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# BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

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

February 24, 1981

State of Maryland  
Department of Natural Resources  
Water Resources Administration  
Tawes State Office Building  
Annapolis, MD 21401

Attention: Mr. Raymond E. Riggin

Re: Maryland State Discharge  
Permit No. 74-DP-0187A  
(NPDES No. MD 0002399)

Dear Mr. Riggin:

During the month of January, there were four violations in the sewage plant operation at the Calvert Cliffs Nuclear Power Plant not previously reported in accordance with section II.B.2 of the Maryland State Discharge Permit No. 74-DP-0187A. Information concerning these violations is presented below:

- 1) On January 28, an effluent sample was found to contain 75.9 mg/l suspended solids. This is greater than the 45 mg/l authorized by section I.D of the reference permit. In addition, the monthly average suspended solids concentration was calculated to be 40.5 mg/l, slightly greater than the 30 mg/l permitted.
- 2) On January 10, 13, and 28, the coliform readings were 1609 mpn/100 ml, 1180 mpn/100 ml and 1609 mpn/100 ml respectively, greater than the allowable 70 mpn/100 ml.

These events were all due to exceptionally high flows currently being experienced by the sewage treatment plant. Since October the Calvert Cliffs Nuclear Power Plant (both Unit 1 and Unit 2) has been in a scheduled refueling/major modification outage, which demands a large work force population. The existing sewage treatment plant has not been fully capable of handling this increased flow.

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To correct this situation, a staff engineer and two chemistry technicians are working toward a plant modification program designed to provide full compliance by June 1, 1981. Also, larger or additional sewage treatment facility is being planned as a major component of the Nuclear Power Plant expansion.

Sincerely yours,

*LB Russell*

L. B. Russell  
Plant Superintendent

GEB:fcv

cc: J. A. Tiernan