

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-289/85-11

Docket No. 50-289 License No. DPR-50

Licensee: GPU Nuclear Corporation

100 Interpace Parkway

Parsippany, New Jersey 07054

Facility Name: Three Mile Island Nuclear Station, Unit 1

Inspection At: Middletown, Pennsylvania

Inspection Conducted: March 4-8, 1985

Date of Last Physical Security Inspection: October 22-26, 1984

Type of Inspection: Routine, Unannounced Physical Security Inspection

Inspector: J. M. Dunlap
J. M. Dunlap, Physical Security Inspector

5/23/85
date

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

5/23/85
date

Inspection Summary: Routine, Unannounced Physical Security on March 4-8, 1985
(Report No. 50-289/85-11)

Areas Inspected: Security Plan and Implementing Procedures; Management Effectiveness; Security Organization; Security Program Audit; Locks, Keys, and Combinations; Physical Barriers (Protected/Vital Areas); Assessment Aids: Access Control (Personnel/Packages/Vehicles); Detection Aids (Protected/Vital Areas); Alarm Stations; Communications; and Personnel Training and Qualifications. The inspection involved 21 hours onsite by one NRC region-based inspector during regular hours.

Results: The licensee was found to be in compliance with NRC requirements in the areas examined, except for: Access Control - Personnel (failure to follow protected area processing procedure) and Personnel Training and Qualifications (failure to complete annual physical fitness tests for two uniformed protection personnel).

DETAILS

1. Key Persons Contacted

- *H. D. Hukill, Director, TMI-1
- *C. W. Smyth, Licensing Manager, TMI-1
- *R. B. Swartzwelder, Licensing, TMI-2
- *H. Masini, Security Manager, GPU Nuclear
- *C. L. Incorvati, Audit Supervisor, TMI-1
- *J. F. Marsden, Manager, QA Engineering
- *J. B. Miller, Operations QA Monitor
- *O. Shalikashvili, TMI Training Department
- *D. Laudermitch, Training
- *R. E. Nieidig, Jr., Communications
- *J. F. Stacey, Security Manager, TMI-1
- *R. D. Stintzum, Security Manager, TMI-2
- *R. J. Conte, Senior Resident Inspector (TMI-1), USNRC
- *F. I. Young, Resident Inspector (TMI-1), USNRC
- *K. R. Barr, Radiation Specialist, USNRC
- *W. H. Baunack, Project Engineer, USNRC
- R. J. Cook, Senior Resident Inspector (TMI-2), USNRC
- S. M. Otto, Licensing, TMI-1

*present at the exit interview.

The inspector also interviewed other plant employees and members of the licensee's proprietary security force.

2. 30703 - Exit Interview

The inspector met with licensee representatives at the conclusion of the inspection on March 8, 1985, to review the purpose and scope of the inspection and to present the findings. No written material was provided to the licensee by the inspector at anytime during the inspection.

3. 92701 - Followup on Inspector Identified Problems

(Open) Inspector Followup Item (84-34-01): Perimeter security modifications. Completion of modifications has been revised from March 31, 1985 to June 30, 1985.

4. 92702 - Followup on Violations

(Closed) Violation (84-34-02): CAS and SAS lacked sufficient communications training. All CAS and SAS operators were requalified in CAS/SAS operations on February 6, 1985, according to training records. The CAS/SAS operation review guidelines specifically identifies the various means of communication available to the operators for establishing com-

munications with the local law enforcement agency (LLEA). A copy of the guidelines concerning communication links to the LLEA was observed on the console, in each of the alarm stations.

5. 81018 - Security Plan and Implementing Procedures

The Modified Amended Physical Security Plan for Three Mile Island Nuclear Station, Units 1 and 2, Revision 19, dated February 29, 1984, and implementing procedures were reviewed and found to be adequate to meet the general performance requirements and objectives of 10 CFR 73.55. No unauthorized changes were identified.

