

# BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

NUCLEAR POWER DEPARTMENT  
CALVERT CLIFFS NUCLEAR POWER PLANT  
LUSBY, MARYLAND 20657

February 9, 1983

Office of Environmental Programs  
Waste Management Administration  
201 West Preston Street  
Baltimore, Maryland 21201

Attention: Mr. Ronald Parise

Re: Maryland State Discharge  
Permit No. 74-DP-0187 and  
NPDES Permit No. MD 0902399

Dear Mr. Parise:

Two incidents of noncompliance are reported below.

On February 1, 1983, the coliform results from the sample taken on Wednesday, January 26, 1983 were found to be 109 mpn/100 ml. This is above the NPDES limit of 70 mpn/100 ml for monitoring point 101. Prior to sampling, maintenance work had been done on the raw sewage pumps. When returned to service, they were inadvertently left in manual mode rather than automatic and did not trip off at the specified tank level. This continuous pumping caused an hydraulic overload on plant No. 2, carrying solids over into the contact chamber. Contact time and chlorine concentration was insufficient to effectively reduce the coliform population. Immediate corrective action included correcting pump mode, transferring flow to No. 1 plant, increasing hypochlorite flow and adding polymer to settle solids. The back up sample, grabbed on Tuesday, February 1, 1983, indicated a coliform count of 23mpn/100 ml. Maintenance personnel have been admonished to notify plant operator of any changes of equipment parameters they initiate.

Non-compliance of the suspended solids limitation was also detected on February 1, 1983 with a value of 46.6 mg/l. High suspended solids persisted for the next three days and are believed to have exceeded the allowable 45 mg/l daily maximum for monitoring point 101 although no analysis was performed. A waterhose had been left on causing an hydraulic overload and carried solids into the effluent line. The hose was secured on February 1, 1983 and polymer was used to settle the aeration tank. Subsequent sampling revealed suspended solids of 20 mg/l on February 5, 3.3 mg/l on February 6, and 23.3 mg/l on February 7. The responsible operator has undergone supervised retraining and it has been restressed that follow up analyses are to be performed every day until the parameter has returned to acceptable levels.

Mr. Ronald Parise  
February 9, 1983

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Should you have questions regarding this information, please feel free to call.

Very truly yours,

*L B Russell*  
L. B. Russell  
Plant Superintendent

LBR/EME/fcb