



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

P.O. BOX 618, NORTH COUNTRY ROAD • WADING RIVER, N.Y. 11792

JOHN D. LEONARD, JR.
VICE PRESIDENT - NUCLEAR OPERATIONS

September 27, 1984

SNRC-1079

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Use of ASME Code Case N-253-2
Shoreham Nuclear Power Station - Unit 1
Docket No. 50-322

Dear Mr. Denton:

With this submittal, LILCO requests NRC approval to use ASME Code Case N-253-2, "Construction of Class 2 or Class 3 Components for Elevated Temperature Service".

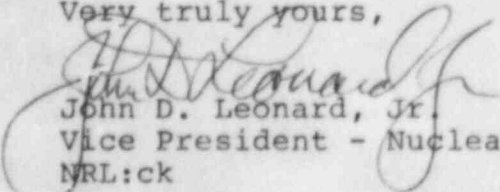
The Code Case is being utilized for the design of the diesel exhaust piping on the Colt Emergency Diesel Engines at Shoreham. The material specified is SA 312 Type TP 304 or TP 304H stainless steel, for a design temperature of 900°F. This exceeds the 800°F for which allowable stresses are specified in the ASME Section III Code for this material.

This Code Case contains rules for the selection of materials and the design of Class 2 and 3 components. It concerns those components that are expected to experience metal temperatures exceeding those covered by the rules and stress limits of Subsection NC, Subsection ND, and Tables I-7.0 and I-8.0 of Appendix I of the ASME Section III Code.

Approval is requested per 10CFR50.55a(a)(2)(ii) since the subject Code Case is not explicitly identified in Revision 22 of Regulatory Guide 1.85, "Materials Code Case Acceptability, ASME Section III Division I".

We thank you for your consideration of this request, and if you require additional information, do not hesitate to contact this office.

Very truly yours,


John D. Leonard, Jr.
Vice President - Nuclear Operations
NRL:ck

cc: P. Eselgroth
C. Petrone

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