OPERATING DATA REPORT

DOCKET NO. 50-267
DATE 790801
COMPLETED BY J. W. Gahm
TELEPHONE (303) 785-2253

OPERATING STATUS

NOTES

1. Unit Name: Fort St. Vrain, Unit No. 1
2. Reporting Period: 790701 to 790731
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 certain Final Safety Analysis Report and Technical Specification bases discrepancies. This unit is in startup phase following refueling and turbine generator overhaul.

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	744	5,087	744
12. Number of Hours Reactor Was Critical	696.9	1,843.3	15,317.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	85.6	750.9	8,593.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	59,139	374,884	3,577,882
17. Gross Electrical Energy Generated (MWH)	4,522	114,374	1,062,644
18. Net Electrical Energy Generated (MWH)	0	101,177	952,628
19. Unit Service Factor	11.5%	11.5%	11.5%
20. Unit Availability Factor	11.5%	11.5%	11.5%
21. Unit Capacity Factor (Using MDC Net)	0.0%	0.0%	0.0%
22. Unit Capacity Factor (Using DER Net)	0.0%	0.0%	0.0%
23. Unit Forced Outage Rate	88.5%	88.5%	88.5%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Maintenance Shutdown, October 20, 1979, 30 days
25. If Shut Down at End of Report Period, Estimated Date of Startup: 8-3-79
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	740201	740131
INITIAL ELECTRICITY	7612	761211
COMMERCIAL OPERATION	790701	790701

UNIT SHUTDOWNS AND POWER REDUCTONS

DOCKET NO. 50-267
UNIT NAME Fort St. Vrain, Unit No. 1
DATE 790801
COMPLETED BY J. W. Gahm
TELEPHONE (303) 785-2253

REPORT MONTH July, 1979

NO.	DATE	TYPE	DURATION	REASON	METHOD OF SHUTTING DOWN REACTOR	LER #	SYSTEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
79-04	790201	F	542.3	A	4	79-03/03-L-0	HH	PUMPXX	Excessive gland leakage on "B" boiler feed pump concurrent with inoperable "C" boiler feed pump necessitated controlled reactor shutdown on February 1, 1979, per LCO 4.3.2. Scheduled reactor shutdown for refueling was changed from March 1, 1979, to February 1, 1979. Thus shutdown number 79-04 has extended through February, March, April, May, and June, 1979. Upon completion of turbine generator overhaul and achievement of sufficient reactor power, first generation following shutdown 79-04 occurred on 7-23-79.
79-05	790724	F	47.5	H	N/A	N/A	N/A	N/A	Turbine generator taken off line due to field ground relay problems. Reactor was not shutdown.
79-06	790726	S	1.9	B	N/A	N/A	N/A	N/A	Turbine generator taken off line in order to perform overspeed tests. Reactor not shutdown.
79-07	790728	F	53.0	H	N/A	N/A	N/A	N/A	Turbine tripped from high vibration. Loop 2 shutdown occurred. Reactor power reduced to approximately 2% for Loop 2 recovery.

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UNIT SHUTDOWNS AND POWER REDUCTONS

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REPORT MONTH July, 1979 (continued)

NO.	DATE	TYPE	DURATION	REASON	METHOD OF SHUTTING DOWN REACTOR	LER #	SYSTEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
79-08	790731	F	13.7	H	3	N/A	N/A	N/A	While transferring to partial arc on the main turbine generator, throttle pressure dropped and load decreased 20 MW. During recovery, three circulators tripped, Loop 2 shutdown, reactor scrammed, and turbine tripped. Generator remained off line for balance of reporting period.

SUMMARY: Plan to continue operation for electric production and fluctuation testing until release to continue power ascension testing above 70% received from Nuclear Regulatory Commission.

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AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-267

Unit Fort St. Vrain, Unit No. 1

Date 790801

Completed By J. W. Gahm

Telephone (303) 785-2253

Month July, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	60
8	0	24	0*
9	0	25	0
10	0	26	661
11	0	27	1,095
12	0	28	292
13	0	29	0
14	0	30	385
15	0	31	563
16	0		

*Generator on line but no net generation.

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.

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.*

*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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