

**U. S. NUCLEAR REGULATORY COMMISSION
REGION I
SECURITY INSPECTION REPORT**

License/Docket/Report Nos. DPR-59/50-333/94-08


Licensee: **Power Authority of the State of New York**

Facility: **James A. FitzPatrick Nuclear Power Plant**

Inspection At: **Scriba, New York**

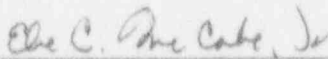
Inspection Dates: **March 7-11, 1994**

Inspectors:



E. B. King, Physical Security Inspector
A. Della Ratta, Physical Security Inspector

Approved by:



E. C. McCabe, Chief, Safeguards Section

SCOPE. Announced physical security inspection of: management support and audits; protected and vital area physical barriers, detection and assessment aids; protected area and isolation zone lighting; protected area access control of personnel, packages and vehicles; emergency power supply; alarm stations and communication; testing, maintenance and compensatory measures; locks, keys and combinations; and security training and qualifications.

RESULTS. Inspected aspects of the licensee's physical security program were determined to be appropriately directed towards assuring public health and safety. No safety concerns or violations of regulatory requirements were identified.

DETAILS

1.0 Key Persons Contacted

1.1 Licensee

- * H. Salmon, Resident Manager
- * T. Teifke, Security/Safety Manager
- D. Topley, Acting, General Manager-Support Services
- * J. Lindsey, General Manager-Maintenance
- * J. Haley, Security Supervisor
- * M. Warchol, Security Training Coordinator
- A. Zaremba, Organizational and Licensing Review Manager
- * G. MacCammon, Jr., Security Coordinator
- * S. Scott, Instrumentation & Control (I&C) Supervisor
- * J. Hoddy, Senior Licensing Engineer
- * D. Vandermark, Acting, Quality Assurance Manager

1.2 U. S. Nuclear Regulatory Commission

- * W. Cook, Senior Resident Inspector
- J. Tappert, Resident Inspector

- * Present at the exit interview on March 11, 1994

2.0 Management Support and Audits

2.1 Management Support

Management support for the physical security program was found to be consistent with program needs. This determination was based upon the inspectors' review of the licensee's program as documented in this report. Since the previous NRC security inspection in September 1993, the licensee has completed a preliminary engineering package for an assessment upgrade that is scheduled for completion in the Fall of 1996.

2.2 Audits

The inspectors reviewed the report of the licensee's annual Quality Assurance Audit (No. 93-31) of the fitness-for duty program, conducted on October 12-15, 1993. That review determined that the audit had been appropriately planned and carried out. Two audit findings and five recommendations were written. The inspectors reviewed the findings and recommendations and concluded that these were not indicative of programmatic weaknesses. Overall, the audit was assessed as very comprehensive, and the results were reported to the appropriate level of management. Inspector review of the licensee's actions on the audit findings and recommendations concluded that the identified concerns

were adequately addressed. Also, to supplement the NRC-required annual security program audit, the licensee implemented a quarterly self-assessment program. These assessments were reviewed by the inspectors and assessed as thorough and objective. Effective corrective actions were noted for identified weaknesses. No deficiencies were noted.

3.0 Protected and Vital Area Barrier, Detection and Assessment Aids

3.1 Protected Area (PA) Barrier

Through physical inspection of the PA barrier on March 8, 1994, the inspectors concluded the barrier was installed and maintained as described in the NRC-approved Security Plan (the Plan).

3.2 Protected Area Detection Aids

Inspector observation of the perimeter detection aids on March 8, 1994 determined that they were installed, maintained and operated as committed to in the Plan. On March 9, 1994, the inspectors observed licensee testing of 14 intrusion detection system zones at 20 locations. All test results were satisfactory with no adjustments required.

3.3 Protected Area and Isolation Zone Lighting

On March 9, 1994, from approximately 6:15 p.m. to 7:45 p.m., the inspectors, accompanied by a licensee security supervisor, conducted a PA and isolation zone lighting survey. The inspectors determined by observation and by the use of the licensee's calibrated light meter that the station's lighting system was very effective and that the isolation zones were adequately maintained to permit observation of activities on both sides of the PA barrier. However, during the survey the inspectors identified an area in which the skirting along the side of a trailer was damaged due to snow removal. The licensee immediately notified the Building and Grounds Department, and the skirting was repaired within 20 minutes.

3.4 Assessment Aids

During daylight and darkness, the inspectors observed the PA perimeter assessment aids and determined that they were installed, maintained and operated as committed to in the Plan. As previously noted, the licensee was planning for the implementation of a major CCTV upgrade. That upgrade will be reviewed during subsequent routine inspections.

