

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

MONTHLY OPERATIONS REPORT

NO. 137

June, 1985

8507240085 850630
PDR ADOCK 05000267
R PDR

IE24
1/1

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 DPR-34. This report is for the month of June, 1985.

1.0 NARRATIVE SUMMARY OF OPERATING EXPERIENCE AND MAJOR SAFETY RELATED MAINTENANCE

Helium Circulator "1C" was pulled, and new internals were installed. Problems were experienced with the new bolts, but the problems were resolved, and the circulator was reinstalled.

All major valve work was completed with the exception of HV-2224, HV-2251 and HV-31119.

Vacuum was established on June 30, 1985. On June 18, 1985, the annual Radiological Emergency Response Plan exercise was conducted. Official results have not yet been received from the Nuclear Regulatory Commission.

All control rod drive work has been completed including testing. The CRD secondary cover plates are on. All non-essential equipment has been removed from the Fuel Deck.

The electro hydraulic control system work was completed. The system has been flushed and returned to service. All hydraulic valves associated with this system have been calibrated and flushed.

Numerous problems were experienced when returning the recirculators to service after modification work. Results personnel have found the cause of the problem, which is being repaired.

Procedures for interim measurements called for due to Appendix R are in the process of being written and will be implemented prior to startup.

Operations continued training on shift for the new control rod drive operability Technical Specifications and the Four Minute Steam Pipe Rupture (environmental qualification) issue.

Proposals to rewrite the System Operating Procedures were received, and a contract was awarded. This work should begin on August 1, 1985 and be completed by December 31, 1985.

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 July 8, 1985
COMPLETED BY Frank Novachek
TELEPHONE (303) 785-2224

OPERATING STATUS

NOTES

1. Unit Name: Fort St. Vrain
2. Reporting Period: 850601 through 850630
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:
9. Power Level To Which Restricted, If Any (Net MWe): 280
10. Reasons for Restrictions, If Any: Per commitment to NRC, long term operation above 85% power pending completion of B0 startup testing.

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	<u>720</u>	<u>4,343</u>	<u>52,608</u>
12. Number of Hours Reactor Was Critical	<u>0.0</u>	<u>0.0</u>	<u>27,151.4</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>0.0</u>	<u>18,468</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>0.0</u>	<u>9,861,714.1</u>
17. Gross Electrical Energy Generated (MWH)	<u>0.0</u>	<u>0.0</u>	<u>3,248,594</u>
18. Net Electrical Energy Generated (MWH)	<u>-2,035</u>	<u>-12,282</u>	<u>2,915,676</u>
19. Unit Service Factor	<u>0.0</u>	<u>0.0</u>	<u>35.1</u>
20. Unit Availability Factor	<u>0.0</u>	<u>0.0</u>	<u>35.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>0.0</u>	<u>16.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>0.0</u>	<u>16.8</u>
23. Unit Forced Outage Rate	<u>100.0</u>	<u>100.0</u>	<u>52.7</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>850701 through 850801, 744 hours</u>		

25. If Shut Down at End of Report Period, Estimated Date of Startup: August 1, 1985

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

TSP-3
Attachment-3A
Issue 2
Page 1 of 1

Docket No. 50-267

Unit Fort St. Vrain

Date July 8, 1985

Completed By Frank Novachek

Telephone (303) 785-2224

Month June, 1985

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.

50-267
 UNIT NAME Fort St. Vrain
 DATE July 8, 1985
 COMPLETED BY Frank Novachek
 TELEPHONE (303) 785-2224

REPORT MONTH June, 1985

NO.	DATE	TYPE	DURATION	REASON	METHOD OF SHUTTING DOWN REACTOR	LER #	SYSTEM CODE	COMPONENT CODE	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
84-006	840601	F	720	A	3	50-267/84-008 50-267/85-002	AA AB	JC BLO	Control Rod Refurbishment and Circulator Bolting Changeout

REFUELING INFORMATION

1. Name of Facility	Fort St. Vrain Unit No. 1
2. Scheduled date for next refueling shutdown.	January 1, 1987
3. Scheduled date for restart following refueling.	February 1, 1987
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 10 CFR Section 50.59)?	No
If no such review has taken place, when is it scheduled?	1985
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) 137 spent fuel elements

REFUELING INFORMATION (CONTINUED)

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.	1992 under Agreements AT(04-3)-633 and DE-SC07-79ID01370 between Public Service Company of Colorado, and General Atomic Company, and DOE.*

- * The 1992 estimated date is based on the understanding that spent fuel discharged during the term of the Agreements will be stored by DOE at the Idaho Chemical Processing Plant. The storage capacity has evidently been sized to accomodate eight fuel segments. It is estimated that the eighth fuel segment will be discharged in 1992.



Public Service
Company of Colorado

16805 WCR 19 1/2, Platteville, Colorado 80651

July 12, 1985
Fort St. Vrain
Unit No. 1
P-85240

Office of Inspection and Enforcement
ATTN: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Docket No. 50-267

SUBJECT: Monthly Operations
Report For June, 1985

REFERENCE: Facility Operating
License No. DPR-34

Dear Sir:

Enclosed, please find the Monthly Operations Report for the month of June, 1985.

Sincerely,

J. W. Gahm
Manager, Nuclear Production
Fort St. Vrain Nuclear
Generating Station

JWG:dr

Enclosure

cc: Mr. John T. Collins

IB24
1/1
ORIGINAL TO REGION IV