

Commonwealth Edison Company

ONE FIRST NATIONAL PLAZA ★ CHICAGO, ILLINOIS

Address Reply to:

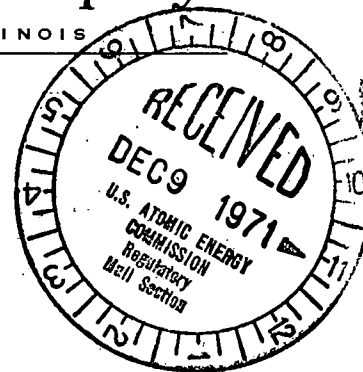
POST OFFICE BOX 767 ★ CHICAGO, ILLINOIS 60690

December 7, 1971

Dr. Peter A. Morris, Director
Division of Reactor Licensing
U.S. Atomic Energy Commission
Washington, D.C. 20545

Regulatory

File Cy.



Subject: Amendment No. 1 to Operating License DPR-19
for Dresden Unit 2 filed under AEC Dkt 50-237

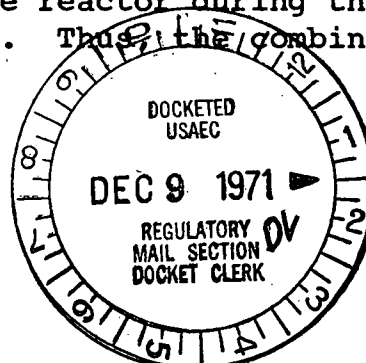
Dear Dr. Morris:

Commonwealth Edison Company hereby requests Amendment No. 1 to Operating License DPR-19 for Dresden Unit 2. The purpose of this amendment is to allow Commonwealth to receive, possess and use up to 6000 kilograms of contained uranium 235. To amend the license, Item 2.B on page 2 should be changed to read as follows:

"B. Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material," to receive, possess and use at any one time up to 6,000 kilograms of contained uranium 235 in connection with operation of the facility;"

This amendment is required to allow proceeding with the scheduled February 1972 refueling outage for Dresden Unit 2 which will involve having more than 5000 kilograms of uranium 235 at the facility at one time.

There are presently 215 original Dresden Unit 2 and 29 original Dresden Unit 3 assemblies in the Unit 2 spent fuel pool. The remaining 509 original Dresden Unit 2 assemblies will be replaced during the February refueling outage. Following refueling, 753 irradiated fuel assemblies will be in the spent fuel pool. In addition, at the completion of the refueling outage, the reactor will contain 509 new fuel assemblies and 215 original Quad-Cities fuel assemblies placed in the reactor during the fuel replacement outage in the spring of 1971. Thus, the combined fuel inventory in



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Commonwealth Edison Company

Dr. Peter A. Morris

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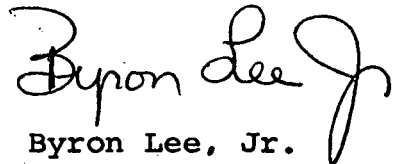
December 7, 1971

the spent fuel pool and in the reactor will be slightly in excess of two cores. A core of fuel for Dresden Unit 2 contains slightly less than 3000 kilograms of uranium 235. The spent fuel pool is sized to safely contain 1.6 cores of irradiated fuel. In addition, the spacing of the fuel is such that the K_{eff} in the pool when fully flooded with water is 0.9. Therefore, from a safety standpoint, there is no undue risk to the health and safety of the public.

Amendment No. 1 has been reviewed and approved by Commonwealth Edison's Nuclear Review Board.

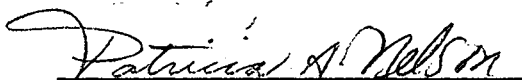
In addition to three signed originals, 19 copies of this amendment are also submitted.

Very truly yours,



Byron Lee, Jr.
Assistant to the President

SUBSCRIBED and SWORN to
before me this 7th day
of December, 1971.


Notary Public