

U. S. NUCLEAR REGULATORY COMMISSION
REGION I

Report Nos. 50-387/90-23
50-388/90-23

Docket Nos. 50-387
50-388

License Nos. NPF-14
NPF-22

Licensee: Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Facility Name: Susquehanna Steam Electric Station, Units 1 and 2

Inspection At: Salem Township, Pennsylvania

Inspection Conducted: November 26-29, 1990

Type of Inspection: Routine, Unannounced Physical Security

Inspectors:

G. C. Smith

G. C. Smith, Senior Security Specialist

12/18/90
date

Approved by:

R. R. Keimig

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

12/18/90
date

Inspection Summary: Routine, Unannounced Inspection on November 26-29, 1990
(Combined Inspection Nos. 50-387/90-23 and 50-388/90-23).

Areas Inspected: Management Support and Audits; Protected Area Isolation
Zones; Physical Barriers and Assessment Aids; Vital Area Barriers and
Detection Aids; Protected and Vital Area Access Control of Personnel, Packages
and Vehicles; Alarm Stations; Testing, Maintenance and Compensatory Measures;
Lighting and Land Vehicle Bomb Contingency Procedure Verification.

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

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DETAILS

1. Key Persons Contacted

- W. Bohner, Corporate Security Director
- *R. Stotler, Supervisor of Security
- *F. Malek, Senior Security Shift Supervisor
- N. Licini, Access Control Supervisor
- *R. Grandreau, Security Training Supervisor
- *D. Cagle, Assistant to Supervisor Security
- *R. Ferentz, Security Systems Coordinator
- *R. Wehry, Compliance Engineer
- G. Barber, USNRC, Senior Resident Inspector
- J. Stair, USNRC Resident Inspector

The inspector also interviewed other licensee security personnel during the course of his inspection.

*present at exit interview

2. Management Support, Security Program Plans, and Audits

- 2.1 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.
- 2.2 Audits - The inspector reviewed the 1990 annual security program audit report and verified that the audit had been conducted in accordance with the NRC-approved Physical Security Plan (the Plan). The audit was comprehensive in scope with the results reported to the appropriate levels of management. The security organization had not responded to the audit findings at the time of the inspection because the audit report had been received the week prior to the inspection. The inspector's review of the audit findings disclosed they were minor in nature with minimal regulatory impact.

3. Protected Area Physical Barrier and Assessment Aids

- 3.1 Protected Area (PA) Barrier - The inspector conducted a physical inspection of the PA barrier on November 26, 1990. The inspector determined, by observation, that the barrier was installed and maintained as described in the Plan.
- 3.2 Isolation Zones - The inspector verified that 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, maintained, and operated as committed to in the Plan.

4. Vital Area Barriers and Detection Aids

4.1 Vital Area (VA) Barriers - The inspector conducted a physical inspection of VA Barriers on November 28, 1990 and determined they were installed and maintained as committed to in the Plan.

4.2 Vital Area Detection Aids - The inspector observed the VA detection aids and determined they were installed, maintained and operated as committed to in the Plan.

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

5.1 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:

- 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 program to confirm the trustworthiness and reliability of employees and contractor personnel. This program includes checks on employment history, criminal history, physical examination, and a psychological examination.
- 3) The inspector verified that the licensee takes precautions to ensure that only authorized individuals can be added to the VA access list by requiring a member of management to authorize additions to the list and also to review the list every 31 days as committed to in the Plan.
- 4) The inspector determined, by observation, that individuals in the PA display their access badges as required.
- 5) The inspector verified that the licensee has escort procedures for visitors to the PA and that the procedures were being complied with by the station staff.

5.2 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.

- 5.3 The inspector determined that the licensee properly controls vehicle access into and within the PA. The inspector verified that vehicles are properly processed prior to entering the PA and that the process was consistent with commitments in the Plan.

6. Alarm Stations

The inspector observed the operation of the Central and Secondary Alarm Stations (CAS and 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 do not contain any operational activities that would interfere with the assessment and response functions.

7. Testing, Maintenance and Compensatory Measures

7.1 The inspector reviewed 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. The station provides instrumentation and control technicians to repair/replace and test any security equipment which requires preventive or corrective maintenance. A check of repair records indicated that repairs/replacements and testing was being accomplished in a timely manner.

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

8. Lighting

The inspector conducted a lighting survey of the PA and isolation zones on November 27, 1990. The inspector determined by observation that lighting in the isolation zones and PA were adequate.

9. Land Vehicle Bomb Contingency Procedures Verification (TI 2515/102)

The inspector verified that the licensee's contingency procedures addressed the possibility of receipt of a warning regarding a land vehicle bomb threat and that the licensee had determined the availability of resources and equipment required to satisfy short-term contingency measures. The inspector had no further questions. This temporary instruction is closed.

10. Exit Interview

The inspector met with licensee management identified in paragraph 1 at the conclusion of the inspection on November 29, 1990. At that time, the purpose and scope of the inspection was reviewed, findings were presented, and commitments made by licensee personnel during the course of the inspection were confirmed.