

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report Nos. 50-387/88-02
50-388/88-02

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

Inspection At: Salem Township, Pennsylvania

Inspection Conducted: January 4-7, 1988

Date of Last Physical Security Inspection: March 2-6, 1987

Type of Inspection: Routine, Unannounced Physical Security

Inspector: *Roland J. Bailey* 2-18-88
R. J. Bailey, Physical Security Inspector date

Approved by: *R. R. Keimig* 2-19-88
R. R. Keimig, Chief, Safeguards Section date
Division of Radiation Safety and Safeguards

Inspection Summary: Routine, Unannounced Physical Security Inspection on
January 4-7, 1988 (Combined Inspection Nos. 50-387/88-02 and 50-388/88-02)

Areas Inspected: Security Organization; Security Program Audit; Lighting;
Assessment Aids; Access Control (Personnel); Alarm Stations and Follow-up to
an Unresolved Item.

Results: The licensee was in compliance with NRC-approved security plans in
the areas inspected.

BB03010036 880223
PDR ADOCK 05000387
G PDR

DETAILS

1. Key Persons Contacted

R. Byram, Plant Manager
D. Roth, Senior Compliance Engineer
R. Prego, Supervisor, Nuclear Quality Assurance
R. Statler, Security Supervisor

F. I. Young, USNRC Senior Resident Inspector
J. R. Stair, USNRC Resident Inspector

The inspector also interviewed other licensee personnel and members of the proprietary guard force.

2. Follow-up on an Unresolved Item

(Closed) UNR, 50-387/86-23-01 and 50-388/86-24-86-24-01: Licensee does not completely address the interface responsibilities between operations and security for certain security contingency events. The inspector confirmed that the licensee had completed the actions committed to in its response to the inspection. In addition, the licensee provided additional information and training to plant operators and key security supervisors and has added security contingency and interface training to the initial and annual retraining schedule for operations supervisory personnel.

3. Security Organization

The inspector reviewed the security organization and found it to be in conformance with the NRC-approved physical security plan. The inspector determined that nine individuals left the security force since January 1, 1987; two resigned and seven transferred to other departments within the company. No discrepancies were noted.

4. Security Program Audit

The inspector reviewed NQA Report No. 87-063 and found that the licensee had properly and adequately audited the security program between September 15-October 6, 1987 to determine its continued effectiveness. The inspector observed that the security supervisor had adequately addressed the findings of the audit and was in the process of responding to the recommendations for improvements.

5. Lighting

The inspector conducted a tour of the entire protected area, accompanied by a licensee representative, during the hours of darkness (7:30 p.m.-10:00 p.m.) on January 4, 1988. Direct measurements of lighting levels was not possible because the licensee's light meter was not operable.

The inspector observed several areas within the protected area where light bulbs were burned out and two areas where the general lighting patterns had been altered because of equipment storage. The licensee took immediate compensatory security measures and on January 6, 1988, conducted a lighting survey of the questionable areas with a calibrated light meter. The survey results indicated that the illumination was marginal but sufficient to discern the presence of unauthorized individuals or activities. The inspector agreed with the assessment made by the licensee. The security supervisor acknowledged the inspector's observations and stated that: (1) a lighting survey will be conducted as soon as possible throughout the entire protected area; (2) temporary lighting will be installed, where necessary, to increase illumination levels until permanent lighting can be provided; and (3) security procedures will be reviewed to ensure that they clearly address the identification of potential lighting problems by security officers.

6. Assessment Aids

The inspector determined by observation during the hours of darkness and in daylight that the assessment aids utilized by the licensee conformed to the NRC-approved physical security plan. All equipment was functioning properly.

7. Access Control (Personnel)

The inspector observed that the licensee had installed new explosive detectors and X-ray machines in the North and South Gate Houses to aid in the search of individuals entering the protected area. Security force personnel demonstrated adequate skill and knowledge in the performance of their duties.

8. Alarm Stations

The inspector determined by direct observations at the central and secondary alarm station (CAS/SAS) that they were in conformance with the NRC-approved physical security plan. The inspector noted that CAS and SAS operators demonstrated adequate skill and knowledge in the performance of their duties.

9. Exit Interview

The inspector met with the licensee representatives listed in paragraph 1 at the conclusion of the inspection on January 7, 1988. At that time, the purpose and scope of the inspection were reviewed and the findings were presented.

At no time during this inspection was written material provided to the licensee by the inspectors.