



**Public Service Company of Colorado**

February 27, 1980  
Fort St. Vrain  
Unit No. 1  
P-80032

bcc to DAC:ADM:  
CENTRAL FILES  
PDR:HQ  
LPDR  
TIC  
NSIC  
STATE

Mr. Karl V. Seyfrit  
Nuclear Regulatory Commission  
Region IV  
Office of Inspection & Enforcement  
611 Ryan Plaza Drive  
Suite 1000  
Arlington, Texas 76012

Docket 50-267

Subject: NRC I&E Bulletin 79-27  
dated November 30, 1979

Dear Mr. Seyfrit:

This letter is to inform you of the action being taken in response to I&E Bulletin 79-27 concerning Class 1E and Nonclass 1E 120 vac instrument buses.

The configuration of Fort St. Vrain Class 1E instrument buses was originally designed to assure that loop related equipment would be supplied instrument power from an associated bus, and would not be affected when a disturbance was experienced in the opposite loop and associated bus. In addition, many of the valves have two solenoids, one feed from bus 1 and the second solenoid feed from bus 2. This redundancy within loop redundancy was incorporated into the original design to provide additional safety in depth.

The Plant Protective System (PPS) is basically a 2 out of 3 design concept. Each of the 3 channels of instrumentation is powered from separate noninterruptable Class 1E buses.

The review and analysis of the four instrument buses (Three Class 1E and one Nonclass 1E) in the Fort St. Vrain facility is progressing, and to date, no violations of the basic design criteria have been identified. Maximum effort is being expended to respond to the Bulletin, however, we will not be in a position to complete our review and analysis until April 25, 1980 at which time we will respond to I&E Bulletin 79-27 in detail.

Very truly yours,

Frederic E. Swart  
Nuclear Project Manager

FES/JRR:pa

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