

U. S. NUCLEAR REGULATORY COMMISSION  
REGION I

Report Nos. 50-387/91-11  
50-388/91-11

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: July 8-11, 1991

Inspectors: G. C. Smith 7/19/91  
G. C. Smith, Senior Security Specialist date  
E. King Sr 7/19/91  
E. King, Security Inspector date  
S. Fiveash 7/19/91  
S. Fiveash, Security Technician date  
Approved by: R. R. Keimig 7-19-91  
R. R. Keimig, Chief, Safeguards Section date  
Facilities Radiological Safety and Safeguards Branch  
Division of Radiation Safety and Safeguards

Inspection Summary: Routine, Unannounced, Physical Security Inspection on  
July 8-11, 1991 (Combined Inspection Nos. 50-387/91-11 and 50-388/91-11)

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;  
and Lighting.

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

## DETAILS

### 1.0 Key Persons Contacted

- \*T. Dalpiaz, Acting Superintendent of the Plant
- R. Stotler, Manager of Security
- \*D. Roth, Senior Compliance Engineer
- \*R. Hutson, Corporate Security Agent
- \*R. Ferentz, Security Operations Supervisor
- \*R. Gaudreau, Security Training Supervisor
- \*R. Gribble, Security Support Supervisor
- C. Lopes, Site Access Services Supervisor
- N. Licini, Access Control Supervisor
- \*G. Barber, USNRC, Senior Resident Inspector

The inspectors also interviewed other licensee security personnel during the course of this inspection.

\*present at exit interview

### 2.0 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 inspectors. This determination was based upon the inspectors' review of various aspects of the licensee's program during this inspection as documented in this report.
- 2.2 Audits - The inspectors 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 inspectors' review of the audit findings disclosed they had minimal regulatory impact.

### 3.0 Protected Area Physical Barrier and Assessment Aids

- 3.1 Protected Area (PA) Barrier - The inspectors conducted a physical inspection of the PA barrier on July 8 and 9, 1991. The inspectors determined, by observation, that the barrier was installed and maintained as described in the Plan.
- 3.2 Isolation Zones - The inspectors verified that isolation zones were adequately maintained to permit observation of activities on both sides of the PA barrier.

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

4.0 Vital Area Barriers and Detection Aids

4.1 Vital Area (VA) Barriers - The inspectors conducted a physical inspection of VA Barriers on July 9, 1991 and determined they were installed and maintained as committed to in the Plan.

4.2 Vital Area Detection Aids - The inspectors observed the VA detection aids and determined they were installed, maintained and operated as committed to in the Plan. The inspectors observed the licensee test selected VA detection aids. All detection aids tested were determined to be operable.

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

5.1 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:

- 1) The inspectors verified that personnel are properly identified and authorized prior to issuance of badges/keycards.
- 2) The inspectors 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, credit history and a psychological examination.
- 3) The inspectors determined, by observation, that individuals in the PA and VAs display their access badges as required.
- 4) The inspectors verified that the licensee has escort procedures for visitors to the PA and VAs and that the procedures were being complied with by the station staff.

5.2 The inspectors determined that the licensee was exercising positive control over packages and materials that are brought into the PA. 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. No deficiencies were noted.

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

#### 6.0 Alarm Stations

The inspectors 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 inspectors and found to be knowledgeable of their duties and responsibilities. The inspectors verified that the CAS and SAS do not contain any operational activities that would interfere with the assessment and response functions.

#### 7.0 Testing, Maintenance and Compensatory Measures

7.1 The inspectors 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 (I&C) to repair, replace and test any security equipment which requires preventative or corrective maintenance. A check of repair records indicated that repairs, replacements and testing was being accomplished in a timely manner.

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

#### 8.0 Lighting

The inspectors conducted a lighting survey of the PA and isolation zones on July 10, 1991. The inspectors determined by observation that lighting in the isolation zones and PA were adequate.

#### 9.0 Exit Interview

The inspectors met with licensee management identified in paragraph one at the conclusion of the inspection on July 11, 1991. At that time, the purpose and scope of the inspection was reviewed and findings were presented.