Public Service

Public Service
Company of Colorado
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April 15, 1991
Fort St. Vrain
Unit No. 1
P-91134

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

Docket No. 50-267

SUBJECT: MARCH, 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 March, 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,

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

CHF:DLW/bh

Enclosure

cc: Regional Administrator, Region IV

Mr. J. B. Baird
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. 206

March, 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 March, 1991.

1.0 NARRATIVE SUMMARY OF OPERATING EXPERIENCE AND MAJOR SAFETY RELATED MAINTENANCE

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

Preparations for shipping spent fuel are proceeding.

Construction of the Independent Spent Fuel Storage Installation (ISFSI) is proceeding.

On March 29, 1991, the Fort St. Vrain Defueling Emergency Response Plan (DERP) became effective, replacing the Radiological Emergency Response Plan (RERP).

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 April 15, 1991
COMPLETED BY M. L. Block
TELEPHONE (303) 620-1313

OPERATING STATUS

NOTES

1. Unit Name: Fort St. Vrain, Unit No. 1
2. Reporting Period: 910301 through 910331
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	744	2,160	103,009
12. Number Of Hours Reactor Was Critical	N/A	N/A	40,575.7
13. Reactor Reserve Shutdown Hours	N/A	N/A	N/A
14. Hours Generator On-Line	N/A	N/A	27,777.4
15. Unit Reserve Shutdown Hours	N/A	N/A	N/A
16. Gross Thermal Energy Generated (MWH)	N/A	N/A	14,450,651.2
17. Gross Electrical Energy Generated (MWH)	N/A	N/A	4,836,834.0
18. Net Electrical Energy Generated (MWH)	-1,740	-5,106	4,246,573
19. Unit Service Factor	N/A	N/A	N/A
20. Unit Availability Factor	N/A	N/A	N/A
21. Unit Capacity Factor (Using MDC Net)	N/A	N/A	N/A
22. Unit Capacity Factor (Using DER Net)	N/A	N/A	N/A
23. Unit Forced Outage Rate	N/A	N/A	N/A

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):	Forecast	Achieved
INITIAL CRITICALITY	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-267
Unit Fort St. Vrain Unit No. 1
Date April 15, 1991
Completed By M. L. Block
Telephone (303) 620-1313

Month MARCH

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

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-267
UNIT NAME Fort St. Vrain Unit No. 1
DATE April 15, 1991
COMPLETED BY M. L. Block
TELEPHONE (303) 620-1313

REPORT MONTH MARCH, 1991

NO.	DATE	TYPE	DURATION	REASON	METHOD OF SHUTTING DOWN REACTOR	LER #	SYSTEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
89-09	910201	F	744.0	F	1	N/A	N/A	N/A	Nuclear Operations were terminated on August 29, 1989, see LER 89-018.

Docket No. 50-267
Unit Fort St. Vrain Unit No. 1
Date April 15, 1991
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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) 452 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.	Current 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 is proceeding.*
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. **

* The Independent Spent Fuel Storage Installation (ISFSI) will be capable of storing the entire FSV core (1482 HTGR elements) with storage space for an additional 138 HTGR 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 sized to accommodate 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.