DUKE POWER COMPANY

ELECTRIC CENTER, BOX 33189, CHARLOTTE, N. C. 28242

L. C. DAIL
VICE PRESIDENT,
DESIGN ENGINEERING

February 15, 1979

Mr. R. S. Boyd, Director
Division of Project Management
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Re: Perkins Nuclear Station
Docket Nos: 50-488, 50-489, 50-490
Cherokee Nuclear Station
Docket Nos: 50-491, 50-492, 50-493
Duke File: P81-1412.05

Dear Mr. Boyd:

Pursuant to 10CFR50.55a, 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 Perkins Nuclear Station Units 1, 2, and 3 and Cherokee Nuclear Station Units 1, 2, and 3.

Very truly yours,

L. C. Dail
Vice President
Design Engineering

Attachment

JEB/jmi

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LIST OF CODE CASES AND REASONS FOR USE

	1332-6	1361-2	1557 **	1587	1644-5	1661	1698	1713 **	1731 *	1820
Reactor Vessel	X		X				X		X	X
Steam Generator	X			X		X	X	X		X
Pressurizer		X				X	X			
Primary Piping	X					X	X			
Steam Generator Upper Supports					X					

* Not included in Regulatory Guide 1.84 or 1.85. Further explanation given.

** Further explanation given.

* Code Case 1731 Revision 0 Basic Calibration Blocks for ASME Section 1X, Division 1 Ultrasonic Examination of Welds 10" to 14" thick

This Code Case is used for upper reactor vessel shell calibration blocks. The basic code does not provide for thickness greater than 10".

** Code Case 1713 Revision 0

We recognize that this Code Case has been annulled, since it has been incorporated in the Winter 1975 addenda to Section III of the Code, and therefore the Code Case may not be used in current construction. However, the applicable Code Addenda for the referenced power plant steam generators per the provisions of 10CFR50, is the 1971 Edition Summer 1973 addenda. Since this Code Case had previously been approved by the NRC for general use, we request that authorization for use in this instance be granted.

** Code Case 1557 Revision 0

We recognize that this Code Case has been superseded by 1557 Revision 2; however, in analyzing the differences between the two revisions, we find that Revision 0 is actually the more stringent for our application. The following information lists the difference between the two revisions and their effect on our material:

1557-2	1557-0
Section VIII	Section III was used and is still applicable. No effect on our material.
Note (1): A heat is defined as all of the ingots remelted from a single primary melt. Note (2): The heat analysis shall be obtained from one remelted ingot or the product of one remelted ingot of each primary melt.	More restrictive each slab or ingot was considered a heat. No effect on our material.
Note (3): If the initial heat analysis test does not meet the heat (ladle) analysis requirements of the Specification, one test from the product of each remelted ingot shall be made and shall meet the heat (ladle) analysis range.	More restrictive, no retests were allowed. No effect on our material.
Note (4): This code case shall not apply to SA-508.	SA-508 was not specified. This code case was used for SA-533 material. No effect on our material.
Note (5): Material shall be marked or identified with this code case number in addition to the remarking requirements of the Material Specification.	No effect since the marking would have been removed during fabrication for our plant. No effect on our material.

The material for which this Code Case applies was certified to Code Case 1557. The material vendor will not revise the mill test reports to show a later revision, and we do not believe that the Code Inspection will allow us to upgrade the Code Data Report without also having the mill test reports upgraded.

Since the material purchased to Code Case 1557-0 fully meets all requirements of 1557-2, we request authorization for the use of 1557-0.