



STATE OF ILLINOIS
POLLUTION CONTROL BOARD

309 WEST WASHINGTON STREET SUITE 300

CHICAGO, ILLINOIS 60606

TELEPHONE
312-793-3620

XXXXXXXXXXXXXXXXXXXX

DONALD A. HENSE

JACOB D. DUMELLE

XXXXXXXXXXXXXXXXXXXX

SAMUEL T. LAWTON, JR., Acting Chairman

March 7, 1973

Dr. Dixy Lee Ray
Chairman
Atomic Energy Commission
Washington, D.C. 20545

Re: Dresden I Radiation
Commonwealth Edison Company

Dear Dr. Ray:

In January the chairman of the Illinois Commerce Commission released two reports dealing with nuclear power plants in Illinois. One report was authored by Dr. Ernest C. Tsivoglou, P.E. assisted by Dr. Anthony J. Foltman and is titled, "Environmental Radiation Protection at the Dresden Nuclear Power Station - Usual and Potential Environmental Radiological Impact of Boiling Water Reactor Operation, and Responsibility of the State" and is dated November 30, 1972.

The other report is by Dr. Ralph E. Lapp and is dated December 7, 1972. It has no overall title but has a section titled "Technical Aspects of Nuclear Power Generation in Boiling Water Reactors" and another titled "Investigation of Abnormal Reactor Occurrences at the Dresden Nuclear Power Station". I assume that your staff now has these reports in its possession and has studied them.

I would particularly like to call the Atomic Energy Commission's attention to the conclusion of Dr. Ernest C. Tsivoglou contained

8010140665

DR-5400

Rec'd Off Dir of Reg.
Date 3/14/73
Jms

Dr. Dixy Lee Ray
Subject: Dresden I Radiation
Commonwealth Edison Company

-2-

March 7, 1973

on p. 51 of his report. He states

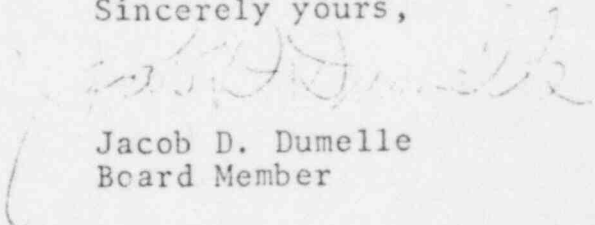
In view of the technology now available releases from the Dr-1 (Dresder-1) generating unit are clearly not "as low as practicable", and it is hoped that Commonwealth Edison Company will seriously consider measures to reduce those releases sharply in the near future.

The Atomic Energy Commission on December 3, 1970 promulgated a "as low as practicable" policy for radioactive releases from nuclear plants. Today, more than 27 months later, Commonwealth Edison Company to my knowledge has made no effort to comply with the AEC policy.

Dr. Tsivoglou points out that the Dresden-1 unit had a specific release rate of radioactivity "about 50 times as high as that for Dr-3 (Dresden-3) and about five times as high as the rate for DR-2 (Dresden-2)" (p. 31). It seems to me that a reactor operating in violation of AEC policy and 50 times as "dirty" as a newer reactor ought to be cleaned up or shut down immediately.

The close-in residents of Morris, Illinois are being unnecessarily radiated without their consent. There is no threshold for radiation and additional cases of cancer and leukemia because of Dresden-1 will occur. The Atomic Energy Commission has a duty and responsibility to act.

Sincerely yours,


Jacob D. Dumelle
Board Member

JDD:rj

cc: Rep. Melvin Price
Mr. William Ruckelshaus