


U.S. NUCLEAR REGULATORY COMMISSION
REGION I

License/Docket/Report Nos.: DPR-21/50-245/94-07
DPR-65/50-336/94-06
NPF-49/50-423/94-06

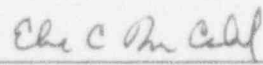
Licensee: Northeast Nuclear Energy Company
P.O. Box 270
Hartford, Connecticut 06141-0270

Facility Name: Millstone Nuclear Power Station - Units 1, 2 and 3

Inspection Dates: January 31 - February 4, 1994

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

2/17/94
Date

Approved By: 
E. C. McCabe, Jr., Chief
Safeguards Section
Division of Radiation Safety and Safeguards

2/17/94

Scope

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

Overall, the licensee's program was found to be directed toward ensuring public health and safety. A violation of NRC requirements was identified for failure to properly secure or protect Safeguards Information.

Details

1.0 Key Persons Contacted

1.1 Licensee and Contractor Personnel

P. Weekly, Acting Unit Services Director
G. Halburg, Manager - System Security
P. Anheld, Acting Security Manager
E. Strom, Security I&C Supervisor
E. Burke, Acting Security Operations Supervisor
D. Atwood, Security Training Coordinator
W. Temple, Site Licensing Engineer
B. Gilland, Security Engineering Specialist
K. Murphy, Senior Quality Assurance Analyst
J. Palmieri, Region Manager, Burns International Security Services (BISS)
R. Schmid, District Manager, BISS
R. Bajorin, Chief of Security, BISS
W. Bessette, Training Supervisor, BISS

1.2 U.S. Nuclear Regulatory Commission

P. Swetland, Senior Resident Inspector

The inspectors also interviewed other licensee and contractor security staff.

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 generally consistent with program needs. This determination was based upon the inspectors' review of various aspects of the licensee's program during this inspection as documented in this report.

Security program upgrades made since the last physical security inspection in August 1993 (50-245/93-23; 50-336/93-17 and 50-423/93-19) were as follows:

- Completion of the perimeter alarm system upgrade that included installation of improved system hardware;
- Continued development of an upgraded Tactical Response program, including identification and validation of target sets and the development and implementation of a new tactical response strategy; and

- Upgrading of the security computer with new disk drives that expand the data memory.

2.2 Audits

The inspectors reviewed the report of Audit A24040 of the Security Program. That audit was conducted from October 18 - November 24, 1993. The audit was assessed as comprehensive in scope, and its results were reported to the appropriate level of management. The audit identified one finding and six recommendations; none of these were indicative of programmatic weakness. The inspectors verified that appropriate actions had been taken to implement corrective action for the finding and that the licensee was in the process of implementing the recommendations.

2.3 Security Program Plans

The inspectors concluded that changes to the licensee's security program plans (security, contingency, and training and qualification), as implemented, did not decrease the effectiveness of the respective plans and had been submitted in accordance with NRC requirements. The inspectors also verified that security operations were being conducted in accordance with the NRC-approved security program plans and applicable procedures.

On January 28, 1994, the licensee notified NRC Region I that a proposed revision to the NRC-approved physical security plan (the Plan) had been misplaced. That proposed revision had been approved by the Site Operation Review Committee (SORC) on August 9, 1993 but was not submitted to the NRC for review. The purpose of the revision was to permit certain access controlled doors within a vital area (VA) to be accessed and opened during refueling activities. During this inspection, further review by the licensee determined that the plan revision was not necessary since existing provisions in the Plan provided for accessing the doors during refueling activities. However, although the misplaced Plan revision was deemed not necessary, it did contain Safeguards Information. The licensee conducted a search of security repositories that might contain the Plan revision and non-security repositories in which the SORC secretary might store the document. The document was not located. Safeguards Information in the document was determined by the licensee and concurred by the inspectors to be information that would not significantly assist an individual in an act of radiological sabotage. Nonetheless, failure to properly secure or protect Safeguards Information is a violation. (VIO 50-245/94-07-01; 50-336/94-06-01; 50-423/94-06-01)

3.0 Protected and Vital Area Physical Barriers, Detection and Assessment Aids

3.1 Protected Area (PA) Barrier

The inspectors physically inspected the PA barrier on February 1 and 2, 1994. It was determined, by observation, that the barrier was installed and maintained as described in the Plan and that the isolation zones were adequately maintained to permit observation of activities on both sides of the barrier.

