

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-322/89-03

Docket No. 50-322

License No. NPF-19

Licensee: Long Island Lighting Company
P. O. Box 618
Shoreham Nuclear Power Station
Wading River, New York 11792

Facility Name: Shoreham Nuclear Power Station

Inspection At: Wading River, New York

Inspection Conducted: February 13-16, 1989

Type of Inspection: Routine, Unannounced Physical Security

Inspectors:

G. C. Smith, Safeguards Specialist

3-10-89

date

W. T. Olsen, Reactor Engineer-Physical Security

3-10-89

date

Approved by:

R. R. Keimig, Chief, Safeguards Section
Division of Radiation Safety and Safeguards

3-10-89

date

Inspection Summary: Routine, Unannounced Physical Security Inspection
(Inspection Report No. 50-322/89-03)

Areas Inspected: Licensee Action on Previously Identified Items; Management Support, Security Program Plans and Audits; Protected and Vital Area Physical Barriers, Detection and Assessment Aids; Protected and Vital Area Access Control of Personnel, Packages and Vehicles; Alarm Stations and Communications; Power Supply; Testing, Maintenance and Compensatory Measures; Security Training and Qualifications, and the Safeguards Information Program.

Results: The licensee was in compliance with NRC requirements in the areas inspected.

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DETAILS

1. Key Personnel Contacted

Licensee and Contractor Personnel

- *W. Steiger, Plant Manager
- *K. King, Acting Security Division Manager
- *T. Regel, Protection Technology Incorporated (PTI) Program Manager
- *R. Gutman, Assistant Department Manager, NOSD
- *A. Downs, Security Administration Supervisor
- *J. Welsh, Security Operations Supervisor
- *C. Segman, Acting NQA Manager
- *M. Pierson, Licensing Engineer
- *D. Smith, Compliance Engineer
- *W. Maloney, QC Manager
- *J. Spampincito, Site Captain, PTI
- D. Eagle, Office Manager, PTI
- J. Little, Screening and Badging, Administrator

U. S. Nuclear Regulatory Commission (NRC)

- *F. Crescenzo, Resident Inspector

*indicates those present at the exit interview

2. Licensee Action on Previously Identified Items

(Closed) Violation 87-08-01: The licensee did not provide appropriate compensatory measures when a fence alarm zone was in access. The licensee's actions in response to the Notice of Violation, as documented in a letter to the NRC dated September 1, 1987, were verified and found to be satisfactory.

3. Management Support, Security Program Plans, and Audits

- a. Management Support - Management support for the licensee's physical security program was determined to be adequate by the inspectors. This determination was based upon the inspectors' review of various aspects of the licensee's program.
- b. Security Program Plans - The inspectors verified that changes to the licensee's Security, Contingency, and Guard Training and Qualification Plans, as implemented, did not decrease the effectiveness of the respective plans, and had been submitted in accordance with NRC requirements.
- c. Audits - The inspectors reviewed the 1987 and 1988 annual security program audit reports and verified that the audits had been conducted in accordance with the Security Plan (the Plan). The audits were

comprehensive in scope with the results reported to the appropriate levels of management. The inspectors' review included the licensee's response to and corrective actions for the audit findings. The documented corrective actions appeared appropriate for the findings.

4. Protected and Vital Area Physical Barriers, Detection Assessment Aids, Isolation Zones and Lighting

- a. Protected Area Barriers - The inspectors conducted a physical inspection of the Protected Area (PA) barriers on February 14 and 15, 1989. The inspectors determined, by observation, that the barriers were installed and maintained as described in the Plan.
- b. Protected Area Detection Aids - The inspectors observed the PA perimeter detection aids on February 14 and 15, 1989 and determined that they were installed, maintained and operated as committed to in the Plan.
- c. Isolation Zones - The inspectors verified that isolation zones were adequately maintained to permit observation of activities on both sides of the PA barrier.
- d. Protected Area and Isolation Zone Lighting - The inspectors conducted a lighting survey of the PA and isolation zones on February 15, 1989. The inspectors determined, by observation, that lighting in the isolation zones was adequate.
- e. Assessment Aids - The inspectors observed the PA perimeter assessment aids and determined that they were installed, maintained, and operated as committed to in the Plan.
- f. Vital Area Barriers - The inspectors conducted a physical inspection of selected Vital Area (VA) barriers on February 14 and 15, 1989. The inspectors determined, by observation, that the barriers were installed and maintained as described in the Plan.
- g. Vital Area Detection Aids - The inspectors observed the VA detection aids and determined that they were installed, maintained and operated as committed to in the Plan.

5. Protected and Vital Area Access Control of Personnel, Packages and Vehicles

- a. The inspectors determined that the licensee was exercising positive control over personnel access to the PA and VAs. This determination was based on the following:
 - 1) The inspectors verified that personnel are properly identified and authorization is checked prior to issuance of badges and key-cards.

