

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No.: 50-289/93-04

Docket No.: 50-289

License No.: DPR-50

Licensee: GPU Nuclear Corporation
100 Interpace Parkway
Parsippany, New Jersey 07054

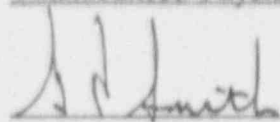
Facility Name: Three Mile Island, Unit 1

Inspection At: Middletown, Pennsylvania

Inspection Conducted: January 25-28, 1993


Type of Inspection: Unannounced Physical Security

Inspector:


G. C. Smith, Senior Security Specialist

2/4/93
Date

Approved By:


R. R. Keimig, Chief, Safeguards Section
Division of Radiation Safety and Safeguards

2/4/93
Date

Areas Inspected: Management Support and Security Program Plans; Protected and Vital Area Physical Barriers, Detection and Assessment Aids; Protected and Vital Area Access Control of Personnel, Packages and Vehicles; Alarm Stations and Communications; Emergency Power Supply; Testing, Maintenance and Compensatory Measures; Security Training and Qualifications.

Results: The physical security program was directed toward the protection of public health and safety. The licensee was found to be in compliance with NRC requirements in the areas inspected.

DETAILS

1.0 Key Persons Contacted

Licensee

M. Ross, Director, Operations and Maintenance
J. Stacey, Security Manager
B. Goodrich, Senior Security Supervisor
D. Barry, Engineer
D. Moyer, Protection Training leader
D. Hassler, Licensing Engineer
J. Brant, Training Instructor

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F. Young, Senior Resident Inspector

The personnel indicated above attended the exit meeting on January 28, 1993.

The inspector also interviewed other members of the licensee's security organization.

2.0 Management Support and Security Program Plans

2.1 Management Support

Management support for the licensee's physical security program was determined to be appropriate by the inspector. This determination was based upon the inspector's review of various aspects of the licensee's program during this inspection as documented in this report.

Since the last routine physical security inspection, which was documented in NRC Inspection Report No. 50-289/92-08, the licensee has upgraded the security program as described below:

- Completed the refurbishment and upgrade of the secondary alarm station;
- Computerized the North Gate access control functions;
- Installed a pan, tilt, and zoom camera at the North Gate;
- Purchased and put into service 17 new 4-channel radios;
- Sent four officers to tactical response training;
- Purchased and installed gas generators on two of the explosives detectors;

- Installed new turnstiles in the access control facility;
- Purchased weapons cabinets to be installed in the plant for contingency response purposes; and
- Had the U.S. Army 56th Explosive Ordnance Division onsite to assist in developing timelines to be used in contingency drills.

The following observations were made by the inspector.

- The site security force totalled 71 on January 28, 1992;
- the members of the security force exhibited a professional demeanor, high morale, and were very knowledgeable of their duties; and
- there was no turnover in the security force in 1992.

Based upon the inspector's review of the security program and the efforts being made to upgrade and enhance it, the inspector determined that the program is continuing to receive appropriate management attention and support.

2.2 Security Program Plans

The inspector verified that changes to the licensee's security program and plans, as implemented, did not decrease the effectiveness of the respective plans, and had been submitted in accordance with NRC requirements.

3.0 Protected and Vital Area Physical Barriers, Detection and Assessment Aids

3.1 Protected Area (PA) Barriers

The inspector conducted a physical inspection of the PA barriers on January 25, 1993, and determined, by observation, that the barriers were installed and maintained as described in the NRC-approved physical security plan (the Plan).

3.2 Isolation Zones

The inspector verified that the isolation zones were adequately maintained to permit observation of activities on both sides of the PA barrier.

3.3 Assessment Aids

The inspector observed the PA perimeter assessment aids and determined that they were installed and operated as committed to in the Plan.

3.4 PA and Isolation Zone Lighting

The inspector conducted a lighting survey of the PA and isolation zones on January 27, 1993. The inspector determined by observation that lighting in the PA and isolation zones was in accordance with commitments in the Plan.

