



## LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION

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

July 12, 1979

SNRC-400

Mr. Harold R. Denton, Director  
Division of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SHOREHAM NUCLEAR POWER STATION - UNIT 1  
DOCKET NO. 50-322

Dear Mr. Denton:

This letter serves to inform you that the Long Island Lighting Company has invoked Code Case N-225 to ASME Section III which allows certification of Class 2 and Class 3 component standard supports (manufactured under subsection NF) by certificate of compliance rather than a certified material test report. Code Case N-122 (1745) to ASME Section III has also been invoked which defines the stress indices and procedures that may be used to evaluate stresses in Section III, Division I, Class 1 piping at integral structural attachments. The Long Island Lighting Company has also invoked ASME III, 1976 winter addendum Subsection ND-1130 allowing the elimination or weld repair of defects with no radiography required provided that the welds joining these materials are not required to be radiographed, the extent of the welded repair does not exceed 10 square inches of the surface area and magnetic particle or liquid penetrant examination of the repair is made as required by ND-2539.4. These changes have been reviewed and approved by LILCO, by our engineering and installation agents and will be reviewed and approved by the independent code inspection agency, Hartford Steam Boiler Company.

Additionally, this letter serves to supplement our letter SNRC-395 dated 5/29/79, invoking Code Case 1644-5 to ASME III. This should be modified such that Code Case 1644-5 is invoked for Class 1, 2 and 3 pipe support assemblies constructed to the requirements of subsection NF provided:

- 1) The pipe support assemblies have already been fabricated and stamped NPT,
- 2) Code Case 1644-5 was the current revision published by the ASME Council at the time of fabrication of the pipe support assemblies,

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SNRC-400  
Mr. Harold R. Denton  
July 12, 1979  
Page 2

- 3) The NF-1 or NF-2 code data reports certify compliance with Code Case 1644-5,
- 4) The maximum ultimate tensile strength of component support material shall not exceed 170 Ksi.
- 5) Pipe support assemblies constructed under subsection NF which have not been fabricated, certified and stamped to date must comply with the revision of Code Case 1644 (i.e. 1644-8) in lieu of rev.5.

This letter also serves to supplement our letter SNRC-394 dated 5/29/79, invoking Code Case N-192 to ASME III. The following design conditions were used to procure the flexible metal hose:

A) Part Numbers: 76229-1, 76229-2, 76229-3, 76229-4, 76229-5

1. Design pressure and temperature: 2500 psig at 7000 F
2. System Application: flexible metal hose will be utilized on many systems including Main Steam, Feed water, RHR, HPCI, RCIC, etc.
3. Operating pressure and temperature: This will depend upon system application, however, the hose design is based upon highest pressure/temperature/deflection combination and is bounding.
4. The Purchase Order requires a seismic test report (by analysis) and a stress analysis be performed in accordance with NC-3649.

B) 1" by 57" flexible metal hose

1. Design pressure and temperature: 274 psig at 3500 F

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SNRC-400  
Mr. Harold R. Denton  
July 12, 1979  
Page 3

2. System Application: to be used in the Nuclear Boiler System (B21) supplying instrument air to the MSIV's.
3. Operating pressure and temperature: Same as instrument air system (P50) with external environmental conditions per location.
4. As per Item A-4 above.

These changes have been reviewed and approved by LILCO, by our engineering and installation agents and will be reviewed and approved by the independent code inspection agency, Hartford Steam Boiler Company.

These changes will be incorporated into the appropriate design specifications and installation documentation.

Very truly yours,

J. P. Novarro  
Project Manager  
Shoreham Nuclear Power Station

JJM:am

cc: Mr. Boyce Grier, Director  
Office of Inspection & Enforcement, Region I  
U.S. Nuclear Regulatory Commission  
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