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December 5, 1975

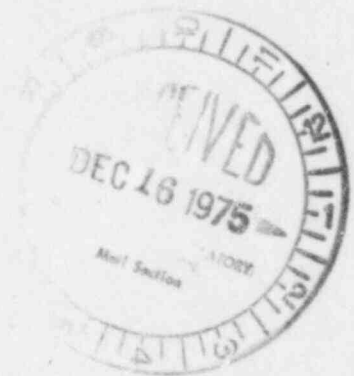
PRN-LI-75-9

50-251

Mr. Norman C. Moseley, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
230 Peachtree Street, N. W., Suite 818
Atlanta, Georgia 30303

Dear Mr. Moseley:

UNUSUAL EVENT 251-75-3
TURKEY POINT UNIT 4
SPENT FUEL PIT LEAK



A. DESCRIPTION OF EVENT

On November 6, 1975, the Region II Office of Inspection and Enforcement was notified that the Unit 4 Spent Fuel Pit (SFP) concrete wall had been found to be leaking. The leak is above the concrete shielding around the fuel transfer tube and is similar to the Unit 3 SFP leakage reported in Unusual Event 250-74-6 dated November 26, 1974. The leak rate is approximately 2 gallons per hour.

B. APPARENT CAUSE AND ANALYSIS OF EVENT

Water is leaking from the SFP through the SFP liner and then through the concrete wall.

A special drain trough has been installed to divert leakage to the Waste Holdup Tank. Prior to installation of the trough, the leakage was being absorbed by the ground around the SFP. The activity of the water was measured and it is estimated that 240 mCi were released to an area which is inside the plant's radiation controlled boundary. This amount of activity is 4.8% of the Technical Specification quarterly release limit.

C. CORRECTIVE ACTION

On November 22, 1975, a "V"-shaped stainless steel drain trough was installed on the concrete wall of the Unit 4 fuel transfer tube. Leakage from the SFP is now collected by the trough and diverted to the Waste Holdup Tank.

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Mr. Norman C. Moseley, Director, Region II
Page Two
December 5, 1975

The permanent corrective action would be to repair the liner as necessary to stop the leakage. Such action would involve draining the SFP, but this cannot be done at present because of spent fuel storage requirements. However, potential modifications of the spent fuel storage system are being considered, and it may be possible to eliminate SFP leakage during such modifications. If spent fuel system modifications are performed, consideration will then be given to include SFP liner repair.

Very truly yours,

J. R. Bensen
for A. D. Schmidt
Vice President
Power Resources

MAS/ms

cc: Jack R. Newman, Esquire
Director, Office of Inspection and Enforcement (30)
Director, Office of Management Information and Program
Control (3)