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May 28, 1981

Ms. E. Adensam, Acting Chief
Licensing Projects Branch 4
U. S. Nuclear Regulatory Commission
Washington, DC 20555



Re: Perkins Nuclear Station
Docket Nos. 50-488, 50-489, 50-490
Cherokee Nuclear Station
Dockets Nos. 50-491, 50-492, 50-493
Duke File No: P81-1412.05

Dear Ms. Adensam:

Pursuant to 10CFR50.55(a), Footnote 6, and Regulatory Guides 1.84 and 1.85, Duke hereby requests authorization to use the attached ASME Code Cases in the fabrication of the primary system components for the Perkins Nuclear Station Units 1, 2, and 3 and the Cherokee Nuclear Stations Units 1, 2, and 3.

Very truly yours,

A handwritten signature in cursive script, appearing to read "L. C. Dail".

L. C. Dail, Vice-President
Design Engineering Department

MST/pam

Attachment

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All of these code cases are the result of the high operating temperatures experience by the Containment Hydrogen Recombiner.

Code Case 1481-2 - Defines allowable stresses to be used for equipment sizing when operating temperatures are above the values listed in Section III of ASME Code.

Code Case 1592-14 - Defines the rules governing the materials, design and stamping of components which are to experience temperatures above those provided for in Section III, Division I.

Code Case 1644-8 - Defines materials in addition to those of Appendix I of Section III, Division 1, which may be used for Class 1, 2, and 3 or MC component supports constructed to the requirements of Subsection NF. This code case permits selection of the reaction chamber, coil support post and coil supports which experience temperatures over 800°F.