

**U. S. NUCLEAR REGULATORY COMMISSION
REGION I
SECURITY INSPECTION REPORT**

License/Docket Nos.: 50-334 and 50-412/DPR-66 and NPF-73

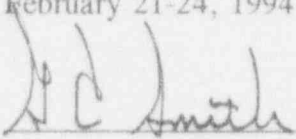
Report Nos.: 50-334/94-05 and 50-412/94-05

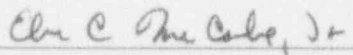
Licensee: Duquesne Light Company

Facility: **Beaver Valley Power Station, Units 1 and 2**

Inspection At: Shippingport, Pennsylvania

Inspection Dates: February 21-24, 1994

Inspectors: 
G. C. Smith, Senior Security Inspector
E. B. King, Security Inspector

Approved by: 
E. C. McCabe, Chief, Safeguards Section

SCOPE. Announced physical security inspection of: management support, audits and security program plans; protected and vital area physical barriers, detection and assessment aids; protected and vital area access control of personnel, packages and vehicles; alarm stations and communications; power supply; testing, maintenance and compensatory measures; and personnel training and qualification.

RESULTS. Inspected aspects of the licensee's physical security program were determined to be appropriately directed toward assuring public health and safety. No safety concerns or violations of regulatory requirements were identified.

DETAILS

1.0 Key Persons Contacted

1.1 Licensee

G. Thomas, Vice President Nuclear Services
E. Chatfield, General Manager Nuclear Services
M. Johnson, Manager of Security
R. Hecht, Instrument and Control Maintenance Director
K. Halliday, Director Electrical Engineering
N. Tonet, Manager Nuclear Safety
D. Kapp, Medical Administrator
C. Gales, Instrument and Controls Supervisor
N. Di Pietro, Nuclear Security Supervisor
D. Kline, Director Nuclear Security Operations
B. Sepelah, Licensing Engineer
J. Belfiore, Senior Quality Assurance Specialist

1.2 U. S. Nuclear Regulatory Commission

L. Rossbach, Senior Resident Inspector

The inspector also interviewed other members of the security organization.

2.0 Management Support, Audits and Security Program Plans

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 inspector review, as documented in this report, of aspects of the licensee's program.

Significant security program efforts undertaken since the last physical security inspection included the following:

- Upgrade of alarm assessment system to include installation of 19 new cameras and 36 new monitors.
- Attendance by four members of the security training organization at tactical training school at Fort Hood, Texas.
- Processing approximately 2,900 temporary employees to support two outages.
- Developing and implementing a self-assessment program for on-the-job training of Response Team Members being used as Access Controllers.

- Developing a site-table model to be used for table-top contingency drills.

2.2 Audits

The inspectors reviewed the report of the licensee's annual Quality Assurance Audit (BV-C-93-17) of the fitness-for-duty (FFD) program. That audit was conducted from August 8, 1993 to October 20, 1993, and included a technical advisor having FFD expertise. During the audit no findings or observations were written but three recommendations were made. The audit was very comprehensive in scope and the results were reported to the appropriate level of management.

On February 24, 1994, the inspectors met with the licensee's medical administrator to discuss a recommendation involving the licensee's contracted Employee Assistance Program (EAP) provider's reluctance to report to the licensee information received from a self-referral that may involve a hazard to the individual or others, as required by 10 CFR 26.25, due to the medical nature of the information. The meeting addressed actions taken by the licensee to resolve this issue. The discussions revealed that there was a change in contractor management and the new management was not made aware of the verbal commitment with the EAP and the licensee. That commitment had resolved this issue, as identified during previous FFD inspections. During this inspection, the licensee was in the process of including in the procurement documents the requirement for the EAP to notify licensee management when a determination has been made that an individual's condition constitutes a threat to that individual or to others (including those who have self-referred). This matter will be further reviewed during a subsequent inspection (IFI 50-334/94-05-01 and 50-412/94-05-01).

2.3 Security Program Plans

The inspectors verified that the changes to the licensee's Security and Guard Training and Qualification Plans, as implemented, did not decrease the effectiveness of the respective plans, and had been submitted in accordance with NRC requirements.

3.0 Protected and Vital Area Physical Barriers

3.1 Protected Area (PA) Barrier

By physical inspection of the PA barrier on February 22, 1994, the inspectors concluded that the barrier was installed and maintained as described in the NRC-approved Security Plan (the Plan).

