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CALVERT CLIFFS NUCLEAR POWER PLANT DEPARTMENT  
CALVERT CLIFFS NUCLEAR POWER PLANT  
LISBY, MARYLAND 20687

December 13, 1991

Carol J. Coates  
Maryland Department of Environment  
2500 Broening Highway  
Baltimore, Maryland 21224

Dear Ms. Coates

RE: Maryland State Discharge Permit No. 86-DP-0187 and NPDES Permit No. MD0002399, monitoring point 101.

On December 9, 1991 at approximately 0900 a sample for fecal coliform analysis was taken from Calvert Cliffs Nuclear Power Plant Sewage Treatment Plant effluent. The sample analysis indicated a fecal coliform concentration of > 1600 MPN/100 ml sample which is greater than the daily maximum limit of 400 MPN/100 ml sample.

The cause of this event was investigated and the failure may be traced to an improper residual chlorine analysis performed earlier in the day. The improper analysis may have indicated the correct concentration of chlorine in the chlorine contact tank when a low concentration of chlorine was actually present. To prevent a recurrence of this type of event the test kit comparator has been replaced. There is also a possibility that the sample was contaminated and indicated a false fecal coliform concentration.

No impact upon the receiving water would be observed from this type of event. All other analyses taken at the same time as these samples were within NPDES limits. The duration of this noncompliance is not known but Sewage Treatment Plant records do indicate that the chlorination system was functioning as indicated by the daily change in hypochlorite tank levels.

Sincerely,

James A. Szymkowiak  
Chemical Analyst

cc: Nuclear Regulatory Commission

JAS:sb

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