

U. S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-320/83-01

Docket No. 50-320

License No. DPR-73

Licensee: GPU Nuclear Corporation

P. O. Box 480

Middletown, Pennsylvania

Facility Name: Three Mile Island Nuclear Station, Unit 2

Inspection At: Middletown, Pennsylvania

Inspection Conducted: January 10-14, 1983

Date of Last Physical Security Inspection: July 12-16, 1982

Type of Inspection: Routine, Unannounced Physical Protection

Inspectors:

W. C. Smith for 2/17/83
G. C. Smith, Physical Protection Inspector date

W. J. Bailey for 2/17/83
R. J. Bailey, Physical Protection Inspector date

W. L. Kushner 2/17/83
W. L. Kushner, Safeguards Scientist date

Approved by:

W. T. Gody for 2/17/83
A. T. Gody, Chief, Safeguards and Fuel Facilities Section, Nuclear Materials and Safeguards Branch date

Inspection Summary: Inspection Conducted January 10-14, 1983 (Report No. 50-320/83-01)

Areas Inspected: Site Orientation; Security Plan and Implementing Procedures; Security Organization (management, personnel, response); Security Program Audit; Records and Reports; Testing and Maintenance; Locks, Keys, and Combinations; Physical Barriers (Protected Area, Vital Area; Security System Power Supply; Lighting, Assessment Aids, Access Control (Personnel, Packages, Vehicles); Detection Aids (Protected Area, Vital Area); Alarm Stations Communications; Training and Qualification Plan; Safeguards Contingency Plan and follow-up on violations - The inspection involved 30 hours onsite by three NRC region-based inspectors. One inspection hour was accomplished during an off shift period.

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

DETAILS

1. Key Persons Contacted

- * Mr. J. J. Byrne, TMI-2, Licensing
- * Mr. H. Masini, Security Manager, GPU
- Mr. F. J. Maughan, Supervisor, Unit 2, Security
- * Mr. R. D. Stintzcum, Assistant Supervisor, Unit 2, Security
- * Mr. S. R. Finicle, TMI Security Training
- * Mr. S. E. Moritz, TMI Security Training
- Mr. L. H. Thonus, NRC Resident Inspector

The inspector also interviewed other licensee personnel and members of the site security force.

*denotes those present at the exit interview.

2. 92702 - Follow-up on Violations

(Closed) 50-320/82-09-01 (Violation) Failure to properly test vital door alarms. A review of testing and maintenance records disclosed all vital doors were being properly tested in a timely manner.

(Closed) 50-320/82-09-02 (Violation) Failure to maintain the required annunciation/indication capability for vital area alarms in both alarm stations. Equipment was installed to provide alarm annunciation and indication in both alarm stations.

3. 30703 - Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on January 14, 1983. At that time the purpose and scope of the inspection were reviewed and the findings presented.

4. 81114 - Site Orientation

No violations were noted. A site orientation tour was conducted. The purpose of the tour was to become familiar with the general layout of the facility and the locations and functions of the various components of the security program.

5. 81118 - Security Plan and Implementing Procedures

No violations were noted. The licensee's Security Plan and implementing procedures were adequate and appropriate to meet the general performance requirements and objectives of the governing regulations.

6. 81122 - Security Organization (Management)

No violations were noted. The licensee's security management structure and chain of command were in conformance with the Physical Security Plan. The licensee had a management system to provide for development, revision, implementation, and enforcement of physical protection procedures.

7. 81126 - Security Organization (Personnel)

No violations were noted. The licensee's security organization conformed with Security Plan requirements and implementing procedures. Personnel were adequately trained and qualified, and demonstrated their ability to carry out assigned duties and responsibilities.

8. 81130 - Security Organization (Response)

No violations were noted. The licensee's planned responses to contingencies conformed with Security Plan requirements. Liaison with local law enforcement authorities (LLEA) was current and documentation of LLEA response agreements was maintained as required.

9. 81134 - Security Program Audit

No violations were noted. The licensee audited the security program to assure its continued effectiveness. The recommendations of the audit were implemented.

10. 81138 - Records and Reports

No violations were noted. The licensee's reports to NRC were consistent within regulatory and Security Plan requirements. The records required to be retained for specified periods of time were complete, well maintained, and available for inspection at the site.

11. 81142 - Testing and Maintenance

No violations were noted. The licensee's program for testing and maintenance of security equipment conformed to the requirements of the Physical Security Plan and licensee procedures. Testing and maintenance records were reviewed to ensure they met regulatory requirements.

12. 81146 - Locks, Keys, and Combinations

No violations were noted. Security keys and card keys were controlled and protected in conformance with the Security Plan and licensee procedures. The card key system was effective and appropriate for the intended access control function.

13. 81152 - Physical Barriers (Protected Area)

No violations were noted. The licensee maintained the physical barriers surrounding the protected area in accordance with the Physical Security

Plan. The barriers were adequate and appropriate for the intended function.

14. 81154 - Physical Barriers (Vital Area)

No violations were noted. The licensee maintained the physical barriers surrounding the vital area in accordance with the Physical Security Plan. The barriers were adequate for the intended function.

15. 81158 - Security System Power Supply

No violations were noted. The licensee maintained an adequate power supply system to provide emergency power to physical security equipment, in accordance with Security Plan commitments. The power supply system was maintained and tested at the required intervals.

16. 81162 - Lighting

No violations were noted. The licensee's lighting of the isolation zones and protected area met the minimum illumination requirement contained in the Security Plan and was appropriate for its intended function. The lighting was sufficient to monitor and observe persons and activities within the protected area and isolation zones via closed circuit television or direct visual surveillance for the existence of a threat or unauthorized activities.

17. 81166 - Assessment Aids

No violations were noted. The assessment aids utilized by the licensee conformed to Security Plan requirements and were adequate and appropriate for their intended function.

18. 81170 - Access Control (Personnel)

No violations were noted. The licensee controlled personnel access to the protected area and vital area in accordance with Security Plan requirements.

19. 81172 - Access Control (Packages)

No violations were noted. The licensee controlled the entry of packages and material to the protected area in conformance with the Security Plan.

20. 81174 - Access Control (Vehicles)

No violations were noted. The licensee controlled access of vehicles to the protected area and vital areas in conformance with the Security Plan.

21. 81178 - Detection Aids (Protected Area)

No violations were noted. The perimeter intrusion alarm system detected penetration tests of the protected area and isolation zones, as required by the Security Plan.

22. 81180 - Detection Aids (Vital Areas)

No violations were noted. The licensee's intrusion detection system detected penetration tests of vital areas in accordance with the Security Plan.

23. 81184 - Alarm Stations

No violations were noted. The onsite central and secondary alarm stations (CAS/SAS) established by the licensee were maintained in conformance with Security Plan requirements.

24. 81188 - Communications

No violations were noted. The internal and external communications links established by the licensee conformed to Security Plan requirements and were adequate and appropriate for their intended functions.

25. 81501 - Training and Qualification Plan

No violations were noted. The licensees' Training and Qualification Plan was adequate and appropriate to meet the general performance requirements and objectives for personnel selection, training, and qualification.

26. 81601 - Security Contingency Plan

No violations were noted. The licensee's Security Contingency Plan (SCP) was adequate and appropriate to meet the general performance requirements and objectives. The licensee's responses to contingencies were consistent with responses detailed in the approved SCP and implementing procedures.