



# Public Service Company of Colorado

July 14, 1981  
Fort St. Vrain  
Unit No. 1  
P-81135



Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Fort St. Vrain Nuclear Generating  
Station  
Public Service Company of Colorado  
Docket No. 50-267  
Operating License DPR-34

Dear Sir:

Attached please find the June, 1981, Monthly Operating Information  
for the Fort St. Vrain Nuclear Generating Station.

Very truly yours,

Don Warehough  
Manager, Nuclear Production

DW/lrb

Attachment

cc: Mr. Karl V. Seyfrit  
Office of TPC

IE24  
3  
1/1

MONTHLY OPERATING INFORMATION DISTRIBUTION

	<u>Number of Copies</u>	
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Region IV Office of Inspection and Enforcement Nuclear Regulatory Commission 611 Ryan Plaza Drive Suite 1000 Arlington, Texas 76012		
Director - - - - -	2	(P Letter)
Office of Management Information and Program Control U. S. Nuclear Regulatory Commission Washington, D.C. 20555		
Tom Cintula - - - - -	1	(P Letter)
U. S. Nuclear Regulatory Commission 12105 National Maryland Bank Building Washington, D.C. 20555		
Mr. Richard Phelps - - - - -	1	(P Letter)
FSV, GA. Site Representative General Atomic Company P. O. Box 426 Platteville, Colorado 80551		
NRC Resident Site Inspector - - - - -	1	(P Letter)
Senior Vice President, Room 770 - - - - -	1	(P Letter)
Vice President, Electrical Engineering and Planning, 39th Avenue - - - - -	1	(P Letter)
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Nuclear Project Manager, Montbello - - - - -	1	(P Letter)
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Supervisor, Licensing and Administrative Services, Nuclear Project Department, Montbello - - - - -	1	(P Letter)
Supervisor, Project Engineering, Nuclear Project Department, Montbello - - - - -	1	(P Letter)
Documents Control Technician, Montbello - - - - -	2	(2 P Letters)
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Nuclear Production Manager - - - - -	1	(P Letter)
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Administrative Services Manager - - - - -	1	(P Letter)
NORC Committee - - - - -	1	(P Letter)
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Gas Cooled Reactor Associates - - - - -	1	(P Letter)
Attention: Mr. R. A. Evans 3344 North Torrey Pines Court Suite 300 LaJolla, California 92037		
Electric Power Research Institute - - - - -	1	(P Letter)
Attention: Mr. Melvin E. Lapidus 3412 Hillview Avenue P. O. Box 10412 Palo Alto, California 94303		

# OPERATING DATA REPORT

DOCKET NO. 50-267

DATE 810701

COMPLETED BY L. M. McBride

TELEPHONE (303) 785-2224

## OPERATING STATUS

NOTES

1. Unit Name: Fort St. Vrain
2. Reporting Period: 810601 through 810630
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: NRC restriction 70% pending resolution of temperature fluctuations

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	<u>720</u>	<u>4,343</u>	<u>17,544</u>
12. Number of Hours Reactor Was Critical	<u>0.0</u>	<u>2,667.5</u>	<u>11,800.7</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>0.0</u>	<u>2,131.5</u>	<u>7,824.8</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>0.0</u>	<u>1,102,586.8</u>	<u>3,810,679.6</u>
17. Gross Electrical Energy Generated (MWH)	<u>0.0</u>	<u>400,445</u>	<u>1,272,239</u>
18. Net Electrical Energy Generated (MWH)	<u>0.0</u>	<u>369,305</u>	<u>1,168,606</u>
19. Unit Service Factor	<u>0.0</u>	<u>49.1%</u>	<u>44.6%</u>
20. Unit Availability Factor	<u>0.0</u>	<u>49.1%</u>	<u>44.6%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>25.8%</u>	<u>20.2%</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>25.8%</u>	<u>20.2%</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>35.8%</u>	<u>36.9%</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Maintenance/  
modification shutdown September 1, 1981 lasting 4 months.
25. If Shut Down at End of Report Period, Estimated Date of Startup: July 20, 1981

