

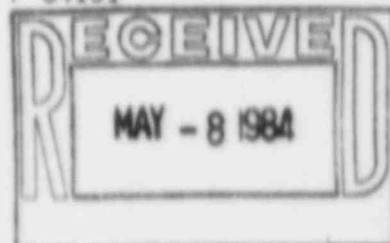


Public Service Company of Colorado

16805 WCR 19 1/2, Platteville, Colorado 80651

50-267

May 3, 1984
Fort St. Vrain
Unit #1
P-84131



Mr. E. H. Johnson, Chief
Reactor Project Branch 1
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

SUBJECT: NUREG-0737 Item II.F.1.1,
Noble Gas Accident Monitoring
Instrumentation

Dear Mr. Johnson:

As stated in our letter P-79299, dated December 12, 1979, we do not have any postulated accident condition that will result in our present noble gas radiation stack monitors going off scale. This analysis was concurred with by personnel from Battelle Pacific Northwest Laboratories, under contract to the NRC. The Semi-portable Monitors currently in place were put into service as agreed upon with the NRC as an interim measure only until the NRC ruled on the applicability of Item II.F.1.1 to Fort St. Vrain.

Although we continue to feel that our existing noble gas stack radiation monitors are adequate, your position in your letter dated April 3, 1984 (G-84110) will require us to evaluate the feasibility of obtaining an installed permanent noble gas stack monitor with an upper range of 10^3 $\mu\text{Ci/cc}$ with readout in the Control Room. We are currently in the process of contacting other plants to determine their method of complying with this item.

We anticipate that within 60 days from the date of this letter, we will have determined how best to meet the 10^3 $\mu\text{Ci/cc}$ upper range capability and address the concerns raised in your letter. At that time we will inform you of our intended action.

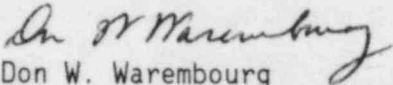
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With respect to the concerns raised in your letter, calibration of the semi-portable instruments is performed via Health Physics Procedure HPP-20, and the supporting analyses are contained in HPP-56. Mr. Ron Baer of your office is on controlled distribution for these procedures. Of course, the only way to verify the performance of the semi-portable monitors would be to release radioactive noble gas at a concentration of 10^3 $\mu\text{ci/cc}$ up the stack to the environment. We do not feel that this is appropriate, nor, since our primary coolant noble gas concentration at 100% power is approximately 2.1×10^{-2} $\mu\text{ci/cc}$, achievable.

I trust that this letter is responsive to your concerns; we will as always strive to keep you informed of our intent and actions on this matter. Please contact Mr. Ted Borst of my staff with questions or comments at (303) 571-7436.

Very truly yours,


Don W. Warembourg
Manager, Nuclear Production
Fort St. Vrain Nuclear
Generating Station

DWW/djc

cc: Ted Borst