

U.S. NUCLEAR REGULATORY COMMISSION  
REGION I

Report No. 50-354/85-25

Docket No. 50-354

License No. CPPR-120

Licensee: Public Service Electric and Gas Company  
Mail Code T154  
Newark, New Jersey 07101

Facility Name: Hope Creek Nuclear Generating Station

Inspection At: Hancocks Bridge, New Jersey

Inspection Conducted: May 14-17, 1985

Date of Last Physical Security Inspection: Initial review

Type of Inspection: Preoperational Security Program Review

Inspectors:

R. J. Bailey, Physical Security Inspector

8-21-85  
date

J. M. Dunlap, Physical Security Inspector

8-21-85  
date

Approved by:

R. R. Keimig, Chief, Safeguards Section

8-21-85  
date

Inspection Summary: Preoperational Security Program Review on May 14-17, 1985  
(Inspection Report No. 50-354/85-25)

Areas Reviewed: Status of: the security program implementation and the Physical Security Plan for the Protection of Special Nuclear Material of Low Strategic Significance; Physical Security Plan and Implementing Procedures (Site Familiarization); Management Effectiveness; Physical Barriers (Protected and Vital Areas) and Access Control (Vital Areas). The review involved 41 inspector hours onsite by two region-based inspectors.

Results: Development and implementation of the licensee's security program are progressing as scheduled.

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## DETAILS

### 1. Key Persons Contacted

J. Bavlish, Nuclear Security Manager  
J. Estes, Site Security Supervisor  
M. Ivanick, Nuclear Security Coordinator  
D. Renwick, Nuclear Security Coordinator

### 2. MC 30703 - Exit Interview

The inspector met with the licensee representatives listed in paragraph 1 at the conclusion of the review on May 17, 1985. At that time, the purpose and scope of the review were discussed and the findings presented. The licensee acknowledged the inspectors' observations and findings (identified in Attachment 1 and 2 to this report) and agreed to consider making modifications as appropriate.

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

### 3. MC 81018 - Security Plan and Implementing Procedures

The inspectors reviewed the Hope Creek Nuclear Generating Station Physical Security Plan, Revisions 1 through 3, dated August 30, 1984 and a proposed Revision 4. See Attachment 1 for the inspectors' findings. (Inspector Followup Item 85-25-01).

### 4. MC 81480 - Special Nuclear Material of Low Strategic Significance

The inspectors reviewed the Hope Creek Nuclear Generating Station Physical Security Plan for the Protection of Special Nuclear Material of Low Strategic Significance, dated May 11, 1984. The licensee is in the process of developing implementing procedures and post orders to support this plan. See Attachment 2 for the inspectors' findings. (Inspector Followup Item 85-25-02).

### 5. MC 81020 - Management Effectiveness

The inspector observed that the facility security program is developing as scheduled. The licensee assigned an experienced security supervisor and three nuclear security program coordinators to provide guidance and oversight. The licensee stated that they intend to add another senior security management person to the staff as the security workload increases.

The licensee currently has a training and qualification program for security personnel assigned to the Salem facility. This program will also be utilized, with appropriate modification, for the Hope Creek security personnel.

The Salem/Hope Creek security management staff played a major role in the selection and procurement of security facilities and equipment for Hope Creek.

6. MC 81052 - Physical Barriers (Protected Area)

The licensee stated that the Salem Nuclear Generating Station and Hope Creek Nuclear Generating Station will share a common protected area barrier. The licensee was advised that the expanded barrier (to encompass Hope Creek) will be inspected when it has been completed.

7. MC 81054 - Physical Barriers (Vital Areas)

(Inspector Followup Item 85-25-03).

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8. MC 81070 - Access Control (Personnel)

(Inspector Followup Item 85-25-04).

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## Attachment 1

### Hope Creek Physical Security Plan Review

The Hope Creek Nuclear Generating Station Physical Security Plan, Revision 3, dated August 30, 1984 and a proposed Revision 4 were reviewed by the inspectors. The observations and findings were discussed with licensee representatives who agreed to consider them in the development and implementation of the security program.

