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16805 WCR 19 1/2, Platteville, Colorado 80651

January 15, 1992  
Fort St. Vrain  
Unit No. 1  
P-92006

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Docket No. 50-267

SUBJECT: DECEMBER, 1991, MONTHLY DEFUELING  
OPERATIONS REPORT

REFERENCE: Facility Operating  
License Number DPR-34

Dear Sirs:

Enclosed, please find the Monthly Defueling Operations report for the month of December, 1991, submitted per the requirements of Fort St. Vrain Technical Specification AC 7.5.1.

If you have any questions, please contact Mr. M. H. Holmes at (303) 480-6960.

Sincerely,

*D. W. Warembourg*  
D. W. Warembourg  
Manager, Nuclear Production  
Fort St. Vrain Nuclear  
Generating Station

DWW:MLB/as

Enclosure

cc: Regional Administrator, Region IV

Mr. J. B. Baird  
Senior Resident Inspector  
Fort St. Vrain

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PDR ADOCK 05000267  
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PUBLIC SERVICE COMPANY OF COLORADO  
FORT ST. VRAIN NUCLEAR GENERATING STATION

MONTHLY DEFUELING OPERATIONS REPORT

NO. 215

December, 1991

This report contains the highlights of the Fort St. Vrain, Unit No. 1, activities operated under the provisions of the Nuclear Regulatory Commission Operating License No. DPR-34. This report is for the month of December, 1991.

1.0 NARRATIVE SUMMARY OF OPERATING EXPERIENCE AND MAJOR SAFETY RELATED MAINTENANCE

The reactor remained shutdown the entire month of December, 1991, following Public Service Company of Colorado's decision to end nuclear operation at Fort St. Vrain.

On December 27, 1991, the first load of six fuel elements was deposited in the Fort St. Vrain Independent Spent Fuel Storage Installation (ISFSI). During the month of December, a total of eighteen fuel elements were deposited in the ISFSI.

2.0 SINGLE RELEASES OF RADIOACTIVITY OR RADIATION EXPOSURE IN EXCESS OF 10% OF THE ALLOWABLE ANNUAL VALUE

None

3.0 INDICATION OF FAILED FUEL RESULTING FROM IRRADIATED FUEL EXAMINATIONS

None

4.0 MONTHLY OPERATING DATA REPORT

Attached

OPERATING DATA REPORT

BUCKET NO. 50-267  
 DATE January 15, 1991  
 COMPLETED BY M. J. Block  
 TELEPHONE (303) 620-1319

OPERATING STATUS

NOTES

1. Unit Name: Fort St. Vrain, Unit No. 1
2. Reporting Period: 911201 through 911231
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): 0.0
10. Reasons For Restrictions, If Any: Fort St. Vrain ceased nuclear operation on August 29, 1989.

	This Month	Year To Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>8,760</u>	<u>109,609</u>
12. Number Of Hours Reactor Was Critical	<u>N/A</u>	<u>N/A</u>	<u>40,576.7</u>
13. Reactor Reserve Shutdown Hours	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
14. Hours Generator On-Line	<u>N/A</u>	<u>N/A</u>	<u>27,777.4</u>
15. Unit Reserve Shutdown Hours	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
16. Gross Thermal Energy Generated (MWH)	<u>N/A</u>	<u>N/A</u>	<u>14,450,600.2</u>
17. Gross Electrical Energy Generated (MWH)	<u>N/A</u>	<u>N/A</u>	<u>4,836,834.0</u>
18. Net Electrical Energy Generated (MWH)	<u>-1,841</u>	<u>-19,527</u>	<u>4,232,152</u>
19. Unit Service Factor	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
20. Unit Availability Factor	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
21. Unit Capacity Factor (Using MDC Net)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
22. Unit Capacity Factor (Using DER Net)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
23. Unit Forced Outage Rate	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>Fort St. Vrain ceased nuclear operation on August 29, 1989.</u>		
25. If Shut Down At End Of Report Period, Estimated Date Of Startup:	<u>N/A</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>N/A</u>	<u>N/A</u>	

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-267

Unit Fort St. Vrain Unit No. 1

Date January 15, 1992

Completed By M. L. Block

Telephone (303) 620-1313

Month DECEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0.0</u>	17	<u>0.0</u>
2	<u>0.0</u>	18	<u>0.0</u>
3	<u>0.0</u>	19	<u>0.0</u>
4	<u>0.0</u>	20	<u>0.0</u>
5	<u>0.0</u>	21	<u>0.0</u>
6	<u>0.0</u>	22	<u>0.0</u>
7	<u>0.0</u>	23	<u>0.0</u>
8	<u>0.0</u>	24	<u>0.0</u>
9	<u>0.0</u>	25	<u>0.0</u>
10	<u>0.0</u>	26	<u>0.0</u>
11	<u>0.0</u>	27	<u>0.0</u>
12	<u>0.0</u>	28	<u>0.0</u>
13	<u>0.0</u>	29	<u>0.0</u>
14	<u>0.0</u>	30	<u>0.0</u>
15	<u>0.0</u>	31	<u>0.0</u>
16	<u>0.0</u>		

Nuclear Operations at Fort St. Vrain were terminated on August 29, 1989.



Docket No. 50-267  
 Unit Fort St. Vrain Unit No. 1  
 Date January 15, 1992  
 Completed By M. L. Block  
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REFUELING INFORMATION

1. Name of Facility	Fort St. Vrain Unit No. 1
2. Scheduled date for next refueling shutdown.	None, no further refueling at FSV is expected.
3. Scheduled date for restart following refueling.	N/A
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?	N/A
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 10 CFR Section 50.59)?	N/A
If no such review has taken place, when is it scheduled?	N/A
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) 1024 HTGR fuel elements b) 422 HTGR fuel elements

REFUELING INFORMATION (CONTINUED)

<p>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.</p>	<p>Onsite capacity is limited in size to about one-third of core, 504 HTGR elements. Construction of an Independent Spent Fuel Storage Installation (ISFSI) with a capacity of 1620 FSV HTGR elements has been completed and the facility has been licensed by the NRC.*</p>
<p>9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.</p>	<p>No further refueling is anticipated at Fort St. Vrain.**</p>

\* The Independent Spent Fuel Storage Installation (ISFSI), which is presently undergoing fuel loading, will be capable of storing the entire FSV core (1482 HTGR fuel elements) with storage space for an additional 138 HTGR fuel elements.

\*\* Under Agreements AT(04-3)-633 and DE-SC07-79ID01370 between Public Service Company of Colorado, General Atomic Company, and DOE, spent fuel discharged during the defueling process will be stored by DOE at the Idaho Chemical Processing Plant. The storage capacity is presently limited to eight fuel segments. It is estimated that the eighth fuel segment will be discharged in 1992. Discussions concerning the disposition of ninth fuel segment are in progress with DOE. Nuclear Operations at Fort St. Vrain were terminated August 29, 1989.