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FEB 04 1994

Docket No. 50-322

Mr. Arthur J. Bortz
Shoreham, Resident Manager
Long Island Power Authority
Shoreham Nuclear Power Station
P. O. Box 628, North Country Road
Wading River, New York 11792

Dear Mr. Bortz:

SUBJECT: NRC Inspection No. 50-322/93-04

This letter transmits the results of safety inspections conducted by Mr. R. L. Nimitz and others during the period October 9-December 30, 1993, at the Shoreham Nuclear Power Station, Wading River, New York. In addition, inspection of various licensee procedures and reports was conducted in the NRC Region I office. The inspectors focused on issues important to health and safety, and based their findings on independent observations of on-going activities, interviews, and document reviews. The inspection findings were discussed with you and members of your staff periodically during the inspection and were summarized at the exit meeting on December 30, 1993.

Areas reviewed during the inspection are discussed in the enclosed inspection report and included action on previous inspection findings; decommissioning status and activities; fuel shipping activities; termination surveys; organization, staffing, training, and qualifications; radiological controls; radioactive waste activities; maintenance and surveillance activities; sewage disposal; quality assurance; and fire protection and security. In addition, the inspector reviewed the circumstances surrounding the fire that occurred in the drywell on December 28, 1993, and the short term corrective actions taken following the fire. The apparent causes of the fire and your corrective actions were the subject of telephone discussions between us and our respective staff members on December 29, 1993, and January 4, 1994. The inspectors also reviewed the circumstances and corrective actions associated with the dropping of fuel channels on November 6 and December 22, 1993.

In addition to the above, during the period November 8-11, 1993, members of the Oak Ridge Institute for Science and Education's (ORISE) Environmental Survey and Site Assessment Program (ESSAP) performed independent on-site confirmatory surveys of your Phase I Termination Survey Program. ESSAP personnel did not identify any areas exceeding NRC decommissioning acceptance criteria.

The inspector's review indicated that, generally, decommissioning and termination survey activities were conducted in accordance with the approved Decommissioning and Termination

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Survey Plans. However, four apparent violations were identified. The first violation involved failure to establish adequate procedures for inspection of fuel shipping casks. The violation is included in the enclosed Notice of Violation (Notice). Our inspector verified that appropriate corrective actions were taken for this matter and no response to the Notice is required. Three other apparent violations were also identified that involved release of potentially contaminated material (samples) from the radiological controlled area, inadequate monitoring of sewage sludge prior to its disposal, and use of out dated procedures. Your staff identified the matter associated with release of samples and our inspectors identified the remaining matters. We reviewed these three latter apparent violations relative to the criteria for non-issuance of a Notice of Violation outlined in the NRC's Enforcement Policy and concluded that the applicable criteria were met. Consequently, these violations are not cited and no response to them is required.

One unresolved item was identified. The item involved our review of the December 28, 1993, fire in the drywell that identified potential inadequacies in fire protection controls for burning and cutting and compliance with fire protection procedures. We acknowledge that immediate corrective actions were taken for this matter but will complete our reviews of this matter and your long-term corrective actions during a future inspection.

Our reviews of the circumstances associated with the dropping of the two fuel channels did not identify any immediate safety concerns. However, we understand that your staff will study the two events, and the April 29, 1993, fall of a refueling jib crane to determine if there are any similarities in the root causes of the events. We will review the results of your study during a subsequent inspection.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be placed in the NRC Public Document Room.

Your cooperation with us is appreciated.

Sincerely,

Original Signed By;
James H. Joyner

James H. Joyner, chief
Facilities Radiological Safety
and Safeguards Branch
Division of Radiation Safety
and Safeguards

Enclosures:

1. Notice of Violation
2. NRC Inspection Report No. 50-322/93-04

cc w/encls:

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