6. 81020 - Management Effectiveness

The licensee's management is effective and adequately discharging its responsibilities as they concern the security program and the security force's day to day operation. Ongoing and future plans to enhance the security program include the purchase of new weapons and intrusion detection equipment. The security force appeared professional and was found to be generally competent to carry out its duties and responsibilities.

7. 81022 - Security Organization

The security management structure and chain of command are in conformance with the approved Physical Security Plan, Contingency Plan, procedures, and applicable regulatory requirements. They are adequate and appropriate for their intended function.

8. 81034 - Security Program Audit

The annual QA audit was completed on November 2, 1984. A review of the safeguards information (SGI) program during the QA audit found the safeguards information procedures to be implemented and all applicable documents controlled in accordance with the safeguards program. One recommendation made by the audit team was to improve control of the Security Plan exhibits by giving them page/revision numbers and including them in the table of contents. According to the Security Manager this recommendation will be implemented and included in a 10 CFR 50.54(p) change submittal.

9. 81038 - Records and Reports

A review of weekly and quarterly security equipment tests by the inspector disclosed no discrepancies. Licensee security event reports to the NRC were timely and complete. A review of thirty percent of the training records revealed a qualification violation which is addressed in paragraph 22 of this report.

10. 81042 - Testing and Maintenance

The licensee's program for testing and maintenance of security equipment conformed to the requirements of the physical security plan and licensee

procedures. Tests observed by the inspector of intrusion detection equipment and access control equipment disclosed that these systems met performance requirements and objectives.

11. 81046 - Locks, Keys, and Combinations

Security keys and card keys were controlled and protected in conformance with the security plan and licensee procedures. Tests conducted at the request of the inspector of the card key system indicated that it was effective and appropriate for the intended access control function.

12. 81152 - Physical Barriers (Protected Areas)

The inspector verified by observation that the licensee was maintaining the protected area physical barriers in accordance with the physical security plan. The barriers appeared adequate and appropriate for their intended function.

13. 81154 - Physical Barriers (Vital Areas)

A tour by the inspector of the vital areas verified that the licensee was maintaining the physical barriers surrounding the vital areas in accordance with the physical security plan. No openings larger than 96 square inches were observed in the barriers and they appeared adequate and appropriate for their intended function.

14. 81066 - Assessment Aids

The assessment aids utilized by the licensee were observed by the inspector and conformed to security plan requirements.

15. 81070 - Access Control (Personnel)

THIS PARAGRAPH CONTAINS 2.790(d)
INFORMATION AND IS NOT FOR
PUBLIC DISCLOSURE. IT IS
INTENTIONALLY LEFT BLANK.

16. 81072 - Access Control (Packages)

Observations of search procedures at the entry control points, by the inspector, verified that the licensee was controlling the entry of packages and material to the protected area (PA) in conformance with the MASP and approved procedures.

17. 81074 - Access Control (Vehicles)

The inspector observed the processing of vehicles into the PA and verified that the licensee was controlling access of vehicles in accordance with the MASP and approved procedures.

18. 81078 - Detection Aids - Protected Area

The licensee's intrusion detection system detected NRC inspector requested penetration tests of the protected area in conformance with the security plan and approved procedures.

19. 81080 - Detection Aids - Vital Areas

The licensee's intrusion detection system detected NRC inspector requested penetration tests of the vital areas in conformance with the security plan and approved procedures.

20. 81084 - Alarm Stations

Observation of the operations and tests of equipment in the Central and Secondary Alarm Stations (CAS/SAS) by the inspector verified that the licensee was maintaining these stations in accordance with the MASP and approved procedures.

21. 81088 - Communications

The inspector confirmed by observing tests that the internal and external communication links established by the licensee conformed to security plan requirements and were adequate and appropriate for their intended functions.

22. 81501 - Personnel Training and Qualification - General Requirements

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The two Unit 1 site protection personnel, who had not requalified as of March 6, 1985, requalified prior to completion of the inspection.