



Public Service®

**Public Service
Company of Colorado**
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January 12, 1990
Fort St. Vrain
Unit No. 1
P-90022

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop P1-37
Washington, D.C. 20555

Docket No. 50-267

SUBJECT: DECEMBER 1989 MONTHLY
OPERATIONS REPORT

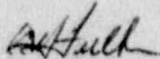
Dear Sirs:

Enclosed, please find the Monthly Operations Report for the month of December 1990, submitted per the requirements of Fort St. Vrain Technical Specification AC 7.5.1.

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

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

Sincerely,


Charles H. Fuller
Manager, Nuclear Production
Fort St. Vrain Nuclear
Generating Station

CHF:DLW/bhb

Enclosure

cc: Regional Administrator, Region IV
ATTN: Mr. T. F. Westerman, Chief
Projects Section B

Mr. Robert Farrell
Senior Resident Inspector
Fort St. Vrain

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

MONTHLY DEFUELING OPERATIONS REPORT

NO. 191

December, 1989

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, 1989.

1.0 NARRATIVE SUMMARY OF OPERATING EXPERIENCE AND MAJOR SAFETY RELATED MAINTENANCE

The reactor remained shutdown the entire month of December, 1989, following Public Service Company of Colorado's decision to end nuclear operation at Fort St. Vrain.

Preparations for defueling and decommissioning are proceeding.

During the month of December, 1989, all irradiated fuel elements were removed from regions 33, 25, 36, and 29. These fuel elements are currently being stored in the fuel storage wells.

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

DOCKET NO. 50-267

DATE January 15, 1990

COMPLETED BY M. L. Block

TELEPHONE (303) 620-1180

OPERATING STATUS

NOTES

1. Unit Name: Fort St. Vrain, Unit No. 1
2. Reporting Period: 891201 through 891231
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>744.0</u>	<u>8,760.0</u>	<u>92,089.0</u>
12. Number Of Hours Reactor Was Critical	<u>N/A</u>	<u>N/A</u>	<u>N/A</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>N/A</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>1,562,941.1</u>	<u>14,450,651.2</u>
17. Gross Electrical Energy Generated (MWH)	<u>N/A</u>	<u>576,430.0</u>	<u>4,836,834.0</u>
18. Net Electrical Energy Generated (MWH)	<u>-2,051.0</u>	<u>523,010.0</u>	<u>4,273,004.0</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): Fort St. Vrain ceased nuclear operation on August 29, 1989.

25. If Shut Down At End Of Report Period, Estimated Date Of Startup: N/A

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

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast

Achieved

<u>N/A</u>	<u>N/A</u>
<u>N/A</u>	<u>N/A</u>
<u>N/A</u>	<u>N/A</u>

AVERAGE DAILY UNIT POWER LEVEL

Month DECEMBER

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

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

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	0.0
18	0.0
19	0.0
20	0.0
21	0.0
22	0.0
23	0.0
24	0.0
25	0.0
26	0.0
27	0.0
28	0.0
29	0.0
30	0.0
31	0.0

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

DATE January 15, 1990

COMPLETED BY M. L. Block

TELEPHONE (303) 620-1180

REPORT MONTH DECEMBER, 1989

NO.	DATE	TYPE	DURATION	REASON	METHOD OF SHUTTING DOWN REACTOR	LER #	SYSTEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
89-09	891201	F	744.0	F	1	N/A	N/A	N/A	Nuclear Operations were terminated on August 29, 1989, see LER 89-018.

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) 1326 HTGR fuel elements b) 156 spent 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.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.	No further refueling is anticipated at Fort St. Vrain. *

- * 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 sized to accommodate eight fuel segments. It is estimated that the eighth fuel segment will be discharged in 1991. Discussions concerning the disposition of ninth fuel segment are in progress with DOE. Nuclear Operations at Fort St. Vrain were terminated August 29, 1989.