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April 23, 1993

Dr. Thomas E. Murley  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: Document Control Desk

Subject: Dresden Nuclear Power Station  
Unit 2 Cycle 14 Reload and COLR  
NRC Docket No. 50-237

- References: (a) B. Siegel (NRC) letter to T. Kovach (CECo), Approving Technical Specification Amendment and Core Operating Limits Report per Generic Letter 88-16, dated February 8, 1990.
- (b) B. Siegel memo to T. Kovach, dated November 23, 1992.

Dear Dr. Murley:

Dresden Unit 2, which has completed its thirteenth cycle of operation, is currently preparing for Cycle 14 startup. The purpose of this letter is to advise you of the Commonwealth Edison Company (CECo) review and approval of the Cycle 14 reload under the provisions of 10 CFR 50.59, and to transmit the Core Operating Limits Report (COLR) for the upcoming cycle consistent with Generic Letter 88-16. The Technical Specification amendment to incorporate the COLR for Dresden was previously approved by Reference (a).

The Dresden Unit 2 Cycle 14 core, which consists of NRC approved fuel types developed by Siemens Nuclear Power (SNP), formally Advanced Nuclear Fuels, was designed to operate under currently approved fuel design parameters, Technical Specifications and related bases such that:

- core operating characteristics will be equivalent to or less limiting than those previously reviewed and accepted; or
- reanalysis has been performed to demonstrate that the postulated FSAR events which could potentially be affected by the reload are within allowable limits.

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The reload licensing analyses performed for Cycle 14 utilized NRC approved methodologies. The cycle-specific power distribution limits for Cycle 14 are presented in the attached COLR.

CECo has performed a detailed review of the relevant licensing documents, the associated bases, and references. Based on that review, a safety evaluation was prepared, as required by 10 CFR 50.59, which concludes that the reload presents no unreviewed safety questions, and that no revisions to the current Technical Specifications are required as a result of the reload. The reload 10 CFR 50.59 has been evaluated in accordance with site procedures. Note that a Technical Specification amendment for Dresden Station Unit 2 was previously submitted and approved by the NRC, (Reference (b)). This Technical Specification change incorporated SNP's methodologies and increased the Safety Limit Minimum Critical Power Ratio (SLMCPR) from 1.05 to 1.08.

Finally, verification of the reload core design will be performed during startup testing. The startup tests will be consistent with Technical Specifications and the Draft-Regulatory Guide (Task SC 521-4). A summary of the results of key startup tests will be transmitted within 90 days following the resumption of commercial operation.

Based on the previous discussion, CECO has concluded that NRC review and approval of the Dresden Unit 2 reload analyses are not required for resumption of operation with the Cycle 14 core.

Please contact this office should further information be required.

Respectfully,



Peter L. Piet  
Nuclear Licensing Administrator

Attachment: COLR for Dresden Unit 2 Cycle 14

cc: A.B. Davis, Regional Administrator, Region III  
J.F. Stang, NRR Project Manager  
M.N. Leach, Senior Resident Inspector, Dresden