

REVIEWED BY: ~~REDACTED~~

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NRC: Region I 12-15-89
(ORGANIZATION) (DATE)

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report Nos. 50-277/89-24
50-278/89-24

Docket Nos. 50-277
50-278

License Nos. DPR-44
DPR-56

Licensee: Philadelphia Electric Company
2301 Market Street
Philadelphia, Pennsylvania 19101

Facility Name: Peach Bottom Atomic Power Station, Units 2 and 3

Inspection At: Delta, Pennsylvania

Inspection Conducted: November 6-9, 1989

Type of Inspection: Routine Physical Security

Inspector: *R. Keimig* 12-12-89
G. C. Smith, Senior Physical Security date
Inspector

Approved by: *R. Keimig* 12-12-89
R. R. Keimig, Chief, Safeguards Section date
Facilities Radiological Safety and Safeguards
Branch

Inspection Summary: Routine, unannounced physical security inspection on November 6-9, 1989 (Combined Report Nos. 50-277/89-24 and 50-278/89-24)

Areas Inspected: Management Support, Security Program Plans and Audits; Protected Area Physical Barriers; Detection and Assessment Aids; Protected Area Access Control of Personnel and Packages; Vital Area Access Control of Personnel; Alarm Stations and Communications; Security Training and Qualifications; and Review of Open Items.

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

Details

1. Key Persons Contacted

Philadelphia Electric Company (PECO)

- *D. Smith, Vice President, PBAPS
- *G. Bird, Superintendent Nuclear Security
- *G. Cary, Chief Security Coordinator
- *R. Weindorfer, Corporate Director Nuclear Plant Security
- W. Syska, Physician Assistant
- *T. Cribbe, Regulatory Engineer

Protection Technology Inc. (PTI)

- V. Vitale, Regional Vice-President
- *M. Berner, Assistant Regional Manager
- *C. Brockman, Security Force Supervisor
- E. King, Training Coordinator
- R. Shires, Operations Lieutenant

U.S. Nuclear Regulatory Commission - Region I

- *J. Greeves, Acting Deputy Director, Division of Radiation Safety and Safeguards
- *J. Lyash, Senior Resident Inspector
- L. Myers, Resident Inspector
- R. Urban, Resident Inspector

*denotes those present at exit meeting

Other PECO and PTI personnel, including members of the security force, were also interviewed during the inspection.

2. Review of Open Items

(Closed) VIO 50-277/87-37-01 and 50-278/87-37-01: Failure to maintain the integrity of a protected area barrier and failure to maintain a compensatory post for a degraded protected area barrier. The inspector verified that no protected area barriers were degraded at the time of the inspection and that the licensee has procedures in place to assure that adequate compensatory measures would be implemented in the event of a degraded barrier.

(Closed) VIO 50-277/87-37-02 and 50-278/87-37-02: Failure to maintain adequate protected area lighting. The inspector verified through observation that the lighting in all areas of the protected area was adequate and exceeded the NRC-approved physical security plan (the Plan) illumination commitment.

3. Management Support, Security Program Plans, and Audits

- a. Management Support - Management support for the licensee's physical security program was determined to be adequate 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.
- b. Security Program Plans - The inspector verified that changes to the licensee's Security, Contingency, and Security Officer Training and Qualification Plan, as implemented, did not decrease the effectiveness of the respective plans, and had been submitted in accordance with NRC requirements.
- c. Audits - The inspector reviewed the 1989 annual security program audit report and verified that the audit had been conducted in accordance with the Plan. The audit was comprehensive in scope and depth with the results reported to the appropriate levels of management. The inspector's review disclosed that there were no findings or recommendations as a result of the audit and all findings from the previous audit were satisfactorily resolved. The corrective actions implemented for the findings of the previous audit appeared appropriate.

4. Protected Area Physical Barriers, Detection and Assessment Aids

- a. Protected Area (PA) Barriers - The inspector conducted a physical inspection of the PA barrier on November 6 and 7, 1989. The inspector determined, by observation, that the barrier was installed and maintained as described in the Plan.
- b. Protected Area Detection Aids - The inspector observed testing of the PA perimeter detection aids on November 8, 1989, and determined that they were installed, maintained and operated as committed to in the Plan.
- c. Isolation Zones - The inspector verified that isolation zones were adequately maintained to permit observation of activities on both sides of the PA barrier.
- d. Protected Area and Isolation Zone Lighting - The inspector observed the licensee conducting a lighting survey of the PA and isolation zones on November 7, 1989. The inspector determined that the licensee used a properly calibrated light meter and that lighting was adequate and met the licensee's commitment in the Plan.

- e. Assessment Aids - The inspector observed the PA perimeter assessment aids and determined that they were installed, maintained, and operated as committed to in the Plan.

5. Protected Area Access Control of Personnel, Packages and Vehicles

- a. The inspector determined that the licensee was exercising positive control over personnel access to the PA. This determination was based on the following:
 - 1) The inspector verified that personnel are properly identified and authorized prior to issuance of badges/keycards.
 - 2) The inspector verified that the licensee has a search program, as committed to in the Plan, for firearms, explosive, incendiary devices and other unauthorized materials. The inspector observed personnel access processing during shift changes and visitor access processing, and interviewed members of the security force and licensee's security staff about personnel access procedures. The inspector also observed the licensee test all search equipment. No deficiencies were noted.
 - 3) The inspector determined, by observation, that individuals in the PA display their access badges as required.
 - 4) The inspector verified that the licensee has escort procedures for visitors to the PA and that the procedures were being complied with by escorts and visitors.
- b. The inspector determined that the licensee was exercising positive control over packages and materials that are brought into the PA. 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.
- c. 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.

6. Vital Area Access Control of Personnel

The inspector observed the licensee's control of personnel access to vital areas and reviewed the Plan and procedures. One discrepancy was noted.

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The inspector observed access control at this point and reviewed the logs several additional times during the inspection and did not identify any further discrepancies. Additionally, the inspector reviewed the licensee's action to prevent recurrence and found it to be satisfactory. The discrepancy is considered by the inspector to be an isolated case of an oversight on the part of a security officer.

7. Alarm Stations and Communications

The inspector observed the operation 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 neither the CAS nor the SAS operator was encumbered with any operational activities that would interfere with his primary functions.

The inspector also observed tests of all communications capabilities in the CAS. No deficiencies were noted.

8. Security Training and Qualification

The inspector randomly selected and reviewed the physical qualification certifications for all armed security officers. Source medical documentation for certifications was also reviewed for selected armed security officers. The inspector's review determined that all armed security officers met the physical qualifications identified in the NRC-approved Training and Qualification Plan.

9. Exit Interview

The inspector met with the licensee's representatives indicated in paragraph 1 at the conclusion of the inspection on November 9, 1989. At that time, the purpose and scope of the inspection were reviewed and the findings were presented.