

April 15, 1986

Docket No. 50-267

Mr. R. F. Walker, President
Public Service Company of Colorado
Post Office Box 840
Denver, Colorado 80201-0840

Dear Mr. Walker:

SUBJECT: PUBLIC SERVICE COMPANY OF COLORADO COMMITMENTS RELATED TO THE
OPERATION OF THE FORT ST. VRAIN NUCLEAR GENERATING STATION

We have reviewed your submittal dated December 27, 1985, (P-85485) concerning some of your commitments related to the operation of Fort St. Vrain (FSV). These commitments concerned FSV's control rod drive mechanisms, (CRDMs) masonry walls, and shipment of spent fuel. Our evaluation of your proposed changes to your schedules for completing these commitments concludes that their delay in completion is acceptable. We have, accordingly, revised the schedule (Enclosure 1) for your commitments (previously issued by our letter dated February 4, 1986). Our detailed evaluation of these changes is also enclosed (Enclosure 2).

We have discussed with your staff the importance of incorporating the operational experience from current plant operation at up to 35 percent of full power into the development of a long-term surveillance program for the CRDMs. We request that you provide a summary report for this operation concerning your observations on the CRDMs. This should include data on CRDM temperatures, helium flow to the CRDM penetrations, and initial accelerations of the CRDMs in surveillance testing. We request that you provide this summary report within 45 days after current plant operation is completed on May 31, 1986.

The information requested in this letter affects fewer than 10 respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

original signed by
Kenneth L. Heitner, Project Manager
Standardization and Special
Projects Directorate
Division of PWR Licensing-B, NRR

Enclosures:
As stated

cc w/enclosures:
See next page

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HBerkow
04/15/86



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in cursive script that reads "Kenneth L. Heitner".

Kenneth L. Heitner, Project Manager
Standardization and Special
Projects Directorate
Division of PWR Licensing-B, NRR

Enclosures:
As stated

cc w/enclosures:
See next page

Mr. R. F. Walker
Public Service Company of Colorado

Fort St. Vrain

cc:

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Denver, Colorado 80203

PUBLIC SERVICE COMPANY OF COLORADO COMMITMENTS
RELATED TO THE OPERATION OF THE
FORT ST. VRAIN NUCLEAR GENERATING STATION
 (FROM NOVEMBER 19, 1985 CAL)

<u>Item</u>	<u>Commitment Description/Requirement (Reference)</u>	<u>Schedule</u>
1.	Implement a program to maintain CRDM temperature within acceptable limits. (P- 85199 and P-85242)	complete (see Item 8)
2.	Provide an improved CRDM Surveillance and preventative maintenance program (P-85199 and P-85242), which includes consideration of the new bearing performance (P-85201).	Surveillance - 6 months after full power authoriza- tion P. Maintenance - complete
3.	Implement a procedure to prevent overdriving of the CRDM. (P-85040) (see SOP 12-01, Issue 15)	complete
4.	Implement a procedure to require a reactor shutdown under conditions where CRDM purge flow is lost or when high levels of moisture exists in the coolant. (P-85040)	complete (see Item 8)
5.	Monitor CRDM temperatures. (P-85199 and P-85242)	complete
6.	Provide status reports/progress reports on the Nuclear Performances Enhancement Program on a quarterly basis. (P-85217)	approximately every 3 months
7.	Implement the Technical Specification (TS) Upgrade Program (P-85098)	complete
	a. Provide a final draft proposal of the Upgraded TSs for NRC comment. (P-85243)	90 days after NRC comments on Item 7a
	b. Submit a license amendment to incorporate the Upgraded TSs. (P-85243)	Approximately the 4th Refueling Outage (License Admendment will define)
	c. Implement the Upgraded TSs. (P-85243)	

PUBLIC SERVICE COMPANY OF COLORADO COMMITMENTS
RELATED TO THE OPERATION OF THE
FORT ST. VRAIN NUCLEAR GENERATING STATION

<u>Item</u>	<u>Commitment Description/Requirement (Reference)</u>	<u>Schedule</u>
8.	Improve control rod and reserve shutdown reliability. a. Propose Technical Specification changes. (P-85242) b. Implement proposed requirements through interim procedures. (P-85242) c. Incorporate the proposed Technical Specifications in the Upgrade Program.	complete complete (see Item 7)
9.	Develop a plan to implement approved modifications to control moisture ingress and submit annual reports on progress. (P-85022 and P-85082)	Annually Report Progress
10.	Control moisture in CRDM purge system. (P-85032)	4th Refueling Outage
11.	Perform environmental requalification testing of a CRDM assembly (P-85032) including the temperature sensor epoxy. (P-85195)	complete (Report due 3/30/86)
12.	Refine the "watt-meter" test for verification of control rod full insertion or develop an alternative test. (P-85040 and P-85199)	complete (see Item 2)
13.	Investigate a design change to provide a positive stop to prevent CRDM overtravel; report results to the NRC. (P-85003)	complete
14.	Conduct an integrated systems study to resolve control rod position indication, maintenance and operability questions. (P-85003)	6/30/86
15.	Implement QA Procedure Review Program. (P-85028)	complete
16.	Liquid Effluent Releases from the Reactor Building Sump a. Implement procedures to perform all effluent releases from the reactor building sump in batch mode. (P-85212) b. Investigate installing in-line, beta sensitive, effluent monitors and report on progress. (P-85212)	complete in progress

PUBLIC SERVICE COMPANY OF COLORADO COMMITMENTS
RELATED TO THE OPERATION OF THE
FORT ST. VRAIN NUCLEAR GENERATING STATION

<u>Item</u>	<u>Commitment Description/Requirement (Reference)</u>	<u>Schedule</u>
17.	PCRVTendon Surveillance Requirements a. Incorporate the revised Tendon Surveillance Program into the Technical Specifications. (P-85199) b. Implement the revised program through the use of interim procedures. (P-85199) c. Provide the results of the revised program to the NRC	(see Item 7) complete Approximately Every 6 months
18.	Propose modifications in the Emergency Diesel Generator circuit breakers' control circuitry to resolve the independent problem. (P-85208)	complete
19.	Fire Protection Interim Requirements a. Implement the special (and interim) repair and operating procedures. (P-85113 and P-85245) b. Implement a fire watch program. (P-85245)	complete complete
20.	Complete the CRDM bearing performance testing and incorporate results into the improved CRDM surveillance and preventative maintenance program identified in Item 2 above. (P-85201)	Report on progress quarterly