

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION 1

Report No. 50-271/80-11

Docket No. 50-271 License No. DPR-28 Safeguards Group 4

Licensee: Vermont Yankee Nuclear Power Corporation
20 Turnpike Road
Westborough, Massachusetts 01581

Facility Name: Vermont Yankee Nuclear Power Station

Inspection At: Vernon, Vermont

Inspection Conducted: July 28-31 and August 1, 1980

Date of Last Physical Security Inspection Visit: August 6-10, 1979

Type of Inspection: Unannounced Physical Security

Inspectors: R. E. Shepherd
R. E. Shepherd, Physical Security Inspector

8-22-80
date

date

Approved by: J. W. Devlin
J. W. Devlin, Chief, Security and Investigation
Section, Safeguards Branch

date
8/25/80
date

Inspection Summary:

Inspection on July 28-31 and August 1, 1980 (Report No. 50-271/80-11)

Areas Inspected: Included review of Security Plan; Security Program Audit; Security Organization; Physical Barriers (Protected Area and Vital Areas); Lighting; Access Controls (Identification, Authorization and Badging; Search; Escorting; Vital Areas); Alarm Stations; Detection Aids; Assessment Aids; Communications; Testing and Maintenance; Compensatory Measures; Power Supply; Response; Locks, Keys, and Combinations; Records and Reports. Licensee action on previously identified noncompliance items related to physical security: Follow-up on IE Bulletin 79-16 regarding Vital Area Access Controls and IE Circular 80-09 regarding plant communications systems.

The inspection involved 41 inspector-hours onsite by one NRC inspector. The inspection was begun during regular hours; 12 inspector-hours were accomplished during offshift periods.

Results: The licensee was found to be in compliance with NRC requirements within the 20 areas examined during the inspection except for the following 5 areas:

- 1.a. Security Organization - member of security force not qualified in one area (Infraction).
- b. Security Organization - security procedure not consistent with Security Plan (Deficiency).
2. Physical Barriers (Protected Area) - isolation zone not maintained as required (Infraction).
- 3.a. Testing and Maintenance - communications device not tested at required frequency (Infraction).
- b. Testing and Maintenance - door alarm not tested as required (Infraction).
4. Response - security assistance arrangement not documented (Deficiency).
5. Locks, Keys and Combinations - failure to implement key control procedure (Infraction).