

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-213/85-23

Docket No. 50-213 License No. DPR-61

Licensee: Connecticut Yankee Atomic Power Company

P.O. Box 270

Hartford, Connecticut

Facility Name: Haddam Neck Plant

Inspection At: Haddam Neck, Connecticut

Inspection Conducted: November 25-27, 1985

Date of Last Physical Security Inspection: December 17-20, 1984

Type of Inspection: Unannounced Physical Security

Inspector: William Madden
William Madden, Physical Security Inspector

3-5-86
date

Approved by: R. R. Keimig
R. R. Keimig, Chief, Safeguards Section, DRSS

3-5-86
date

Inspection Summary: Unannounced, Physical Security Inspection on November 25-27, 1985 (Report No. 50-213/85-23)

Areas Inspected: Management Effectiveness - Security Program; Security Organization; Security Program Audit; Physical Barriers - Protected/Vital Areas; Assessment Aids; Access Control Personnel; Detection Aids - Protected/Vital Areas; Alarm Stations; Personnel Training and Qualification - General Requirements and Safeguards Contingency Plan Implementation Review. The inspection involved 19 hours onsite by a regional based inspection.

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

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DETAILS

1. Key Persons Contacted

R. Graves, Plant Superintendent
G. Bouchard, Station Services Superintendent
N. Tasker, Director, Systems Security (NUSCO)
P. Marcuse, Acting Security Supervisor
J. Mauros, Burns Security Services Regional Manager
P. Sweatland, Senior USNRC Resident Inspector
S. Pindale, USNRC Resident Inspector

The inspector also interviewed other licensee personnel and members of the contract security organization.

2. MC 30703 - Exit Interview

The inspector met with licensee representatives (listed in paragraph 1) at the conclusion of the inspection on November 27, 1985, and summarized the scope and findings of the inspection.

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

3. MC 81020 - Management Effectiveness - Security Program

Management attention to the security program was indicated by the following:

- a. Audit: The licensee implemented a "Self-Assessment Audit Program" for the security force. USNRC Inspection Procedures, supplemented by site specific requirements, are used by both proprietary and contract supervisory personnel to audit the security program objectives on a continuing basis. This program has significantly improved the efficiency and effectiveness of the security force and has raised morale.
- b. Fencing: In CY 1985, the licensee replaced 50% of the existent protected area fence. Additional protection was installed on certain sections of the fence.
- c. Access Road: A road that connects a rear area of the plant with an off-site road was blacktopped to facilitate travel of emergency vehicles and the security force.
- d. Security Vehicle: During CY 1985, a new pick-up truck was purchased for the security force.

- e. Security Force Shelters: During CY 1985, the licensee purchased four new shelters to protect security force members during inclement weather conditions when performing outside surveillance duties.
- f. Security Building: Renovation and refurbishing of the security building was completed in CY 1985. More space for supervisors and security force personnel was provided and the general appearance of the interior was improved.
- g. Security Program Presentation: A slide presentation of the features of the security program has been developed as a training/information aid for authorized personnel. This presentation was provided to this inspector and the assigned USNRC Resident Inspectors during this inspection. It was two hours in duration and professionally administered by staff members of the security force and included all program requirements along with illustrations/explanations of how the performance objectives are achieved.
- h. Security Drills: The security force contingency drill program has been expanded. In CY 1985, a total of 180 drills were carried out by the security force. Additionally, the security force developed "knowledgeability checklists" to test the knowledge of security force personnel in procedural requirements. This has reportedly sharpened task performance.

4. MC 81022 - Security Organization

The inspector confirmed that the staffing resources were adequate to meet the requirements of the NRC-approved security plan. Both morale and professional performance of the force were observed to be high.

5. MC 81034 - Security Program Audit

The inspector reviewed the CY 1985 Management Security Audit, NST-85-176, conducted by members of the corporate security directorate, on licensee compliance with the NRC-approved Modified Amended Security Plan, Suitability Training and Qualification Plan and implementing procedures for both plans. The audit was conducted by two qualified (NUSCO) staff members on September 4-11, 1985. The inspector found that the audit was an indepth and comprehensive review of the security program.

No noncompliances were identified during the audit; however, three recommendations were made: (1) improve the efficiency of the training program; (2) to document lighting standards, and (3) to modify a storage container for Safeguards Information. All three recommendations had been acted upon by the licensee.

6. MC 81052/MC 81054 - Physical Barriers - Protected/Vital Areas

The inspector, accompanied by the licensee and USNRC Resident Inspectors, inspected the protected area fence and gate barriers and a select number of vital area barriers. All were found in conformance with the NRC-approved security plan.

7. MC 81066/MC 81084 - Assessment Aids - Alarm Stations

The inspector, accompanied by the licensee and USNRC Resident Inspectors, inspected assessment aids and alarm stations. These were found in conformance with the NRC-approved security plan and licensee procedural requirements. At the request of the regional inspector, the CAS and SAS operators provided briefings on their functional responsibilities and demonstrated the operational status of the surveillance systems. No inadequacies were identified.

8. MC 81078/MC 81080 - Detection Aids - Protected/Vital Areas

The inspector, accompanied by a licensee instrumentation and controls (I&C) technician and USNRC Resident Inspectors, inspected detection aids in the protected and certain plant vital areas. All systems were observed to be in conformance with the NRC-approved security plan. At the request of the regional inspector, the I&C technician demonstrated the effectiveness of randomly selected alarm systems in different modes.

9. MC 81501/MC 81601 - Personnel Training and Qualification/General Requirements and Safeguards Contingency Plan Implementation Review

The inspector specifically reviewed the training program for CAS and SAS operators and found it in conformance with the NRC-approved Training and Qualification Plan. Training records for five operators were examined. This included a review of the 30 specific CAS/SAS position tasks, the CAS/SAS written examination, the CAS/SAS Supervisors' Certification Program, the CAS/SAS operators hands-on and on-the-job training program checklists, and the annual requalification examination. The inspector also reviewed a CAS/SAS training schedule, dated November 12, 1985, that outlined the training syllabus for November, 1985. Inspector observations of the CAS/SAS operators demonstrated the effectiveness of the training program. The inspector also observed that, as a matter of policy, the licensee requires all CAS/SAS operators to qualify for promotion to the rank of Sergeant before assuming CAS/SAS operator responsibilities.

As stated in paragraph 3 of this report, the licensee's security organization exercises drill scenarios on a routine basis. The active simulation of safeguards contingency events reinforces the overall proficiencies required under the NRC-approved Security Plan and Safeguards Contingency Plan. The inspector also noted that the licensee hosted two LLEA orientation visits by supervisors and officers during

CY 1985. Documentation reviewed by the inspector indicated that the visits included an in-depth presentation of licensee capabilities and a mutual exchange of ideas.