

File

BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475

BALTIMORE, MARYLAND 21203

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

May 20, 1981

Mr. Peter Wigginton
Waste Management Administration
Second Floor - Lab Tower
201 West Preston Street
Baltimore, MD 21201

Dear Mr. Wigginton:

Per our State Discharge Permit Number 74-DF-0187A and NPDES Permit Number MD-0002399, we are providing followup information on a nonmonitored discharge identified as in noncompliance with our Discharge Permit. This was reported to Ms. Vicki Askins of your office on 5-19-81. The attachment identifies the cause of the discharge, our actions to eliminate the noncompliance and our assessment of the discharge's impact.

If you require additional information, please contact me.

Very truly yours,

L B Russell
L. B. Russell
Plant Superintendent

Attachment

LBR/REA/fcb

At 1700 during normal operation, the outside operator discovered that #12 Waste Neutralizing Tank (WNT) drain valve (DV-367) was leaking through at approximately 1 gpm. The tank had been in service to receive regeneration waste since 1400 on 5-5-81 and the water level was 13.5'. A sample of the waste water revealed a pH of 10.6 and T.D.S. of 4600 ppm. Attempts to tighten the valve were not effective. At 1721 the operator cracked open the valve and flushed approximately 20 gallons of waste water across the valve seat. The valve was then successfully shut tight stopping the leak. It is conservatively estimated that 1320 gallons of regeneration waste water leaked to the Chesapeake Bay after being diluted with 1.2 million gpm circulating water flow. Over a period of 3 hours and 40 minutes the 1 gpm leak rate diluted into 1.2 million gpm circulating water flow approximates a T.D.S. concentration of 1 part per billion and a calculated pH change of 0.01 pH units.

We can determine no impact on the environment resulting from this discharge.