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

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

Forecast

Achieved

N/A

N/A

N/A

N/A

N/A

N/A

*dup 810721005*

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-267UNIT NAME Fort St. VrainDATE 810701COMPLETED BY L. M. McBrideREPORT MONTH June, 1981TELEPHONE (303) 785-2224

NO.	DATE	TYPE	DURATION	REASON	METHOD OF SHUTTING DOWN REACTOR	LEE #	SYSTEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
81-17	810520	S	720	C	N/A	N/A	N/A	N/A	Continued refueling outage begun May 20, 1981.

Summary: Upon completion of refueling, and post refueling testing plan to continue Fort St. Vrain's power ascension program.

# AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-267

Unit Fort St. Vrain

Date 810701

Completed By L. M. McBride

Telephone (303) 785-2224

Month June

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0.0</u>
2	<u>0.0</u>
3	<u>0.0</u>
4	<u>0.0</u>
5	<u>0.0</u>
6	<u>0.0</u>
7	<u>0.0</u>
8	<u>0.0</u>
9	<u>0.0</u>
10	<u>0.0</u>
11	<u>0.0</u>
12	<u>0.0</u>
13	<u>0.0</u>
14	<u>0.0</u>
15	<u>0.0</u>
16	<u>0.0</u>

DAY AVERAGE DAILY POWER LEVEL  
(mWe-Net)

17	<u>0.0</u>
18	<u>0.0</u>
19	<u>0.0</u>
20	<u>0.0</u>
21	<u>0.0</u>
22	<u>0.0</u>
23	<u>0.0</u>
24	<u>0.0</u>
25	<u>0.0</u>
26	<u>0.0</u>
27	<u>0.0</u>
28	<u>0.0</u>
29	<u>0.0</u>
30	<u>0.0</u>
31	<u>N/A</u>

\*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.	May 20, 1981 (In progress)
3. Scheduled date for restart following refueling.	July 20, 1981
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)?	Yes
If no such review has taken place, when is it scheduled?	-----
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.	Peripheral fuel elements changed from thin thorium buffer to thick thorium buffer.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.	a) 1482 HTGR fuel elements. b) 178 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.*
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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.

# OPERATING DATA REPORT

DOCKET NO. 50-267

DATE 810701

COMPLETED BY L. M. McBride

TELEPHONE (303) 785-2224

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NOTES

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

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

Forecast

Achieved

N/A

N/A

N/A

N/A

N/A

N/A



# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-267  
 UNIT NAME Fort St. Vrain  
 DATE 810701  
 COMPLETED BY L. M. McBride  
 TELEPHONE (303) 785-2224

REPORT MONTH June, 1981

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Docket No. 50-267

Unit Fort St. Vrain

Date 810701

Completed By L. M. McBride

Telephone (303) 785-2224

Month June

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

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4	<u>0.0</u>
5	<u>0.0</u>
6	<u>0.0</u>
7	<u>0.0</u>
8	<u>0.0</u>
9	<u>0.0</u>
10	<u>0.0</u>
11	<u>0.0</u>
12	<u>0.0</u>
13	<u>0.0</u>
14	<u>0.0</u>
15	<u>0.0</u>
16	<u>0.0</u>

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17	<u>0.0</u>
18	<u>0.0</u>
19	<u>0.0</u>
20	<u>0.0</u>
21	<u>0.0</u>
22	<u>0.0</u>
23	<u>0.0</u>
24	<u>0.0</u>
25	<u>0.0</u>
26	<u>0.0</u>
27	<u>0.0</u>
28	<u>0.0</u>
29	<u>0.0</u>
30	<u>0.0</u>
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\*Generator on line but no net generation.

# REFUELING INFORMATION

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