

OPERATING DATA REPORT

DOCKET NO. 50-267

DATE 791101

COMPLETED BY J. W. Gahm

TELEPHONE (303) 785-2253

OPERATING STATUS

NOTES

1. Unit Name: Fort St. Vrain, Unit No. 1

2. Reporting Period: 791001 thru 791031

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: Nuclear Regulatory Commission restriction (70%)
pending resolution of temperature fluctuations.

	This Month	Year to Date *	Cumulative *
11. Hours in Reporting Period	<u>745</u>	<u>2,953</u>	<u>2,953</u>
12. Number of Hours Reactor Was Critical	<u>613.9</u>	<u>2,419.8</u>	<u>2,419.8</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>340.4</u>	<u>982.2</u>	<u>982.2</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>147,847</u>	<u>476,555</u>	<u>476,555</u>
17. Gross Electrical Energy Generated (MWH)	<u>46,367</u>	<u>140,796</u>	<u>140,796</u>
18. Net Electrical Energy Generated (MWH)	<u>41,716</u>	<u>123,584</u>	<u>123,584</u>
19. Unit Service Factor	<u>45.7%</u>	<u>33.3%</u>	<u>33.3%</u>
20. Unit Availability Factor	<u>45.7%</u>	<u>33.3%</u>	<u>33.3%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>17.0%</u>	<u>12.7%</u>	<u>12.7%</u>
22. Unit Capacity Factor (Using DER Net)	<u>17.0%</u>	<u>12.7%</u>	<u>12.7%</u>
23. Unit Forced Outage Rate	<u>44.1%</u>	<u>65.1%</u>	<u>65.1%</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Maintenance Shutdown Began October 26, 1979. Scheduled to last 45 days.

25. If Shut Down at End of Report Period, Estimated Date of Startup: December 10, 1979

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

Forecast

Achieved

740201

740131

7612

761211

790701

790701

791119324

*Totals corrected to refer to July 1, 1979, commercial operation date, as starting point.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-267
 UNIT NAME Fort St. Vrain, Unit No. 1
 DATE 791101
 COMPLETED BY J. W. Gahm
 TELEPHONE (303) 785-2253

REPORT MONTH October, 1979

NO.	DATE	TYPE	DURATION	REASON	METHOD OF SHUTTING DOWN REACTOR	LER #	SYSTEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
79-12	790901	F	37.1	H	4	79-035/01-T	ZZ	SUPPORT	Due to inconsistencies discovered in a random sample of safety related piping, Public Service Company elected to initiate an orderly shutdown of the plant. Reactor restarted September 15, 1979, but generator remained off line due to low power levels.
79-13	791014	F	231.0	H	N/A	N/A	N/A	N/A	Turbine tripped on low steam temperature. Reactor not shutdown.
79-14	791026	S	136.5	B	2	N/A	N/A	N/A	Scheduled shutdown for plant maintenance and installation of region constraint devices.

SUMMARY: Scheduled to remain shutdown through November to perform required plant maintenance and to install the region constraint devices.

1366 311

770 285

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-267

Unit Fort St. Vrain, Unit No. 1

Date 791101

Completed By J. W. Gahm

Telephone (303) 785-2253

Month October, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>-0-</u>
2	<u>15</u>
3	<u>63</u>
4	<u>76</u>
5	<u>85</u>
6	<u>92</u>
7	<u>108</u>
8	<u>132</u>
9	<u>152</u>
10	<u>154</u>
11	<u>176</u>
12	<u>182</u>
13	<u>194</u>
14	<u>49</u>
15	<u>-0-</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>106</u>
25	<u>197</u>
26	<u>39</u>
27	<u>-0-</u>
28	<u>-0-</u>
29	<u>-0-</u>
30	<u>-0-</u>
31	<u>-0-</u>

*Generator on line but no net generation.

1366 312

170 286

REFUELING INFORMATION

1. Name of Facility.	Fort St. Vrain, Unit No. 1
2. Scheduled date for next refueling shutdown.	September 1, 1980
3. Scheduled date for restart following refueling.	November 1, 1980
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?	No
If answer is yes, what, in general, will these be?	
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)?	The Plant Operations Review Committee will review any questions associated with the core reload.
If no such review has taken place, when is it scheduled?	March 1, 1980
5. Scheduled date(s) for submitting proposed licensing action and supporting information.	-----
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.	a) 1482 HTGR fuel elements. b) 244 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.

170 287

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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.	1986 under the Three Party Agreement (Contract AT (04-3)-633) between DOE, Public Service Company of Colorado (PSCo), and General Atomic Company.*
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*The 1986 date is based on the understanding that spent fuel discharged during the term of the Three Party Agreement will be shipped to the Idaho National Engineering Laboratory for storage by DOE at the Idaho Chemical Processing Plant (ICPP). The storage capacity has evidently been sized to accomodate fuel which is expected to be discharged during the eight year period covered by the Three Party Agreement.

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1710 288