

U.S. NUCLEAR REGULATORY COMMISSION  
REGION I

Report No. 50-423/85-64

Docket No. 50-423

License No. CPPR-113

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

Facility Name: Millstone Nuclear Power Station, Unit 3

Inspection At: Waterford, Connecticut

Inspection Conducted: November 4-8, 1985

Inspectors: W. Madden  
W. Madden, Physical Security Inspector

4-1-86  
date

W. Martin  
W. Martin, Physical Security Inspector

4/1/86  
date

Approved by: R. R. Keimig  
R. R. Keimig, Chief, Safeguards Section

4-1-86  
date

Inspection Summary: Preoperational Security Program Review on November 4-8, 1985  
(Inspection Report No. 50-423/85-64).

Areas Reviewed: Outstanding Inspector Follow-up Items (IFI's) to determine the licensee's readiness to implement Revision "O" of the NRC-approved physical security plan, safeguards contingency plan and training and qualification plan and implementing procedures. Additionally, a special review of the training and qualification of the security force including observations of their performance in carrying out their assigned duties and responsibilities was conducted.

Results: The review indicated that the licensee's security plan commitments were being properly implemented and that the licensee was prepared to incorporate the Unit No. 3 physical protection program into the combined security program for the Millstone site. The review also determined that sufficiently trained and qualified security personnel are available to implement the program.

## DETAILS

### 1. Persons Contacted

R. Vogel, Unit 3 Engineer  
N. Tasker, Director Systems Security  
R. Asafaylo, Quality Services Supervisor  
M. Clark, Startup Engineer  
P. Weekly, Security Supervisor  
M. Griffin, Security Agent  
D. Vail, Senior Engineer/Design Group  
C. Spada, Assistant Security Shift Supervisor  
J. Mayoros, District Manager, Burns International Security Inc.  
T. Rebelowski, USNRC Senior Resident Inspector

The inspectors also interviewed other licensee and contractor personnel.

### 2. 30703 - Exit Interview

The inspectors met with the licensee representatives listed in paragraph 1 at the conclusion of the review on November 8, 1985. At that time the purpose and scope of the review and the results were discussed.

No written material was provided to the licensee by the inspectors.

### 3. MC 92701 - Status of Inspector Follow-up Items (IFIs)

- a. (Closed) IFI (50-423/85-09-04) - Security Organization Staffing Expansion: The inspectors determined that the licensee had sufficient staffing, including both contract and proprietary supervisors, to carry out program commitments.
- b. (Closed) IFI (50-423/85-09-06) - LLEA Familiarization Visit: The inspectors determined by a review of records that LLEA personnel visited the site on October 18, 1985 and October 28, 1985. Briefings were provided and documented support agreements were updated as required by the security plan.
- c. (Closed) IFI (50-423/85-09-11) - Development of Protected Area Access Controls: The inspectors determined by direct observations that the required fence barriers, gates, isolation zones and personnel search and identification controls were established in accordance with the security plan.
- d. (Closed) IFI (50-423/85-09-12) - Establishment of Vital Area Barrier and Access Controls: The inspectors determined by direct observations that the vital areas and access control equipment had been established in conformance with the security plan, except as noted in Paragraph 4.a.

- e. (Closed) IFI (50-423/85-09-14) - Protected area (PA) Lighting System: The inspectors determined by a review of documented surveys that the PA lighting, as installed, met the requirements of the security plan, except as noted in Paragraph 4.a.
- f. (Closed) IFI (50-423/85-09-18) - Vehicle Access Controls: The inspectors determined by direct observations that vehicle access controls were in conformance with the security plan.
- g. (Closed) IFI (50-423/85-09-19) - Protected Area Intrusion Detection Systems: The inspectors determined by a review of documented acceptance testing records and direct observations of operability tests of alarms requested by the inspector, that the intrusion detection systems were installed in conformance with the security plan and had been satisfactorily tested in accordance with the detection criteria contained in Appendix A, Tables 1 and 4, of USNRC Regulatory Guide 5.44, Perimeter Intrusion Alarm Systems, dated May 1980.
- h. (Closed) IFI (50-423/85-09-20) - Vital Area Intrusion Detection Systems: The inspectors determined, by review of licensee testing records and observations of tests during this inspection, that the vital area intrusion detection alarm systems is effective and installed in conformance with the security plan.
- i. (Closed) IFI (50-423/85-48-01) - Installation of Adequate Barrier Materials: The inspectors observed that the licensee was completing the installation of NRC-acceptable barrier materials in a building on which a barrier was previously found deficient. The USNRC Resident Inspector confirmed the completion of this installation on November 15, 1985.

4. MC 92706 - Independent Inspection

- a. After discussions with licensee representatives, meetings with the USNRC Resident Inspectors and observations of selected portions of the Unit No. 3 security program, the following items were found to be outstanding. The licensee stated that these items would be resolved before November 14, 1985.
  - (1) Lighting around a trailer in the PA;
  - (2) Barrier installations in vital areas and permanent fastening measures;
  - (3) Remedial security training and qualification for security personnel who did not adequately demonstrate their ability to perform assigned tasks.

- b. On November 15, 1985, the USNRC Senior Resident Inspector reported that the outstanding items, identified in Paragraph 4.a above, had been inspected and were found to satisfactorily meet NRC requirements. The licensee certified completion of these items by letter to the NRC Region I, dated November 21, 1985. These matters were administratively tracked by the inspector during this inspection as Inspector Follow-up Item (IFI) 85-64-01. This IFI (85-64-01) is closed.

5. MC 81501 - Personnel Training and Qualification - General Requirements

In order to determine the proficiency of security personnel in performing the tasks in which individuals were qualified and assigned, the inspectors requested the licensee to reexamine a statistically selected sample of security personnel in the tasks in which they were qualified. The sample size was selected by the inspectors to obtain results at the 95% confidence level.

The security personnel were divided into three groups; one was composed of armed and unarmed security officers, another of armed security officers only and the third of CAS/SAS operators. Three hundred and fifty-two examinations (representing 25 sets of individual tasks) were administered to 147 members of the security force. The number of examinations administered to each of the 147 ranged from 1 to 8 based on a random sampling for each task.

Based on the results of the written examinations, the inspectors determined that an acceptable level of security personnel were adequately trained to carry out their assigned duties and responsibilities. Remedial action and training were promptly initiated in cases where an individual failed an examination or failed to establish the ability to qualify for the assigned duty.

Four crucial task examinations for CAS/SAS operators resulted in a high failure rate which indicated problems in either the training or the content of the examination. The licensee was requested by the inspectors to review the training course and the examinations to ascertain the cause of the high failure rate and to correct the cause of the problem. The licensee committed to complete the necessary retraining and to requalify those personnel by November 14, 1985. The NRC Resident Inspector determined, on November 15, 1985, that the licensee had met that commitment.

The licensee also stated that the Millstone Nuclear Power Station, Unit Nos. 1, 2, and 3, Suitability, Training and Qualification Plan, will be revised and submitted to the NRC, under 10 CFR 50.54(p), to address correction of the problems identified with the CAS/SAS operators' training and qualification course.

The inspectors also confirmed, by a review of training records, that all security contractor training is reviewed and certified by licensee management representatives responsible for the security program.