



VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA 23261

February 3, 1984

Mr. Ray R. Jenkins
Piedmont Regional Office
State Water Control Board
P. O. Box 6745
Richmond, Virginia 23230

Surry Power Station - NPDES Permit Exception

Dear Mr. Jenkins:

This confirms the NPDES permit exception at our Surry Power Station that was reported to you on February 1, 1984.

A routine check of the station's sewage treatment plant by station personnel at approximately 11:00 a.m. on February 1, 1984, revealed that the chlorine gas feed system had malfunctioned, and was not supplying chlorine to the effluent.

A representative of the vendor who installed the chlorine feed system was on site January 30, 1984 to perform service under warranty on the system, as minor problems with the backup gas tank had been noted by plant personnel. Upon the service representative's departure at 5:30 p.m. on January 31, the system was operative. A routine internal rough check on January 31 revealed that chlorine was present in the effluent and the feed rate meter was registering a positive chlorine dose rate. On February 1, 1984, another routine check indicated no chlorine in the effluent, however the feed rate meter still registered a positive flow. Further investigation revealed that water pressure was causing a false rate meter reading, and that there was actually no chlorine feed taking place.

Pursuant to this discovery, hypochlorite addition is being used as a substitute chlorination method, and the service representative has been called back to correct the problem.

If you have any questions regarding this matter, please let us know.

Very truly yours,

John A. Taylor, Ph.D.
Manager
Water Quality

cc: Mr. J. P. O'Reilly
Mr. Harold R. Denton ✓
Mr. Donald J. Burke

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