1. Name of Facility.	Fort St. Vrain Unit No. 1
2. Scheduled date for next refueling shutdown.	September 1, 1983
3. Scheduled date for restart following refueling.	November 1, 1983
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?	Yes
If answer is yes, what, in general, will these be?	Use of type H-451 graphite.
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 (Reference 10CFR Section 50.59)?	-----
If no such review has taken place, when is it scheduled?	-----
5. Scheduled date(s) for submitting proposed licensing action and supporting information.	Not scheduled at this time; to be determined.
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.	-----
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.	1482 HTGR fuel elements. 11 spent HTGR fuel elements
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.	Capacity is limited in size to about one-third of core (approximately 500 HTGR elements). No change is planned.

REFUELING INFORMATION (CONTINUED)

- |   |  |
|---|--|
| 9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity. | 1992 under Agreements AT(04-3)-633 and DE-SC07-79ID01370 between Public Service Company of Colorado, General Atomic Company, and DOE.* |
|---|--|

\* The 1992 estimated date is based on the understanding that spent fuel discharged during the term of the Agreements will be stored by DOE at the Idaho Chemical Processing Plant. The storage capacity has evidently been sized to accommodate eight fuel segments. It is estimated that the eighth fuel segment will be discharged in 1992.