



Commonwealth Edison
 One First National Plaza, Chicago, Illinois
 Address Reply to: Post Office Box 767
 Chicago, Illinois 60690

January 29, 1981

Director of Nuclear Reactor Regulation
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555

Subject: Dresden Station Units 2 and 3
 Proposed Amendment to Operating
 Licenses DPR-19 and DPR-25
 to Increase Spent Fuel Storage
 Pool Capacity
NRC Docket Nos. 50-237/249

Reference (a): R. F. Janecek letter to Director of Nuclear
 Reactor Regulation dated December 2, 1980

Dear Sir:

As indicated in Reference (a), enclosed for your review is
 Revision 5 to the report, "Licensing Report, Dresden Nuclear Power
 Plant Units 2 and 3, Spent Fuel Rack Modification". Also enclosed
 is the Affidavit and Testimony of James D. Gilcrest which identifies
 the content of and reason for each change.

None of the changes affect the structural design or
 analysis of the racks and the maximum k_{eff} for the racks and the
 storage pool remains below 0.95, as stated in the original report.

One (1) original and thirty-nine (39) copies of this
 transmittal are provided for your use.

Very truly yours,

Robert F. Janecek
 Nuclear Licensing Administrator
 Boiling Water Reactors

Enclosure

cc: John Wolfe, Esq.
 Dr. Linda W. Little
 Dr. Forrest J. Remick
 Mary Jo Murray
 RIII Inspector, Dresden

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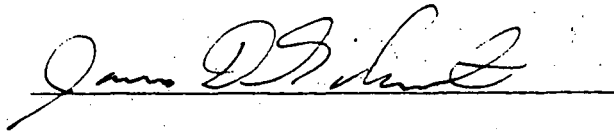
UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
THE ATOMIC SAFETY AND LICENSING BOARD

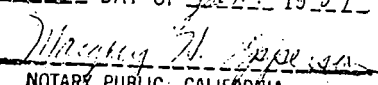
In the matter of COMMONWEALTH EDISON COMPANY) Docket Nos. 50-237-SP
(Dresden Station, Units 2 & 3)) 50-249-SP
(Spent Fuel Pool Modification)

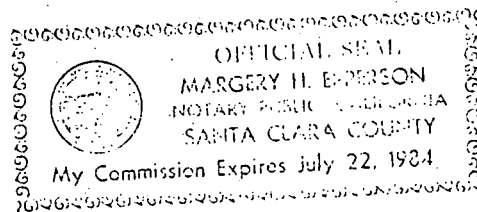
SS:
County of Santa Clara

AFFIDAVIT OF JAMES D. GILCREST

I, James D. Gilcrest, being first duly sworn, state that the attached testimony is true and correct to the best of my knowledge and belief.



SUBSCRIBED AND SWORN TO BEFORE ME
THIS 16th DAY OF Jan. 1981

NOTARY PUBLIC - CALIFORNIA



My name is James D. Gilcrest. I am the Manager of Mechanical Engineering for Quadrex Corporation. A statement of my qualifications has been submitted with earlier testimony.

I am submitting Revision 5 of the Dresden Fuel Rack Licensing Report QUAD-1-79-234 to incorporate the changes as itemized on the revision sheet contained in the report.

The purpose of these changes is as follows:

ITEM 1

The sentence referring to encapsulation and sealing of the neutron absorber is deleted, because it is somewhat misleading in view of the fact that the tubes are vented.

ITEM 2

The quantity of storage spaces as stated in the title of Figure 3.1-1 was corrected to read 2820. This was an oversight, and should have been changed when Figure 3.1-1 was corrected in Revision 4.

ITEMS 3 AND 4

A description of the tube venting was added in response to an NRC request.

ITEM 5

The incorrect " k_{eff} " heading was deleted from Table 3.3-4. This table does not address k_{eff} . Also, the active fuel length for the 8 x 8 fuel was corrected to read 145.24 inches, and a note was added to describe the effect of active fuel length on the criticality analysis results. Two different General Electric fuel assemblies have been considered in the design. The data presented in the table is for the assembly which results in the highest value of k_{eff} .

ITEM 6

A description of the in-situ neutron absorber testing and the action to be taken in the event of missing neutron absorber were added in response to an NRC request.

James D. Gilcrest
Manager, Mechanical Engineering
Quadrex Corporation