

U.S. NUCLEAR REGULATORY COMMISSION

Region I

Report No. 50-322/84-21
Docket No. 50-322
License No. CPPR-95 Priority -- Category B
Licensee: Long Island Lighting Company
Post Office Box 618
Wading River, New York 11792
Facility Name: Shoreham Nuclear Power Station
Inspection At: Shoreham, New York
Inspection Conducted: May 8-11, 1984
Inspectors: *Lewis Mallow* *6/6/84*
R. A. McBrearty, Reactor Engineer date
Approved By: *Jacques Durr* *6/8/84*
J. P. Durr, Chief, Materials & Processes date
Section, EPB, DETP

Inspection Summary:

Inspection on May 8-11, 1984 (Report No. 50-322/84-21)

Areas Inspected: Routine, announced inspection of licensee action on previous inspection findings and licensee response to IE Bulletins. The inspection involved 30 hours onsite by one region based inspector.

Results: No violations were identified.

Region I Form 12
(Rev. February 1982)

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DETAILS

1. Persons Contacted

Long Island Lighting Company

- * G. J. Gisonda, Regulatory Compliance Engineer
- * W. Hunt, Construction Manager
- J. M. Kelly, Field QA Supervisor
- * E. J. Nicholas, QA Section Supervisor
- A. W. Zeuthen, Section Head, Materials Engineering

U.S. Nuclear Regulatory Commission

C. Petrone, Resident Inspector

- * The above listed personnel attended the exit meeting.

2. Licensee Action on Previous Inspection Findings

(Closed) Unresolved Item (322/79-07-04): N4B feedwater nozzle weld at reactor pressure vessel (RPV) azimuth 135°. The inspector reviewed licensee records associated with radiographic, ultrasonic and liquid penetrant examination of the N4B nozzle weld. The radiography was done for acceptance in accordance with applicable requirements of ASME Section III, 1965 Edition and Winter 1966 Addenda, the applicable construction code. The liquid penetrant examination was done subsequent to removal of cladding and the ultrasonic examination was done to satisfy the ASME Section XI requirements. The various examinations disclosed no rejectable indications.

Based on the above, this item is considered closed.

3. Licensee Response to IE Bulletins

(Closed) IE Bulletin 80-13, Core Spray Sparger Cracking (322/80-BU-13): The inspector reviewed the licensee letter dated February 22, 1983, to the NRC, which states that the special requirements of IEB 80-13 will be addressed under Section 2.6 of the Shoreham ISI Program Plan. The plan is currently under preparation by Nuclear Energy Services, Inc. for the licensee.

Prior to installation, the Shoreham core spray spargers were ultrasonically and visually examined to meet the applicable Section XI preservice inspection requirements. The Bulletin requires no actions by the licensee at this time.

Based on the above, this item is considered closed.

(Closed) IE Bulletin 82-01, Alternation of Radiographs of Welds in Piping Subassemblies (322/82-BU-01): The licensee was required by the bulletin to review 100% of the shop weld radiographs of Class 1 and Class 2 piping welds supplied by AP&E. Supplement 1 of the bulletin addressed radiographs of piping supplied by ITT Grinnell Piping Inc. of Kernersville, North Carolina. The licensee determined that he had no AP&E supplied radiographed piping with wall thickness less than $\frac{1}{2}$ -inch. His review of AP&E piping greater than $\frac{1}{2}$ inch-thick revealed no alteration of the radiographic film.

The licensee was not required to take action relative to Supplement 1 of the Bulletin, but he found that no radiographed pipe was purchased from the Kernersville facility of ITT Grinnell for use at Shoreham.

The inspector reviewed documentation of the above actions, and based on his review, this item is considered closed.

(Closed) IE Bulletin 82-03 and 83-02, Stress Corrosion Cracking in Thick Wall, Large Diameter, Stainless Steel Recirculation System Piping at BWR Plants (322/82-BU-03) and (322/83-BU-02): The subject IE Bulletins were applicable only to operating reactors, therefore, the licensee was not required by the Bulletin to perform the specified actions.

The inspector reviewed documentation relative to actions taken by the licensee to mitigate the occurrence of intergranular stress corrosion cracking of recirculation system piping at Shoreham. The inspector found that the following actions were taken:

- ° All recirculation system jet pump risers were solution heat treated prior to installation.
- ° The induction heating stress improvement (IHSI) process was applied to 74 welds, equally divided between the "A" and "B" primary recirculation loops. Twenty-two welds were not processed because of their inaccessibility to the processing equipment, or having been solution annealed prior to their installation.
- ° All processed welds were subjected to liquid penetrant examination subsequent to IHSI.
- ° 25% of the processed welds were ultrasonically examined subsequent to IHSI. This was done as part of the PSI program.

Based on the above, this item is considered closed.

(Closed) IE Bulletin 80-08, Examination of Containment Liner Penetration Welds (322/80-BU-08): The inspector reviewed the licensee's response to IEB 80-08 and the Section 6.2.5.3 of NUREG-0420, Supplement No. 4, "Safety Evaluation Report related to the operation of Shoreham Nuclear Power Station, Unit 1." The bulletin did not require any action by the licensee other than a response to the posed questions. Based on the review of the response, this item is closed.

4. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on May 11, 1984. The inspector summarized the purpose and scope of the inspection and the findings.

At no time during this inspection was written material provided by the inspector to the licensee.