



VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA 23261

July 27, 1983

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Ray R. Jenkins
Piedmont Regional Office
State Water Control Board
P. O. Box 6745
4010 West Broad Street
Richmond, Virginia 23230

EE HQ FILE COPY

Surry Power Station - NPDES Permit Exception

Dear Mr. Jenkins:

This confirms our earlier notification of the NPDES permit exception that recently occurred at our Surry Power Station.

On the morning of July 15, 1983, station personnel obtained a grab sample of effluent from the station's sewage treatment plant (Outfall 008). The sample was preserved and sent to our contract commercial laboratory in Richmond, Virginia for fecal coliform analysis. The result of the analysis, which was reported to station personnel on July 22, 1983, was equal to or greater than 2,400 MPN/100 ml.

We believe the cause of this exception is the same presumed cause of the recent permit exception for BOD₅. As we reported to you in our July 21, 1983 letter describing this earlier exception, we feel that a foreign substance, such as a paint solvent or cleaning agent, may have been introduced into the station's domestic sewage system. Introduction of such a substance into the sewage treatment plant could account for an ensuing biological imbalance in the treatment plant and, therefore, could account for these two exceptions.

Once the analytical result was obtained, station personnel immediately implemented corrective action. In an attempt to remove the presumed foreign substance from the treatment plant, mixed liquor suspended solids were pumped from the treatment plants' aeration tanks to a commercial sewage tank truck for off site disposal. In addition, the chlorine feed rate was and continues to be checked and adjusted on a more frequent basis to insure adequate disinfection.

The sewage treatment plant discharges into the station's cooling water discharge canal. No adverse environmental impact attributable to this permit exception, such as distressed or dead fish, was observed by station personnel.

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Mr. Ray R. Jenkins

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

Very truly yours,

Robert J. Williams *for*

John A. Taylor, Ph.D.

Manager

Water Quality

cc: Mr. James P. O'Reilly
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission

Mr. Harold R. Denton, Director ✓
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission