

BALTIMORE GAS AND ELECTRIC COMPANY

P.O. BOX 1475
BALTIMORE, MARYLAND 21203

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

September 15, 1982

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

Attention: Mr. Ronald Parise

Dear Mr. Parise:

Between the hours of 2230, August 31, 1982 and 0530 on September 1, 1982, approximately 6,800 gallons of 5.9 pH water was discharged via outfall 104. This outfall discharges to the main cooling discharge conduit where it is diluted with approximately 10⁶ gpm water flow prior to entering the Chesapeake Bay.

The discharge was caused by an improper valve closure on the inlet of a discharging tank due to mechanical failure of the valve. The valve seemed to be shut, as indicated by turning pressure of the valve hand wheel, when in fact, the valve remained partially open. It was determined later that the valve with force could be shut. The valve was repaired September 6, 1982.

The noncomplying discharge was noted by an operator during his normal rounds, being aware that the tank should have completely drained by that time, and not seeing a level increase in the on service tank. When he noted the discharge taking place, he shut the tank discharge valve to stop the discharge.

The source of the discharge was from two floor sumps which pumps cycle on and off according to the sump level. The sumps contained relatively clean water from pump leak-offs, effluents from in-line conductivity cells, and valve leakage. The flow being discharged with one pump running is approximately 200 gpm.

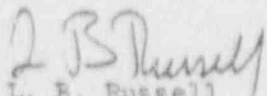
The three critical valves (two inlet, one drain valve) on each tank (2) have been placed on a regular preventive maintenance schedule, to be inspected, cleaned and repaired on an annual basis.

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Mr. Ronald Parise
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Attached is the environmental impact assessment report.

Very truly yours,



L. B. Russell
Plant Superintendent

Attachment

LBR/BFS/fcb