3.5 Vital Area (VA) Barriers

The inspector conducted a physical inspection of VA barriers on January 27 and 28, 1993, and determined by observation that the barriers were installed and maintained as committed to in the Plan.

Overall, no deficiencies or discrepancies were noted by the inspector in the protected and vital area barriers, or in the licensee's detection and assessment aids.

4.0 Protected and Vital Area Access Control of Personnel, Packages and Vehicles

4.1 Personnel Access Control

The inspector determined that the licensee was exercising positive control over personnel access to the PA and VAs. This determination was based on the following:

- The inspector verified that personnel were properly identified and authorization was checked prior to issuance of badges and key cards.
- The inspector verified that the licensee was implementing a search program for firearms, explosives, incendiary devices and other unauthorized materials, as committed to in the Plan.
- The inspector observed personnel access processing during peak and off-peak periods. The inspector also interviewed members of the security force and the licensee's security staff about personnel access procedures.
- The inspector determined by observation that individuals in the PA and VAs displayed their access badges as required.

4.2 Package and Material Access Control

The inspector determined that the licensee was exercising positive control over packages and materials that are brought into the PA at the access control point. The inspector reviewed the package and material control procedures and found that they were consistent with commitments in the Plan. The inspector also

observed package processing and interviewed members of the security force and the licensee's security staff about package search procedures.

4.3 Vehicle Access Control

The inspector determined that the licensee properly controls vehicle access to and within the PA. The inspector verified that vehicles are properly processed prior to entering the PA. The process was consistent with commitments in the Plan. This determination was made by observing vehicle processing and search, and by interviewing security officers and licensee's security staff about vehicle processing and search procedures.

No deficiencies were noted in the licensee's protected and vital area access control of personnel, packages and vehicles.

5.0 Alarm Stations and Communications

The inspector observed the operations of the Central Alarm Station (CAS) and the Secondary Alarm Station (SAS) and determined that they were maintained and operated as committed to in the Plan. CAS and SAS operators were interviewed by the inspector and found to be knowledgeable of their duties and responsibilities. The inspector verified that the CAS and SAS did not contain any operational functions that would interfere with the assessment and response functions. The inspector verified that the licensee had communications with local law enforcement agencies as committed to in the Plan. No deficiencies were noted.

6.0 Emergency Power Supply

The inspector verified that there are several systems (batteries, dedicated diesel generator within the VA, and plant on-site AC power) that provide backup power to the security systems. No deficiencies were noted.

7.0 Testing, Maintenance and Compensatory Measures

7.1 Testing and Maintenance

The inspector reviewed selected testing and maintenance records and confirmed that the records committed to in the Plan were on file and readily available for licensee and NRC review. A check of repair records indicated that repairs, replacements and testing were being accomplished in a timely manner.

7.2 Compensatory Measures

The inspector reviewed the licensee's use of compensatory measures and determined them to be as committed to in the Plan.

No discrepancies or deficiencies were noted in the licensee's testing, maintenance and compensatory measures.

8.0 Security Training and Qualification

The licensee is in the process of upgrading contingency plan training. The upgraded training will include new contingency drill scenarios. This program upgrade is a joint effort of the operations and security departments. The security department has assigned and trained an adversary team for the drills and was in the process of developing timelines for the adversarial team to get from the plant perimeter to specific targeted equipment. The operations department worked with the security department to identify targeted equipment necessary for safe shutdown of the plant. The security and operations departments are scheduled to develop actions necessary to mitigate the loss of all or some of the targeted equipment. The inspector's review of this program upgrade determined that the licensee's actions taken in the development of the program appeared appropriate and that the participation of the operations department should insure that the appropriate target equipment has been identified and the correct mitigating actions are developed.

9.0 Exit Interview

The inspector met with the licensee representatives indicated in Section 1.0 at the conclusion of the inspection on January 28, 1993. At that time, the purpose and scope of the inspection were reviewed, and the findings were presented.