PUBLIC SERVICE COMPANY OF COLORADO
P. O. BOX 840 · DENVER, COLORADO 80201

16805 WCR 19 1/2, Platteville, Colorado 80651

OSCAR R. LEE
VICE PRESIDENT

50-267

June 26, 1984
Fort St. Vrain
Unit #1
P-84188

RECEIVED
JUN 29 1984

Mr. E. H. Johnson, Chief
Reactor Projects Branch 1
Region IV
Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

SUBJECT: Malfunction of Fort St. Vrain Control Rods To Automatically Insert Following Scram

Dear Mr. Johnson:

As you are aware, an event occurred at Fort St. Vrain during a reactor scram transient on June 23, 1984, in which six control rod pairs (from Regions 6, 7, 10, 14, 25, and 28) failed to insert into the core under the automatic velocity limited free-fall system. Appropriate actions were taken by control room operators to manually drive the affected control rods into the core after discovery of the situation, and all control rods were fully inserted within 20 minutes following the automatic scram signal.

Calculations have verified that cold shutdown conditions were achieved and maintained before manual insertion of the six affected control rod mechanisms. Additionally, the reserve shutdown system, totally independent of and redundant to the control rod system, was fully operational and available.

This letter serves to confirm Public Service Company's commitment to fully investigate this event, examine all six of the affected control rod mechanisms, and obtain Nuclear Regulatory Commission approval of ensuing resolutions prior to reactor startup.

If you have any questions or require any further clarifications, please contact Mr. Don Warembourg or Mr. L. M. McBride of my staff.

Very truly yours,

O. R. Lee
Vice President
Electric Production

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