



STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

2562 EXECUTIVE CENTER CIRCLE, EAST
MONTGOMERY BUILDING
TALLAHASSEE, FLORIDA 32301

REUBEN O'D. ASKEW
GOVERNOR

March 25, 1976

JOSEPH W. LANDERS, JR.
SECRETARY

Dr. Donald F. Knuth
Director, Office of Inspection
and Enforcement
Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Dr. Knuth:

Comprehensive-Power Plants-
Florida Power and Light

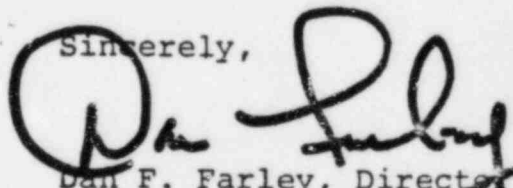
The Florida Department of Environmental Regulation is investigating leaks in the Florida Power and Light, Inc., spent reactor fuel holding tanks at Turkey Point, Florida.

We would very much appreciate receiving copies of correspondence, reports, etc., between Florida Power and Light and the Nuclear Regulatory Commission concerning this matter.

What is the assessment by the Nuclear Regulatory Commission of the potential risks to public health and safety and to the environment from these leaks and the advisability of continued use of these tanks for a limited time versus immediate repair?

A response as quickly as possible would be appreciated. If the department may be of assistance to you in this matter, please let me know.

Sincerely,


Dan F. Farley, Director
Division of Environmental
Permitting

DFF:tcc

cc: Mr. Phil Edwards
Mr. Bernard C. Rusche
Mr. William J. Page, Jr.
Mr. Jim Brindell
Mr. John Bottcher

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SECRETARY

March 25, 1976

Dr. D. D. Dunlop
Vice President
Florida Power and Light
General Office
9250 West Flagler Street
Miami, Florida 33165

Dear Dr. Dunlop:

The department is concerned about the reported leaks from the Florida Power and Light Company spent reactor fuel-holding tanks at your Turkey Point power plant.

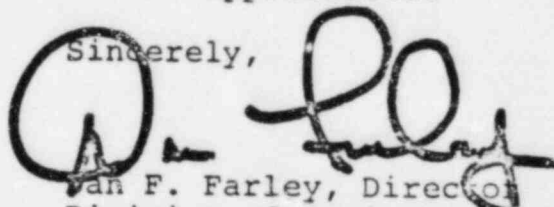
As an initial step in our investigation, we request the following information concerning the reported leaks:

1. When were the leaks first detected?
2. What was the rate of leakage at that time and how was this rate measured?
3. Had the tank been used for spent fuel or otherwise contaminated with radio-activity at that time?
4. What was the chronological sequence of reporting events and actions regarding these leaks to the U. S. Nuclear Regulatory Commission and to the Florida Department of Health and Rehabilitative Services or any other state agency?
5. What is the present rate of leakage of these tanks and how is this measured?
6. What was the status of the filtration system during the period of leakage?

7. Assuming the rate of leakage to have increased linearly from the time of detection to the present (or use another reasonable function for the rate of increase, if there is evidence) and considering the half-lives, what is the amount of each radionuclide now presently unconfined by the holding tank structure?
8. What were the water table fluctuations beneath the tank during the period of leakage?
9. Using known soil transmissivities, and other hydrological information, what is the present dispersal of the radionuclides described in answer to question number 7.
10. What tests are possible to confirm the answer to question No. 9?
11. What plans are proposed for continued use of these tanks?

Your cooperation in this matter is appreciated.

Sincerely,


Van F. Farley, Director
Division of Environmental
Permitting

DFF:tcc

cc: Dr. Donald F. Knuth
Mr. Bernard C. Rusche
Mr. Phil Edwards
Mr. Jim Brindell
Mr. John Bottcher