



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

March 15, 1977

**REGULATORY DOCKET FILE COPY**

Mr. Benard C. Rusche, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555



Subject: Dresden Station Unit 2  
Proposed Amendment to Facility Operating  
License No. DPR-19 to Permit Power Coast-  
down from 90% Power to 70% Power  
NRC Docket No. 50-237

References (a): J. S. Abel letter to D. L. Ziemann dated  
February 27, 1975, NRC Docket No. 50-265.

(b): R. L. Bolger letter to B. C. Rusche dated  
June 11, 1976, NRC Docket No. 50-265.

Dear Mr. Rusche:

Pursuant to 10 CFR 50.59, Commonwealth Edison Company proposes to amend Section 3.F of Facility Operating License No. DPR-19. The proposed amendment would eliminate the restriction which prohibits operation beyond the point in the fuel cycle at which the reactivity reduction rate during a scram is less than that of the end of cycle curve in Figure 1-1 of Reference (a).

The amendment is needed to permit continued operation of the unit beyond the end of cycle scram curve. Reference (b) presents an analysis for coastdown operation following the 90% power, all rods out condition of Quad-Cities Unit 2 Cycle 2A. This analysis shows that coastdown operation following the all rods out condition results in increased margin to the operating limits. Specifically, the pressure and MCPR margins as calculated, from the turbine trip without bypass transient were shown to increase as the power was reduced during coastdown.

Since Dresden 2 Cycle 5 operation is based on the same transient analysis as Quad-Cities Unit 2 Cycle 2A and has the same operating pressure and MCPR limits, then Dresden 2 will also have increased margins to these limits during the all rods out coastdown.

The proposed operating plan for Dresden Unit 2 is conservative when compared to the current operating limit requirements. No unreviewed safety hazards are introduced and no Technical Specification changes are required.

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Mr. Benard C. Rusche

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Under present operating conditions, the limit of the end of cycle scram curve will be reached about April 1, 1977.

The amendment has received on-site and off-site review and approval. Please direct any additional questions to this office.

Three (3) signed originals and 37 copies are provided for your use.

Very truly yours,



R. L. Bolger  
Assistant Vice President

SUBSCRIBED and SWORN to  
before me this 15<sup>th</sup> day  
of March, 1977

Nancy M. Hollingworth  
NOTARY PUBLIC

Attachment

**B. Technical Specifications**

The Technical Specifications contained in Appendix A, as revised, are hereby incorporated in the license. The license shall operate the facility in accordance with the Technical Specifications, as revised.

**C. Reports**

Commonwealth Edison shall make certain reports in accordance with the requirements of the Technical Specifications.

**D. Records**

Commonwealth Edison shall keep facility operating records in accordance with the requirements of the Technical Specifications.

E. For the purpose of repairing a crack in the recirculation bypass line in the "A" loop, the licensee may perform the repair program as described in a report entitled "Commonwealth Edison Company Dresden Station 2A Recirculation Pump 4" Equalizing Line Repair Program" transmitted by letter dated September 23, 1974.

**F. Restrictions**

At the point in the operating cycle at which the reactivity reduction rate during a scram is less than that of Curve B in Figure 1 of "Supplement B to Dresden Station Special Report 29," dated March 29, 1974, coastdown to 90% power with a fixed rod pattern shall commence. Rod withdrawal following coastdown may resume in order to maintain 90% power until the all-rods-out condition has been reached. Coastdown below 90% power may then continue. Operation at 90% power level shall not exceed the power vs. flow conditions defined by the nominal 90% flow control line. The flow control line during the coastdown periods shall be limited to that which is consistent with the steady state power level achievable at full flow. Operation of the reactor is not permitted after coastdown to 70% power pending further analyses.

**G. Equalizer Valve Restriction**

The valves in the equalizer piping between the recirculation loops shall be closed at all times during reactor operation.

4. This license is effective as of the date of issuance and shall expire eighteen (18) months from said date, unless extended for good cause shown, or upon the earlier issuance of a superseding operating license.

Attachment:  
Appendix A - Technical Specifications

FOR THE ATOMIC ENERGY COMMISSION

Date of Issuance: DEC 22 1969

*Peter A. Morris*

Peter A. Morris, Director  
Division of Reactor Licensing