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ComEd

April 18, 1997

United States Nuclear Regulatory Commission
Washington, DC 20555

Attention: Document Control Desk

Subject: Quad Cities Nuclear Power Station Units 1 and 2
Dresden Nuclear Power Station Units 2 and 3
Pressure -Temperature Limits for Dresden and Quad Cities
NRC Docket Nos. 50-254/265 and 50-237/249

References:
(1) P. L. Piet letter to USNRC dated September 20, 1996, Request for Amendment to Extend the Pressure -Temperature Limits to 22 Effective Full Power Years (EFPY).

(2) J. Stang letter to I. Johnson dated December 9, 1996, Request for Additional Information (RAI).

(3) S. Perry letter to USNRC dated January 21, 1997, ComEd Response to NRC Request for Additional Information.

(4) J. F. Stang letter to I. Johnson dated February 28, 1997, Issuance of Amendments.

In the Reference (1) submittal, ComEd proposed an extension to the Pressure - Temperature (P-T) limits provided in the Dresden and Quad Cities Technical Specifications. During the review of ComEd's amendment request, the NRC Staff raised questions regarding the treatment of the electroslag weld chemistry data. These questions were formally transmitted to ComEd in the Reference (2) RAI. In Reference (3), ComEd responded to the RAI and committed to submit a revision to the supporting analysis (see Attachment) as described below.

- Since the available electroslag weld data is not specific to the heats of weld wire contained in the Dresden and Quad Cities reactor vessels, the electroslag weld chemistry is now comprised of the mean of the data plus one standard deviation as described in Regulatory Guide 1.99, Revision 2, Section 1.1 for generic data. The adjusted reference temperature (ART) tables now reflect this change.

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- The ART Tables for 18, 20, and 22 EFPY have been revised to show the predicted neutron fluence specific to the Table EFPY as well as the 32 EFPY fluence, based on a linear relationship between fluence and EFPY.

- The ART Tables for 18, 20 and 22 EFPY have been clarified to show separate line items for each of the lower-intermediate and lower shell courses, and the number of axial electroslag and submerged arc welds in each shell course.

As a result of the above changes, the adjusted reference temperature of some individual vessel materials has increased; however, the P-T curves provided in Reference (1) and approved by the Staff in Reference (4), which are based on the most limiting material of the four vessels, are not affected.

Please refer any questions you may have to this office.

John B. Hosmer
Vice President Engineering

Attachment: GE-NE-B11-00707-01R2, Pressure - Temperature Curves for Dresden and Quad Cities Stations, dated April 1997.

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