

REVIEWED BY:

R. R. Keimig

(NAME)

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NRC: REGION I

(ORGANIZATION)

7-20-88

(DATE)

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-271/88-07

Docket No. 50-271

License No. DPR-28

Licensee: Vermont Yankee Nuclear Power Corporation
R. D. 5, Box 169
Ferry Road
Brattleboro, Vermont 05301

Facility Name: Vermont Yankee Nuclear Power Station

Inspection At: Vernon, Vermont

Inspection Conducted: May 23-27, 1988

Date of Last Physical Security Inspection: October 26-29, 1987

Inspectors:

W. K. Lancaster

W. K. Lancaster, Physical Security Inspector

7/13/88

date

G. C. Smith

G. C. Smith, Safeguards Specialist

7/13/88

date

Approved by:

R. R. Keimig

R. R. Keimig, Chief, Safeguards
Section, FRSSB, DRSS

7/13/88

date

Inspection Summary: Routine, Unannounced Physical Security Inspection on
May 23-27, 1988 (Report No. 50-271/88-07)

Areas Inspected: Management effectiveness, Organization, Security system power supply, Physical barriers-protected area and vital areas, Lighting, Compensatory measures, Assessment aids, Contingency plan implementation, Protection of safeguards information and Program audit.

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

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DETAILS

1. Key Persons Contacted

a. Licensee and Contractor Personnel

- J. Pelletier, Plant Manager
- R. Pagodin, Technical Services Superintendent
- J. Sinclair, Plant Services Superintendent
- T. Linn, Security Supervisor
- R. Wanezyk, Operations Superintendent
- R. Grippardi, Quality Assurance Superintendent
- *C. Langmaid, Chief, Green Mountain Security Services (GMSS)
- *W. Jacobson, Assistant Chief, Operation, (GMSS)
- *R. Laudry, Assistant Chief, Training, (GMSS)

b. U.S. Nuclear Regulatory Commission Personnel

- *G. Grant, Senior Resident Inspector
- J. McDonald, Resident Inspector

*not present at the exit interview

The inspectors also interviewed other licensee and contractor security personnel.

2. Status of Inspector Follow-up Item

(Closed) IFI (86-06-01): Licensee to upgrade the assessment aid system to improve assessment capability. The licensee completed the upgrade on January 1, 1988. The inspectors verified that the licensee's system was adequate and met the NRC-approved Physical Security Plan (the Plan).

3. Management Effectiveness - Security Programs

The following actions have been taken by the licensee since the last NRC routine physical security inspection to enhance the existing security program:

- Increased the licensee's security staff by adding a position (Access Control Coordinator).
- Purchased a security systems training simulator to train and requalify Central Alarm Station (CAS) and Secondary Alarm Station (SAS) Operators.
- Revised approximately 26 security procedures to provide GMSS personnel step-by-step instructions concerning the station's security program. All GMSS personnel have been retrained in the areas affected by the new procedures.

- A station program has been implemented to conduct an annual review of all security procedures.
- The station's Quality Assurance (QA) Department has become more involved with the security program and is conducting quarterly audits rather than just the annual audit.
- The station's Instrumentation and Control (I&C) Department has instituted a quarterly Preventative Maintenance (PM) Program to support the security systems and equipment.

3. Security Organization

The inspectors reviewed the security organization and determined that all positions were filled and that the organization was as depicted in the Plan.

4. Security System Power Supply

The inspectors reviewed the security Uninterruptable Power Supply (UPS) and determined that the system functioned and was tested and maintained as committed to in the Plan.

5. Physical Barriers - Protected Area

The inspectors conducted a physical walk-around of the protected area barrier. It was determined, by observation, that the barriers were installed and maintained as described in the Plan.

6. Lighting

The inspectors conducted a physical inspection of the security lighting system in the protected area and isolation zones on May 25, 1988, from 7:00 p.m. to 10:15 p.m. The inspectors determined, by observation, that the lighting system was installed and maintained as described in the Plan.

7. Compensatory Measures

The inspectors reviewed the licensee's use of compensatory measures and determined that their use was consistent with the commitments in the Plan.

8. Assessment Aids

The inspectors observed the use of assessment aids in operation at both the CAS and SAS.

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9. Safeguards Contingency Plan Implementation Review

The inspectors determined that the licensee's program for responding to security threats and other contingencies, as outlined in the Plan, was adequate. The inspector also reviewed security drill records for 1987 and 1988 and determined that the licensee was identifying deficiencies during these drills and correcting these self identified deficiencies. The inspectors also noted during the review of these records that the plant operations staff had participated in a significant number of drills.

10. Physical Protection of Safeguards Information

The inspectors determined that the licensee's program for protecting safeguards information (SGI) onsite was as outlined in the Plan and is adequate. In addition, the inspectors physically inspected several SGI repositories onsite and found them to be adequate.

11. Security Program Audit

The inspectors reviewed security program audit reports and verified that the audits had been conducted in accordance with the Plan. The audits were comprehensive in scope with the results reported to the appropriate level of management. The review included the response of the security organization to the audit findings and the corrective action taken to remedy any adverse findings. The documented corrective actions appeared appropriate for the findings.

12. Physical Barriers-Vital Areas

The inspectors conducted a physical inspection of the Vital Area barriers. The inspectors determined, by observation, that the barriers were installed and maintained as described in the Plan.

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13. Exit Interview

The inspectors met with the licensee representatives indicated in Paragraph 1 at the conclusion of the inspection on May 27, 1988, and reviewed the purpose and scope of the inspection and presented the inspection findings.

No written material was provided the licensee during this inspection.