



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

May 1, 1989

Docket No. 50-237

Mr. Thomas J. Kovach  
 Nuclear Licensing Manager  
 Commonwealth Edison Company  
 Post Office Box 767  
 Chicago, IL 60690

Dear Mr. Kovach:

SUBJECT: FRACTURE TOUGHNESS EVALUATION FOR DRESDEN UNIT 2, IPSAR TOPIC III-1  
 (TAC NO. 65176)

The staff has completed its review of the information provided by the Commonwealth Edison Company (CECo) in letters dated April 20, 1987 and January 6, 1989. These letters were provided to demonstrate that the materials in Dresden 2 have adequate fracture toughness. In our enclosed Safety Evaluation, we have concluded that all components reviewed as part of SEP Topic III-1, except for the shell side of the LPCI heat exchangers, have adequate fracture toughness. The materials on the shell side of the LPCI heat exchangers will have adequate toughness if their Lowest Service Temperature (LST) exceeds 77°F. We therefore request that CECo determine whether the LST exceeds 77°F for shell side of the LPCI heat exchanger. In addition, CECo should identify the operating conditions when it does not, the LST during these operating conditions, and the design changes necessary so that the LST exceeds 77°F. It is requested that this information be provided within 6 months of the date of this letter.

Any questions regarding this request or schedule for responding should be directed to Byron Siegel, Project Manager, for Dresden Unit 2.

*Paul C. Stomarsi* FOR  
 Daniel R. Muller, Director  
 Project Directorate III-2  
 Division of Reactor Projects III,  
 IV, V, and Special Projects

Enclosure:  
 As stated

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Mr. Thomas J. Kovach  
Commonwealth Edison Company

Dresden Nuclear Power Station  
Units 2 and 3

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