Commonwealth Edison Company

72 WEST ADAMS STREET * CHICAGO 90, ILLINOIS

March 30, 1966

United States Atomic Energy Commission
Washington, D. C. 20025

Attention: Division of Reactor Licensing

Re: Amendment of Application for Construction Permit and Operating License for Dresden Unit 2, AEC Docket No. 50237

Gentlemen:

Subsequent to the issuance of Provisional Construction Permit No. CPPR-18 on January 10, 1966 in Docket No. 50-237, the commitment was made by Commonwealth Edison Company to proceed with the construction of Dresden Unit 3 subject to receipt of authorization of the Commission, AEC Docket No. 50-249. Units 2 and 3 will be identical in virtually all respects, e.g., design concepts and criteria, capacity, and components. The only differences contemplated in the design of Units 2 and 3 relate solely to the location of equipment and the use by Unit 3 of a different source of normal auxiliary power.

The Unit 2 design and design analysis, as submitted and reviewed prior to the issuance of CPPR-18, has been modified because of (i) changes in the inter-connections and sharing of certain auxiliary systems and common facilities by Dresden Units 1, 2 and 3, (ii) changes related to the provision of a turbine generator for Unit 2 which is approximately 2% larger in capacity than originally considered, (iii) changes developed in the process of finalizing the design of Units 2 and 3, and (iv) refinements in certain analyses, all as listed and identified in Attachment A hereto.

None of the foregoing changes in design necessitates any revision in the terms of CPPR-18. Nevertheless, the Unit 2 Plant Design and Analysis Report should be amended to reflect such changes, except that with respect to design changes in category (i) above (changes in the inter-connections and sharing of certain auxiliary systems and common facilities) the amendment of the Unit 2 Report is contingent upon receipt of authorization to proceed with construction of Unit 3 in Docket No. 50-249.

The description and analyses of all of the proposed design changes are set forth in detail in the Unit 3 Plant Design

and Analysis Report filed in Docket No. 50-249 on February 10, 1966, and pertinent portions thereof, as indicated in Attachment A, are incorporated herein by reference. Substitution of appropriate pages of the Unit 2 Plant Design and Analysis Report will be made upon the conclusion of the pending review of the Unit 3 application for a construction permit.

Very truly yours,

COMMONWEALTH EDISON COMPANY

By Murray Joslin
Murray Joslin
Vice President

Subscribed and sworn to
before me this 31st day
of March, 1966.

Agnes Kuffner
Notary Public

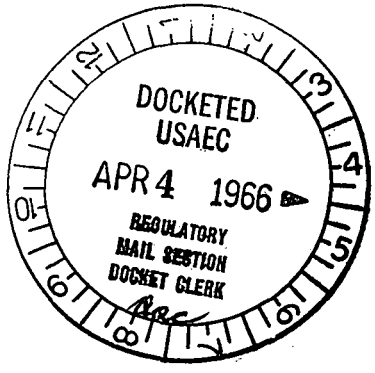
DOCKET NO. 50-237

File Copy (Formal)

ATTACHMENT A

(1) Changes in interconnections and sharing of auxiliary systems and common facilities. (These changes will be made only in the event construction of Unit 3 is authorized.)

Item	Section Reference in Unit 3 Plant Design and Analysis Report
General Description	Section I-7
Reactor Building (Secondary Containment)	Section V-4
Turbine Building	Section I-4
Radwaste Building	Section VI-2
New Fuel Storage	Section IX-1
Spent Fuel Shipping Facility	Section IX-1
Service Water System	Section IX-5
Reactor Building Cooling Water System	Section IX-5
Turbine Building Cooling Water System	Section IX-5
Containment Cooling System	Section V-3
Reactor Building Heating & Ventilation System	Section V-4
Turbine Building Heating & Ventilation System	Section I-7
Standby Gas Treatment System	Section V-4
Make-up Water System	Section IX-5
Make-up Demineralizer	Section IX-5
Fire Protection System	Section IX-5
Circulating Water System	Section IX-2
Radioactive Waste Control Systems	
Liquid Waste Control	Section VI-2
Gaseous Waste Control	Section VI-3
Solid Waste Control	Section VI-4



Item	Section Reference in Unit 3 Plant Design and Analysis Report
Standby Power Sources	
34.5 KV Line	Section VII-1
2500 KVA Standby Transformer	Section VII-2
Control Room	Section IX-4

(ii) Changes related to the provision of a turbine generator approximately 2% larger in capacity than originally considered.

Item	Section Reference in Unit 3 Plant Design and Analysis Report
Turbine	Section IX-2

(iii) Changes developed in the process of finalizing design of Units 2 and 3.

Item	Section Reference in Unit 3 Plant Design and Analysis Report
Reactor Vessel Overall Length Inside	Section I-4
Fuel Rod Pitch	Section IV-1
Reactor Recirculating Loops Design Pressures	Section V-2.3
Primary System Hydrostatic Test	Section V-2.6

Item	Section Reference in Unit 3 Plant Design and Analysis Report
Primary Containment System	Section V-3
Drywell External Design Pressure	
Downcomer Vent Pressure Loss Factor	
Drywell Free Volume	
Pressure Suppression Chamber Free Volume	
Recirculation Line Pipe Supports	Section V-3.2
Drywell NDT	Section V-3.2
Pressure Suppression Chamber NDT	Section V-3.3
Penetrations of Primary Containment and Isolation Valves	Section V-3.4 and V-3.5
Containment Inerting System	Section V-3.7
Standby Diesel Generator	Section VII-3
Circulating Water System	Section IX-2.6
Feedwater Heaters	Section IX-2.10
Isolation Condenser System	Section V-5.2.3

(iv) Refinements in certain analyses.

Item	Section Reference in Unit 3 Plant Design and Analysis Report
Inadvertent Isolation Valve Closure	Section XI-2.5.1
Loss of Auxiliary Power	Section XI-2.7.3
TIP System Guide Tube Failure	Section XI-2.7.7
Control Rod Drop - Radiological Effects	Section XI-3.1.6
Fuel Loading Accident	Section XI-3.2
Steam Line Rupture Outside Reactor Building	Section XI-3.3
Loss-of-Coolant Inside Drywell	Section V-3.7.2 Section XI-3.4 Section XI-3.5.4
Analytical Methods	Section XI-4