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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 2, 1981

State of Maryland
Office of Environmental Programs
Waste Management and Enforcement Program
Taves State Office Building
Annapolis, Maryland 21401

Attention: Mr. Raymond E. Piggitt

Gentlemen:

On October 29, 1980 a sample was drawn for the routine weekly coliform analysis. The results from this test indicated a concentration of 345 mpn/100 ml. Permit requirement is 70 mpn/100 ml maximum. This is a violation of section 1.1.c of the Maryland State Discharge Permit No. 74-DP-0187A for Calvert Cliffs Nuclear Power Plant.

This event was believed to be caused by an unusually high flow to the plant soon after the start of a refueling outage at the plant. This surge substantially increased the flow in the chlorine contact tank, which, in turn, reduced the chlorine contact time. This contact time was too short to provide effective disinfection.

To correct this situation, the chlorine concentration was increased in the contact tank. The flow path from the wet well into the plant was adjusted to allow the surges to be absorbed to prevent recurrence.

Very truly yours,

L. B. Russell
Plant Superintendent

JRS:GEB:fcv

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