

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-271/84-19

Docket No. 50-271 License No. DPR-28

Licensee: Vermont Yankee Nuclear Power Corporation
RD 5, Box 169, Ferry Road
Brattleboro, Vermont 05301

Facility Name: Vermont Yankee Nuclear Power Station

Inspection At: Vernon, Vermont

Inspection Conducted: August 6-10, 1984

Inspectors: William J. Madden 10-10-84
William J. Madden, Physical Security Inspector date

Approved by: R. Keimig 10-10-84
Richard R. Keimig, Chief, Safeguards Section,
Nuclear Materials and Safeguards Branch date

Inspection Summary:

Inspection Conducted August 6-9, 1984 (Report No. 50-271/84-19)

Areas Inspected: Included review of Security Plan and Implementing Procedures; Security Program Audit; Security Organization; Records and Reports; Physical Barriers (Protected and Vital Areas); Compensatory Measures; Security System Power Supply; Assessment Aids; Access Control (Personnel, Packages and Vehicles); Detection Aids (Protected and Vital Areas); Alarm Stations; Communications; Personnel Training and Qualification and Safeguards Contingency Plans. The inspection involved 27 hours onsite by one NRC inspector. The inspection began during regular hours and included 2 hours during non-regular hours.

Results: The licensee was found to be in compliance in the 17 functional areas examined.

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Report Details

1. Key Persons Contacted

- J. Pelletier, Plant Manager
- *D. Reid, Operations Superintendent
- *B. Mulligan, Administration Supervisor
- *J. Babbitt, Security Supervisor
- *C. Langmaid, Chief of Security, Green Mountain Security

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

*denotes those present at exit interview.

2. Licensee Action on Previous Inspection Findings

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- b. (Closed) Violation (83-29-01) Failure to maintain positive control over an access controlled area. The inspector confirmed that the licensee's procedural program includes the maintenance of access control over access controlled areas when systems and/or barriers fail.

3. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on August 10, 1984. At that time, the purpose and scope of the inspection were reviewed and the findings presented. In conclusion, the inspector commented that the frequency of security systems failures was causing an abnormal amount of security event reports and implementation of compensatory measures by the security organization. Management representatives stated that they would address the problem.

4. ML81018 - Security Plan and Implementing Procedures

The inspector reviewed Revision 8 to the Vermont Yankee Physical Security Plan and found these changes consistent with the provisions of 10 CFR 50.54(p). Implementing procedures were also reviewed and found adequate.

5. MC81022 - Security Organization

The licensee's security organization conformed to Security Plan requirements. The licensee's management system provided for the development, revision, approval, implementation and enforcement of physical protection program requirements. The inspector reviewed the security organization's response to incidents, i.e., demonstrations and confirmed its adequacy in terms of organizational response, and handling of such events.

6. 81034 - Security Program Audit

The licensee audited the security program to assure it's continued effectiveness. Corrective actions to audit findings were made in a timely manner.

7. 81038 - Records and Reports

The licensee maintained records and reports consistent with the requirements of the Security, Training and Qualification and Safeguards Contingency Plans.

8. 81052 - Physical Barriers (Protected Area)

The licensee maintained the physical barriers surrounding the protected area in accordance with the Security Plan.

9. 81054 - Physical Barriers (Vital Areas)

The licensee maintained the physical barriers surrounding the vital areas in accordance with the Security Plan.

10. 81064 - Compensatory Measures

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11. 81058 - Security System Power Supply

The licensee maintained an adequate power supply system to provide emergency power to physical security equipment in accordance with the Security Plan. The power supply system was maintained and tested at the required intervals.

12. 81066 - Assessment Aids

The assessment aids utilized by the licensee were in accordance with the Security Plan.

13. 81070 - Access Control (Personnel)

The licensee controlled personnel access to the protected, vital and access-controlled areas in accordance with the Security Plan.

14. 81072 - Access Control (Packages)

The licensee controlled the entry of packages and material to the protected area in accordance with the Security Plan.

15. 81074 - Access Control (Vehicles)

The licensee properly controlled access of vehicles entering the protected area in accordance with the Security Plan. Vehicles that entered the protected area were properly searched and escorted when required.

16. 81078 - Detection Aids (Protected Area)

The licensee's intrusion detection system detected penetration tests of protected area initiated by the inspector in accordance with the Security Plan.

17. 81080 - Detection Aids (Vital Area)

The licensee's intrusion detection system detected penetration tests of vital and access controlled areas initiated by the inspector in accordance with the Security Plan.

18. 81084 - Alarm Stations

The onsite Central and Secondary Alarm Stations (CAS/SAS) established by the licensee were maintained in accordance with the Security Plan.

19. 81088 - Communications

The internal and external communication links established by the licensee were in accordance with the Security Plan.

20. 81501 - Personnel Training and Qualification

The licensee was accomplishing both entry level and requalification personnel selection and training in accordance with the Training and Qualification Plan. Performance capabilities observed by the inspector were consistent with regulatory requirements.