



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

Docket File  
T5 C3  
50-295/304

December 20, 1996

Ms. Irene Johnson, Acting Manager  
Nuclear Regulatory Services  
Commonwealth Edison Company  
Executive Towers West III  
1400 Opus Place, Suite 500  
Downers Grove, IL 60515

SUBJECT: ISSUANCE OF AMENDMENTS (TAC NOS. M96228 AND M96229)

Dear Ms. Johnson:

The U.S. Nuclear Regulatory Commission (Commission) has issued the enclosed Amendment No. 177 to Facility Operating License No. DPR-39 and Amendment No. 164 to Facility Operating License No. DPR-48 for the Zion Nuclear Power Station, Units 1 and 2, respectively. The amendments are in response to your application dated July 26, 1996, as supplemented on September 3, 1996, September 18, 1996, two submittals dated October 14, 1996, October 22, 1996, two submittals dated November 8, 1996, and December 17, 1996.

The amendments allow Commonwealth Edison Company (ComEd) to control the reactor coolant system pressure and temperature limits for heatup, cooldown, low temperature operation and hydrostatic testing. They also revise the reactor vessel material surveillance program specimen withdrawal schedule such that the Unit 2 removal of capsule X is delayed until 19 Effective Full Power Years.

For Zion, Unit 1, weld WF-154, ComEd used surveillance data from the Point Beach, Unit 2, surveillance program to determine the chemistry factor. The staff has concluded that an adjustment in the chemistry factor for the Zion welds of +13 degrees Fahrenheit to account for the 13 degrees Fahrenheit difference in irradiation temperature between the Point Beach, Unit 2, surveillance capsules and the Zion vessel, should have been factored into the calculations. This adjustment is reflected in the enclosed safety evaluation. The amendments are satisfactory for implementation because this adjustment does not affect the pressure-temperature limit curves. However, depending on future surveillance capsule results, it is possible that it could become limiting. Therefore, in future calculations using surveillance data from Point Beach, Unit 2, an adjustment in the chemistry factor should be made to account for the difference in irradiation temperature. In its letter dated December 17, 1996, the licensee agreed to this change in methodology. If this causes a change in the limiting weld, ComEd is requested to notify the staff.

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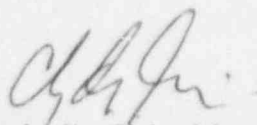
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Ms. Irene Johnson

- 2 -

The Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,



Clyde Y. Shiraki, Senior Project Manager  
Project Directorate III-2  
Division of Reactor Projects - III/IV  
Office of Nuclear Reactor Regulation

Docket Nos. 50-295, 50-304

Enclosures: 1. Amendment No. 177 to DPR-39  
2. Amendment No. 164 to DPR-48  
3. Safety Evaluation

cc w/encls: see next page

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\*see previous page for concurrence  
\*\*Memo from SRXB dated 11/19/96;  
no major changes

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I. Johnson  
Commonwealth Edison Company

Zion Nuclear Power Station  
Unit Nos. 1 and 2

cc:

Michael I. Miller, Esquire  
Sidley and Austin  
One First National Plaza  
Chicago, Illinois 60603

Dr. Cecil Lue-Hing  
Director of Research and Development  
Metropolitan Sanitary District  
of Greater Chicago  
100 East Erie Street  
Chicago, Illinois 60611

Phillip Steptoe, Esquire  
Sidley and Austin  
One First National Plaza  
Chicago, Illinois 60603

Mayor of Zion  
Zion, Illinois 60099

Illinois Department of Nuclear Safety  
Office of Nuclear Facility Safety  
1035 Outer Park Drive  
Springfield, Illinois 62704

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