- 2) The inspectors verified that the licensee has a program to confirm the trustworthiness and reliability of employees and contractor personnel. This program includes checks on employment and criminal history, and a psychological examination.
 - 3) The inspectors verified that the licensee has a fitness for duty program in place. A drug testing program has been implemented and individuals are tested annually or for cause.
 - 4) The inspectors reviewed the security lock and key procedures and determined that they were consistent with commitments in the Plan. The inspectors also reviewed the PA and VA key inventory logs, and discussed lock and key procedures with members of the security force and the licensee's security staff.
 - 5) The inspectors verified that the licensee has a search program for firearms, explosives, incendiary devices and other unauthorized materials, as committed to in the Plan. The inspectors observed personnel access processing during shift changes and visitor access processing, and interviewed members of the security force and licensee's security staff about personnel access procedures.
 - 6) The inspectors determined, by observation, that individuals in the PA and VAs display their access badges as required.
 - 7) The inspectors verified that the licensee is implementing its escort program for visitors to the PA and VAs in accordance with the Plan. However,, a potential Plan deficiency was identified as a result of a violation during a previous resident inspector inspection. The potential deficiency has been forwarded to NRC-HQ/NRR for review and evaluation.
 - 8) The inspectors verified that the licensee has provisions for expediting prompt access to vital equipment during emergencies and that the provisions are adequate for the purpose.
 - 9) The inspectors verified that unescorted access to VAs is limited to authorized individuals. The VA access list is revalidated at least once every 31 days as committed to in the Plan.
- b. The inspectors determined that the licensee was exercising positive control over packages and material that are brought into the PA. The inspectors reviewed the package and material control procedures and found that they were consistent with commitments in the Plan. The inspectors also observed package and material processing and interviewed members of the security force and the licensee's security staff about package and material control procedures.

- c. The inspectors determined that the licensee properly controls vehicle access to and within the PA. The inspectors verified that vehicles are properly processed prior to entering the PA. The process was consistent with commitments in the Plan. The inspectors also reviewed the vehicle search procedures and determined that they were consistent with commitments in the Plan. This determination was made by observing vehicle processing and search, inspection of vehicle logs, and by interviewing members of the security force and licensee's security staff about vehicle processing and search procedures.

6. Alarm Stations and Communications

- a. The inspectors observed the operation of the Central Alarm Station (CAS) and Secondary Alarm Station (SAS) and determined that they were maintained and operated as committed to in the Plan. CAS and SAS operators were interviewed by the inspectors and found to be knowledgeable of their duties and responsibilities. The inspectors verified that the CAS and SAS do not contain any operational activities that would interfere with the assessment and response functions.
- b. The inspectors observed tests of communications capabilities in both the CAS and the SAS and reviewed the testing records for the communications channels.

7. Emergency Power Supply

- a. The inspectors verified that there are several systems (batteries, UPS inverters, and plant on-site AC power) that provide backup power to the security systems and reviewed the test and maintenance procedures for these systems. The systems and procedures were consistent with the Plan. The batteries, battery chargers and the UPS inverters are located in locked areas.
- b. The inspectors verified that the door access control system for VAs will permit emergency egress when normal power is lost.

8. Testing, Maintenance and Compensatory Measures

- a. The inspectors reviewed testing and maintenance records and confirmed that the records committed to in the Plan were on file and readily available for NRC review. The station provides instrumentation and controls technicians to repair/replace and test any security equipment which requires preventive or corrective maintenance. A check of repair records indicated that repairs/replacements and testing has been accomplished in a timely manner.

- b. The inspectors reviewed the licensee's use of compensatory measures and determined them to be as committed to in the Plan.

9. Security Training and Qualification

- a. The inspectors randomly selected and reviewed the training and qualifications records for ten security officers (SOs). Physical qualifications and firearms qualifications records were inspected. These records were for armed guards, security watchman and supervisory personnel. The inspectors determined that the required training had been conducted in accordance with the security program plans and that it was properly documented.
- b. Several SOs were interviewed to determine if they possessed the requisite knowledge and ability to carry out their assigned duties. The interview results indicated that the SOs were very professional and knowledgeable of their job requirements.
- c. The licensee's contract security force consists of 106 SOs and 31 supervisory personnel. The inspectors verified that the armed response force meets the commitments in the Plan and that there is always one full-time member of the security organization on-site who has the authority to direct security activities.

9. Safeguards Information Program

The inspectors reviewed the licensee's procedures and records, interviewed personnel and inspected Safeguards Information (SGI) Repositories to determine if the licensee's program for the protection of SGI meets the requirements of 10 CFR 73.21. The inspectors' review encompassed the types of information being protected, physical protection (in-use and in-storage), markings, access, external transmissions and automatic data processing systems. No discrepancies were identified.

10. Exit Interview

The inspectors met with the licensee representatives indicated in paragraph 1 at the conclusion of the inspection on February 16, 1989. At the time, the purpose and scope the inspection were reviewed and the findings were presented.

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