3.2 PA Detection Aids

The inspectors reviewed test procedures and documentation of licensee-conducted tests of the PA perimeter intrusion detection aids, inspected the installation of the detection aids, and observed licensee-conducted tests of the detection aids at several locations around the perimeter. It was determined that the detection aids were installed, maintained and operated as committed to in the Plan.

3.3 Protected Area and Isolation Zone Lighting

The inspectors conducted a PA and isolation zone lighting survey on February 2, 1994, from approximately 7:15 to 8:15 p.m., accompanied by a licensee security supervisor. It was determined, by observation and by the use of the licensee's calibrated light meter, that the station's lighting system was very effective and that the isolation zones were adequately maintained to permit observation of activities on both sides of the PA barrier.

3.4 Assessment System

The inspectors observed the PA perimeter assessment aids and determined that they were installed and operated as committed to in the Plan. Video images on the monitors in both alarm stations were very sharp and provided good assessment capability.

3.5 Vital Area Barriers and Detection Aids

The inspectors physically inspected the VA barriers and detection aids on February 2 and 3, 1994, and determined by observation that the barriers were installed and maintained as committed to in the Plan.

No deficiencies were noted in the licensee's protected and vital area physical barriers, detection aids, assessment aids, or lighting.

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

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 following:

- The inspectors verified that the licensee was implementing a search program for firearms, explosives, incendiary devices and other unauthorized materials, as committed to in the Plan. Personnel access processing was observed during peak and off-peak periods on February 1 and 2, 1994. The inspectors also interviewed members of the security force and licensee's security staff and reviewed the personnel access procedures.
- The inspectors determined, by observation, that individuals in the PA displayed their access badges as required.
- The inspectors verified that the licensee had escort procedures for visitors in the PA and VAs.

4.2 Package and Material Control

The inspectors determined that the licensee was exercising positive control over packages and materials brought into the PA through the north and south access control facilities. Inspector review found package and material control procedures 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.

4.3 Vehicle Access Control

On February 2 and 3, the inspectors observed vehicle searches and interviewed members of the security force and the licensee's staff about vehicle search procedures. It was determined that the licensee was properly controlling vehicle access to and within the PA. The inspectors verified that vehicles were properly processed prior to being allowed to enter the PA. Identification was verified by the security officer at the vehicle access portals. This was consistent with the commitments in the Plan.

No deficiencies were noted in the control of personnel, package or vehicle entry into the protected and vital areas.

5.0 Alarm Stations and Communications

The inspectors observed the Central Alarm Station (CAS) and the Secondary Alarm Station (SAS) and determined 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 did not require any operational functions that would interfere with the assessment and response functions. Also, the inspectors verified that the licensee had communications with local law enforcement agencies as committed to in the Plan. No deficiencies were noted.

6.0 Emergency Power Supply

The inspectors verified that several systems (batteries, dedicated diesel generator, and plant on-site emergency AC power) provided back-up power to the security systems. Inspector review of the test and maintenance records and procedures for these systems found these consistent with the Plan. No deficiencies were identified.

7.0 Testing, Maintenance and Compensatory Measures

7.1 Testing and Maintenance

Inspector review of testing and maintenance records confirmed that the records committed to in the Plan were on file and readily available for licensee and NRC review. The Security Department instrumentation and control technicians conduct preventive or corrective maintenance. A check of repair records indicated that maintenance was being accomplished in a timely manner.

Testing of security equipment was done by a security organization member who was dedicated to that function. The inspectors observed testing at portions of the perimeter alarm system and personnel and package search equipment. All testing observed was done in accordance with testing procedures, realistically tested equipment performance, and was performed in a conscientious and professional manner.

7.2 Compensatory Measures

The inspectors reviewed the licensee's procedures for compensatory measures, interviewed members of the security force and licensee staff and compensatory requirements and observed all established compensatory posts in effect at the time of the inspection. All personnel interviewed were knowledgeable of the requirements for compensatory posts and all posts had been established in accordance with procedural requirements. The inspectors noted that there were post orders for each compensatory post.

No deficiencies were noted in testing, maintenance or compensatory measures.

8.0 Personnel Training and Qualification

The inspectors randomly selected and reviewed training and qualification (T&Q) records for 10 security force members. Physical and firearms qualification records for officers and supervisory personnel were also inspected. The inspectors determined that the training had been conducted in accordance with the security program plans and was properly documented. The inspectors also observed a training class session and noted that the class was conducted in a thorough and professional manner.

9.0 Exit Interview

The inspectors met with the licensee management identified in Paragraph 1.0 at the conclusion of the inspection on February 4, 1994. At that time, the purpose and scope of the inspection were reviewed and the preliminary findings were presented. The licensee acknowledged the inspection findings.