



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

October 28, 1988

Docket No.: 50-322

Mr. John D. Leonard, Jr.
Vice President - Nuclear Operations
Long Island Lighting Company
Shoreham Nuclear Power Station
P. O. Box 618, North Country Road
Wading River, New York 11792

Dear Mr. Leonard:

SUBJECT: BULLETIN 88-05 SUPPLEMENTAL NEAR-TERM-OPERATING LICENSE (NTOL)
CRITERIA

As you are aware, when the NRC issues an operating license, both the staff and the applicant are required to certify that the facility being licensed is designed and built in accordance with the regulations. Because 10 CFR 50.55a, "Codes and Standards" includes ASME Code requirements, both certifications must consider the matter of compliance with the ASME Code.

Earlier this year the staff learned of potential ASME Code nonconformance problems for piping materials supplied by either the Piping Suppliers, Inc. or the West Jersey Manufacturing Companies. The staff's initial concerns were if any of these potential nonconforming components were installed in safety related piping systems and, if installed, would their strengths be sufficient to ensure that their safety functions would not be compromised. NRC Bulletin No. 88-05 and its two supplements address these concerns. LILCO's September 9, 1988 response to these documents provided the results of a vendor-specific component search and subsequent hardness testing results for the suspect components installed in safety related piping systems. Based on LILCO's testing, all suspect components installed in safety related piping systems exceeded the NRC/NUMARC hardness acceptance criteria.

However, the question of certification to the regulation is now the immediate concern for plants to be licensed. In order to resolve this issue the staff has developed the attached NTOL criteria. These criteria are also applicable to the Seabrook and Shoreham plants. Compliance with these criteria coupled with LILCO's September 9, 1988 response will provide the bases for either assuring full compliance with the ASME Code requirements or finding the nonconforming components to be acceptable alternatives as allowed by 10 CFR 50.55a(a)(3).

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Should you have any questions on this matter please do not hesitate to call me
(301) 492-1444.

Sincerely,

/s/

Stewart W. Brown, Project Manager
Project Directorate I-2
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosures:
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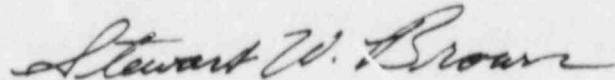
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Should you have any questions on this matter please do not hesitate to call me
(301) 492-1444.

Sincerely,

A handwritten signature in cursive script that reads "Stewart W. Brown".

Stewart W. Brown, Project Manager
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Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosure:
As stated

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ATTACHMENT

Supplemental NRC staff criteria to demonstrate an acceptable level of quality and safety of piping materials potentially not conforming to ASME Code requirements:

1. All installed suspect components must be identified, including all flanges, fittings and welded lugs.
2. All components not meeting SA 105 hardness requirements (BHN 187-137) shall be tested to assure that their chemistry is conforming. These components must also be evaluated for the applicable service loading conditions and the reduced material strength of the components to determine the adequacy of design margins.
3. A statistically valid sampling plan (such as Mil-STD-105D, Table I and IIa) shall be performed to determine that the chemistry of all the suspect parts conforms to SA 105 requirements. Each heat of material representing installed material should be included.
4. Credit for previously tested samples from representative heats may be taken for the sampling of the non-conforming components under 2) above when the number of required heats is determined under 3).