#### Paragraph

#### Observations/Findings

#### Paragraph

#### Finding:

Introduction  
Revision 4  
Reference 10 CFR 73.55(b)(3)

The security plan does not contain a commitment to establish written procedures which define the structure of the security organization and that detail the duties of guards, watchmen and other individuals responsible for security. Additionally, there is no provision for the written approval and revision of procedures by the individual with overall responsibility for the security program.

These commitments need to be included in the security plan.

#### Paragraph

#### Observation:

1.4.2  
Revision 4

During the discussions of this paragraph, the inspector stated that as a general rule, union halls could verify and attest to employment with different employers if sufficient evidence existed; however, union membership is not an acceptable substitute for employment

Paragraph

1.4.5  
Revisions 3&4  
Reference 73.55(g)(1)

Finding:

The licensee agreed to include provisions to describe how security equipment, including weapons, protective clothing, and vehicles are maintained in operable condition and how an inspection, test and maintenance program for such equipment will be established and implemented.

Paragraph

1.5  
Revisions 3&4  
Reference 73.55(h)(2)

Finding:

The licensee agreed to include provisions to conduct Local Law Enforcement familiarization and refresher training at least annually.

Paragraph

1.6.2 and 1.6.3  
Revisions 3&4  
Reference 73.55(d)(7)(iii)

Finding:

The licensee agreed to include provisions on how to prevent access by more than a single authorized person, at a time, (i.e., tailgating) into protected or vital areas, during non-emergency conditions.

Paragraph

3.1.1  
Revisions 3&4

Finding:

The licensee agreed to include a description in the Plan of those CCTV towers that are located within the inner isolation zone and within, in some instances, six inches of the protected area barrier.

Paragraph

3.1.3  
Revisions 3&4

Finding:

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Paragraph

3.1.4  
Revisions 3&4

Finding:

The licensee agreed to amend Figure 4i to reflect each fence zone location.

Paragraph

3.2.1  
Revisions 3&4

Finding:

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In addition, the paragraph needs clarification on other exceptions to leaving and entering both stations through the entry turnstiles.

Paragraph

3.2.1.5  
Revisions 3&4  
Reference 73.55(d)(1)

Finding:

The licensee agreed to include a statement indicating that a patdown search is performed on any person where cause to suspect exists.

Finding:

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The licensee agreed to adopt the same language that is in the Salem security plan.



Paragraph

3.2.1.7  
Revisions 3&4

Finding:

One portion of this paragraph states that upon termination of an emergency, the names of exiting emergency personnel will be recorded. Another part of the same paragraph says the names will not be recorded. The licensee agreed to reconcile this discrepancy.

Paragraph

5.4  
Revisions 3&4  
Reference 10 CFR 73.55(e)(2)

Finding:

The licensee agreed to include a requirement to have intrusion detection hardware be tamper-indicating.

Finding:

The licensee agreed to identify vital area doors that will be equipped with card readers.

Finding:

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Finding:

The licensee agreed to define the term "surveillance" of affected access portals, i.e. periodic patrols, posted SFM, etc.

Paragraph

13.2, Subparagraph (2)  
Revisions 3&4  
Reference 73.55(g)(4)

Finding:

The licensee agreed to expand the scope of the offsite independent audit to include a review and audit of security procedures and practices.

Attachment 2

Hope Creek  
Physical Security Plan Review  
Protection of Special Nuclear Material of  
Low Strategic Significance

The Hope Creek Nuclear Generating Station Physical Security Plan for the Protection of Special Nuclear Material of Low Strategic Significance was reviewed by the NRC Region I Physical Security Inspectors. The findings contained herein were discussed with and agreed to by the licensee. These findings will be included in the security plan before the receipt of new fuel on site.

Paragraph

Finding:

1.3.2 & .3  
Page 1-2

The licensee agreed to include a provision that states, "Access list for the fuel floor, CAA and overhead crane will be updated on a weekly basis or immediately upon receiving knowledge of termination of access to the fuel floor or CAA."

Paragraph

Finding:

2.2  
Page 2-1

The licensee agreed to include a provision in written security procedures to identify how and when the communication log will be completed.

Paragraph

Finding:

Section 4  
Page 4-1

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The licensee acknowledged this disparity and will forward a change to the Plan.