3.2 PA Detection Aids

The inspectors reviewed documentation of licensee-conducted tests of the PA perimeter intrusion detection aids, reviewed test procedures and inspected the installation of the

detection aids. These detection aids were found to be installed, maintained and operated as committed to in the Plan.

3.3 Assessment Aids

The inspectors observed the PA perimeter assessment aids and determined that they were installed and operated as committed to in the Plan.

3.4 Vital Area (VA) Barriers

By observation during inspection on February 23, 1994, the inspectors determined that the VA barriers were installed and maintained as described in the Plan.

3.5 VA Detection Aids

The inspectors observed licensee testing of selected detection aids on February 23, 1994, and determined that they were installed, maintained and operated as committed to in the Plan.

No deficiencies were identified in the licensee's PA and VA physical barriers, detection and assessment.

4.0 Personnel, Package and Vehicle Access Control

4.1 Personnel Access Control

The inspectors determined that the licensee was exercising positive control over personnel access to the PA and VAs. This determination was based on the inspectors verifying the following:

- Personnel were properly identified and authorization was checked prior to issuance of badges and keycards.
- To ensure that an unauthorized name could not be added to the access list, the licensee had a member of management review the list every 31 days.
- As committed to in the Plan, the licensee had a search program for firearms, explosives, incendiary devices and other unauthorized materials. The inspectors observed personnel access processing during shift changes, visitor access processing, and interviewed members of the security force and licensee's security staff about personnel access procedures.
- Individuals in the PA and VAs displayed their access badges as required.

- The licensee had a mechanism for expediting access to vital equipment during emergencies, and the mechanism was adequate for its purposes.

4.2 Package and Material Control

The inspectors determined that the licensee was exercising positive control over packages and materials that were brought into the PA through the main access portal. The inspectors reviewed the package and material control procedures and found them 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 inadequacies were identified.

4.3 Vehicle Access Control

The inspectors determined that the licensee properly controlled vehicle access to and within the PA. Vehicles were properly authorized prior to being allowed to enter the PA. Identification was verified by the Security Officer at the main vehicle access portal. The procedure was consistent with the commitments in the Plan. On February 23, 1994, the inspectors observed vehicle searches and interviewed members of the security force and the licensee's staff about vehicle search procedures.

No deficiencies were identified in the control of personnel, packages or vehicles.

5.0 Alarm Stations and Communications

The inspectors observed the operations 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 inspectors and found to be knowledgeable of their duties and responsibilities. The inspectors verified that CAS and SAS operators do not perform any operational activities that would interfere with assessment and response functions. The inspectors verified that the licensee had communications with local law enforcement agencies as committed to in the Plan.

6.0 Emergency Power Supply

The inspectors verified that there were several systems (batteries, dedicated diesel generators within a vital area and plant on-site AC power) that provided backup power to the security system. The inspectors reviewed the testing and maintenance records and procedures for these systems and found that they were consistent with the Plan. No deficiencies were identified in this area.

7.0 Testing, Maintenance and Compensatory Measures

The inspectors determined that the licensee was testing and maintaining security systems and equipment as committed to in the Plan. This determination was based on review of test records for security equipment. The station provided instrumentation and controls technicians to repair, replace and test security equipment which required corrective maintenance. A review of maintenance records indicated that malfunctioning equipment that required compensatory measures involving security force members (SFMs) was corrected in a timely manner. The inspectors 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 identified in these areas.

8.0 Security Training and Qualification

The inspectors randomly selected and reviewed training and qualification records for 15 SFMs. The physical qualification and firearms requalification records were inspected for armed and unarmed SFMs and security supervisors. During discussions with the security training supervisor, the inspectors were informed that a new requalification tracking system was implemented to ensure that all training was performed within the requirements of the licensee's NRC-approved Training and Qualification Plan (T&Q). The inspectors determined that the training had been conducted in accordance with the 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 their job requirements. No deficiencies were identified in this area.

9.0 Exit Interview

The inspectors met with the licensee's representatives indicated in Paragraph 1.0 at the conclusion of the inspection on February 24, 1994. At that time, the purpose and scope of the inspection were reviewed, and the findings were presented. The licensee acknowledged the inspection findings.