

U. S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-333/92-25

Docket No. 50-333

License No. DPR-59

Licensee: Power Authority of the State of New York
10 Columbus Circle
New York, New York 10019

Facility Name: James A. FitzPatrick Nuclear Power Plant

Inspection At: Scriba, New York

Inspection Conducted: December 7-10, 1992

Type of Inspection: Routine, Announced Physical Security

Inspector: Edward B. King
E. B. King, Physical Security Inspector

12/21/92
date

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

12-21-92
date

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

Results: The licensee's program was directed towards ensuring public health and safety and was in compliance with the NRC requirements in the areas inspected. 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
- * M. Colomb, General Manager-Support Services
- * J. Haley, Security Supervisor
- * M. Warchol, Security Training Coordinator
- * A. Zaremba, Organizational and Licensing Review Manager
- * G. MacCammon, Jr., Security Coordinator

1.2 U. S. Nuclear Regulatory Commission

- * J. Tappert, Resident Inspector
- * Denotes those present at the exit interview

The inspector also interviewed other licensee security personnel during this inspection.

2.0 Management Support and Audits

2.1 Management Support

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

Management support for the program was evident by the security program enhancements made since the last routine physical security inspection (50-333/92-10) primarily:

- the completion of a major perimeter upgrade to include the installation of additional assessment aids, repositioning of the protected area (PA) barrier and the repositioning of the intrusion detection system (IDS); and
- the instrumentation and controls (I&C) technicians received formalized classroom training, by the manufacturer, on the newly installed assessment aids;

2.2 Audits

The inspector reviewed the licensee's annual Quality Assurance Audit (No. 775) of the security program, which was conducted from May 4-29, 1992. The inspector verified that the audit had been planned and carried out in accordance with the NRC-approved physical security plan (the Plan). During the audit, no adverse findings were identified but fifteen recommendations were made as enhancements to the operation and administration of the security program. The recommendations were not indicative of programmatic weaknesses. The audit was very comprehensive in scope, and the results were reported to the appropriate level of management. The audit team included a consultant with nuclear security expertise. The inspector determined, by a review of the licensee's responses to the recommendations, that actions were taken on the recommendations to enhance the effectiveness of the program further. No deficiencies were noted by the inspector.

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

3.1 PA Barrier

The inspector conducted a physical inspection of the PA barrier on December 8, 1992. The inspector determined by observation that the barrier was installed and maintained as described in the Plan. No deficiencies were noted.

3.2 PA Detection Aids

The inspector observed the perimeter detection aids on December 8, 1992, and determined that they were installed, maintained and operated as committed to in the Plan. The inspector observed licensee testing of sixteen intrusion detection system zones at twenty three locations. All test results were satisfactory with no adjustments required. No deficiencies were noted.

3.3 PA and Isolation Zone Lighting

The inspector conducted a PA and isolation zone lighting survey on December 9, 1992, from approximately 4:45 p.m. to 5:45 p.m., accompanied by a licensee security supervisor. The inspector 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. No deficiencies were noted.

3.4 Assessment Aids

The inspector observed the PA perimeter assessment aids during day and night periods and determined that they were installed, maintained and operated as committed to in the Plan. No deficiencies were noted.

3.5 Vital Area (VA) Barriers

The inspector conducted a physical inspection of selected VA barriers on December 9, 1992. The inspector determined by observation that the VA barriers were installed and maintained as described in the Plan. No deficiencies were noted.

4.0 Protected and Vital Areas 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:

- 4.1.1 The inspector verified that personnel were properly identified and authorization was checked prior to issuance of badges and key cards. No deficiencies were noted.
- 4.1.2 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 both plant and visitor personnel access processing during peak and off-peak traffic periods on December 9 and 10, 1992. The inspector also interviewed members of the security force and licensee security staff about personnel access procedures. No deficiencies were noted.
- 4.1.3 The inspector determined, by observation, that individuals in the PA and VAs displayed their badges as required. No deficiencies were noted.
- 4.1.4 The inspector verified that the licensee had escort procedures for visitors into the PA and VAs. No deficiencies were noted.
- 4.1.5 The licensee had a mechanism for expediting access to the vital equipment during emergencies and that mechanism was adequate for its purpose. No deficiencies were noted.

4.2 Package and Material Access Control

The inspector determined that the licensee was exercising positive control over packages and materials that were brought into the PA through the warehouse and main access portal. 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 and material processing and interviewed members of the security force and the licensee's security staff about package and material control procedures. No deficiencies were noted.

4.3 Vehicle Access Control

The inspector determined that the licensee properly controls vehicle access to the PA. The inspector determined that vehicles were properly authorized prior to being allowed to enter the PA, with identification verified by a security force member (SFM). The inspector also reviewed the vehicle search procedures and observed that at least two SFMs control vehicle access at the main vehicle access portal. These procedures were consistent with the commitments in the Plan. On December 8 and 9, 1992, the inspector observed vehicle searches and interviewed members of the security force and the licensee's security staff about vehicle search procedures. No deficiencies were noted.

5.0 Alarm Stations and Communications

The inspector 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 inspector and found to be knowledgeable of their duties and responsibilities. The inspector verified that the CAS and SAS did not require any operational activities 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 a VA, and plant on-site power) that provide backup power to the security systems. The inspector reviewed the test and maintenance records and procedures for these systems and found that they were consistent with the Plan.

On December 7, 1992, the inspector reviewed the circumstances surrounding the loss of power to the station's security computer that occurred on June 23, 1992. The inspector reviewed Licensee Event Report (LER) # 92-034-00 and determined that all of the

affected areas were properly compensated and that the licensee had effectively implemented the proper corrective actions. No deficiencies were noted.

7.e Testing, Maintenance and Compensatory Measures

The inspector determined that the licensee was conducting testing and maintaining security systems as committed to in the Plan. This determination was based upon reviewing maintenance records for security equipment. The station provides dedicated technicians who are specifically assigned to maintain security equipment. A review of these records indicated repairs are being completed in a timely manner and that a prioritization schedule is assigned to each work request. The inspector 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.b Security Training and Qualification

The inspector randomly selected and reviewed training and qualification records for eight SFMs. The physical qualification and firearms requalifications records were inspected for armed and unarmed SFMs and security supervisors. The inspector determined that the training had been conducted in accordance with the security training and qualification (T&Q) plan and that it was properly documented.

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

9.0 Exit Interview

The inspector met with the licensee's representatives indicated in Paragraph 1.0 at the conclusion of the inspection of December 10, 1992. At that time, the purpose and scope of the inspection were reviewed, and the findings were presented.