3.5 Vital Area (VA) Barriers

By observation during physical inspection on March 9, 1994, the inspectors determined that the VA barriers were installed and maintained as described in the Plan.

3.6 Vital Area Detection Aids

The inspectors observed licensee testing of 11 VA detection aids on March 9, 1994, and determined that they were installed, maintained and operated as committed to in the Plan.

In summary, the licensee's PA and VA physical barriers detection, and assessment aids satisfied NRC requirements.

4.0 Personnel, Package and Vehicle Access Control

4.1 Personnel Access Control

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

- The inspectors verified that personnel were properly identified and authorization was checked prior to issuance of badges and key cards.
- The inspectors verified that the licensee was implementing a search program for firearms, explosives, incendiary devices and other unauthorized materials as committed to in the Plan. Also, the inspectors observed both plant and visitor personnel access processing during peak and off-peak traffic periods on March 8 and 9, 1994. And, the inspectors interviewed members of the security force and licensee security staff about personnel access procedures. While observing personnel access during peak activity periods on March 8, 1994, the inspectors observed employees failing to empty their pockets of metal objects, causing a backup in the search train due to the amount of alarms generated when passing through the metal detectors. To correct this problem, the licensee conducted security shift briefings, reinforcing the need to have employees remove all metal objects from their person prior to entering the search train. The inspectors determined that the training was effective based on observations of personnel access control activities on March 9, 1994.
- The inspectors determined, by observation, that individuals in the PA and VAs displayed their badges as required.
- The inspectors verified that the licensee had escort procedures for visitors into the PA and VAs.

4.2 Package and Material Access Control

The inspectors determined that the licensee was exercising positive control of packages and materials brought into the PA through the warehouse and main access portal. The inspectors reviewed the package and material control procedures and found that they

were consistent with commitments in the Plan. The inspectors also observed package and material processing and interviewed members of the security force and the licensee's security staff about package and material control procedures.

4.3 Vehicle Access Control

The inspectors determined that the licensee properly controls vehicle access to the PA. The inspectors determined that vehicles were properly authorized prior to being allowed to enter the PA, with identification verified by a security force member (SFM). The inspectors also reviewed the vehicle search procedures and observed that at least two SFM's control vehicle access at the main vehicle access portal. These procedures were consistent with the commitments in the Plan. On March 10, 1994, the inspectors observed vehicle searches and interviewed members of the security force and the licensee's security staff about vehicle search procedures. The inspectors determined that they were knowledgeable of the requirements.

In summary, the licensee had effective programs which satisfied NRC requirements for PA and VA control of personnel, packages, and vehicles.

5.0 Emergency Power Supply

The inspectors verified that there are several systems (batteries, dedicated propane gas generator within a vital area and plant on-site AC power) that provide backup power to the security system. The inspectors reviewed the testing and maintenance records and procedures for these systems and found that they were consistent with the Plan. No deficiencies were noted.

6.0 Alarm Stations and Communications

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

7.0 Testing, Maintenance and Compensatory Measures

The inspectors determined that the licensee was testing and maintaining security systems and equipment as committed to in the Plan. This determination was based upon a review of the test records for security equipment. The station specifically assigns

instrumentation and controls (I&C) technicians to maintain security equipment. A review of these records indicated that timely repairs were being accomplished and that a priority is assigned to each work request. The inspectors also reviewed the use of compensatory measures and security force overtime and found them to be minimal, largely due to the efforts and prompt response of the maintenance group. No deficiencies were noted.

8.0 Locks, Keys and Combinations

On March 10, 1994, the inspectors reviewed the security lock, key, core and combination procedures and determined that they were consistent with the Plan. The inspectors also reviewed the PA and VA key and core inventory logs and discussed lock, key, core and combinations procedures with members of the licensee's operations department and security staff. No deficiencies were noted.

9.0 Security Training and Qualification

The inspectors randomly selected and reviewed training and qualification records for ten SFMs. The physical qualification and firearms requalification records were inspected for armed and unarmed SFMs and security supervisors. The inspectors determined that the training had been conducted in accordance with the security training and qualification (T&Q) plan and that it was properly documented. On March 9 and 10, 1994, the inspectors observed weapons requalification training. Based on observations at the range and discussions with the security training supervisor, the inspectors determined that the NRC-approved requalification requirements were being satisfied and that the range was controlled in a safe manner.

Several SFMs were interviewed to determine if they possessed the knowledge and ability to carry out their assigned duties. These interviews indicated that the SFMs were professional and knowledgeable of the job requirements. No deficiencies were noted.

10.0 Exit Interview

The inspectors met with the licensee's representatives indicated in Paragraph 1.0 at the conclusion of the inspection of March 11, 1994. At that time, the purpose and scope of the inspection were reviewed, and the findings were presented. The licensee acknowledged the inspection findings.