

# BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

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

August 28, 1981

Division of Sewerage  
Inspection and Compliance Program  
Office of Environmental Programs  
201 West Preston Street  
Baltimore, Maryland 21201

Attention: Mr. Peter Wigginton

Dear Mr. Wigginton:

Per our State Discharge Permit No. 74-DP-0187A and NPDES No. MD0002399, please find the follow-up information on an inadvertent discharge in non-compliance with our discharge permit. The noncompliance was reported to Ms. Debby Ford of your office on August 24, 1981.

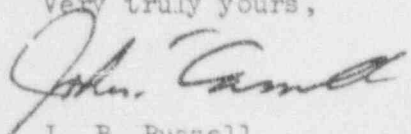
At 1330 on 8-10-81 during normal operation, the outside operator discovered a leakage past a drain valve for #12 Waste Neutralization Tank (WNT). The leakage was estimated at one (1) gpm. Attempts to seat the valve failed. The #12 WNT level was five feet and the pH was tested at 1.8. The liquid was neutralized with dilute Sodium Hydroxide (5%) at 1515 and discharged in accordance with permit regulations. The regeneration waste leakage was discharged to the bay via the WNT drain valve without ensuring compliance.

The WNT drain valve was removed and inspected on 8-11-81. The cause of the noncompliance was found to be a damaged seat of the WNT drain valve. The immediate problem was corrected by replacing the valve with a duplicate of the original. The suitability of the specified WNT drain valve is being investigated for possible revision.

The estimated 105 gallons of wastewater over a period of about 105 minutes was introduced to circulation water of 105,000,000 gallons. Following the discharge into the Chesapeake Bay, the pH would have increased very rapidly to within the ambient range of the bay as a result of rapid mixing and dilution. Thus, there was no measurable impact on the environment resulting from this discharge.

If you need additional information, please contact me.

Very truly yours,

  
for L. B. Russell  
Plant Superintendent

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LBR/JMB/fcb

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