



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

April 7, 2004

Mr. Roy A. Anderson  
President and Chief Nuclear Officer  
PSEG Nuclear LLC - N09  
P. O. Box 236  
Hancocks Bridge, NJ 08038

SUBJECT: SALEM AND HOPE CREEK GENERATING STATIONS - NRC EVALUATED  
EMERGENCY PREPAREDNESS EXERCISE - INSPECTION REPORT NOS.  
05000272/2004008; 05000311/2004008; 05000354/2004006

Dear Mr. Anderson:

On March 18, 2004, the US Nuclear Regulatory Commission (NRC) completed an inspection at your Salem and Hope Creek Generation Stations. The enclosed inspection report documents the inspection findings, which were discussed on March 18, 2004, with Mr. D. Burgin and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

Based on the results of this inspection, no findings of significance were identified.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure and your response (if any) will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

**/RA/**

Richard J. Conte, Chief  
Operational Safety Branch  
Division of Reactor Safety

Docket Nos: 50-272, 50-311, 50-354  
License Nos: DPR-70, DPR-75, NPF-57

Enclosure: Inspection Report Nos. 05000272/2004008; 05000311/2004008;  
05000354/2004006

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Mr. Roy A. Anderson

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U. S. NUCLEAR REGULATORY COMMISSION REGION I

REGION I

Docket Nos: 50-272, 50-311, 50-354

License Nos: DPR-70, DPR-75, NPF-57

Report Nos: 05000272/2004008 & 05000311/2004008, 05000354/2004006

Licensee: PSEG Nuclear, LLC

Facility: Salem and Hope Creek Generating Stations

Location: Hancocks Bridge, New Jersey

Dates: March 16 - 18, 2004

Inspectors: D. Silk, Sr. Emergency Preparedness Inspector, Division of Reactor Safety (DRS), (Lead)  
N. McNamara, Emergency Preparedness Inspector, DRS  
J. Williams, Operations Engineer, DRS  
M Ferdas, Resident Inspector, Hope Creek, Division of Reactor Projects (DRP)

Observers: A. Passarelli, Reactor Engineer, DRP  
M. Snell, Reactor Engineer, DRP

Approved by: Richard J. Conte, Chief  
Operational Safety Branch  
Division of Reactor Safety

Enclosure

## SUMMARY OF FINDINGS

IR 05000272/2004008, 05000311/2004008, IR 05000354/2004006; 03/16/2004 - 03/18/2004; Salem and Hope Creek Generating Stations; Emergency Preparedness Exercise Report.

This inspection was conducted by region-based inspectors and the resident inspector. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 3, dated July 2000.

### **A. NRC-Identified Findings**

Cornerstone: Emergency Preparedness

No findings of significance were identified.

### **B. Licensee-Identified Findings**

None.

## Report Details

### 1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

#### 1EP1 Exercise Evaluation (71114.01)

##### a. Inspection Scope

Prior to the exercise, an in-office review was conducted of the exercise objectives and scenario submitted to the NRC to determine if the exercise would test major elements of the emergency plan as required by 10 CFR 50.47(b)(14). This inspection activity represents one sample on a biennial cycle.

The onsite inspection consisted of the following review and assessment:

- The adequacy of PSEG's performance in the biennial full-participation exercise regarding the implementation of the risk-significant planning standards (RSPS) in 10 CFR 50.47 (b) (4), (5), (9) & (10) which are emergency classification, offsite notification, radiological assessment, and protective action recommendations, respectively.
- The overall adequacy of PSEG's emergency response facilities with regard to NUREG-0696, "Functional Criteria for Emergency Response Facilities" and Emergency Plan commitments. The facilities assessed were the simulator, Technical Support Center (TSC), Operations Support Center (OSC), and Emergency Operations Facility (EOF).
- Other performance areas besides the RSPS, such as the emergency response organization's (ERO) recognition of abnormal plant conditions, command and control, intra- and inter-facility communications, prioritization of mitigation activities, utilization of repair and field monitoring teams, interface with offsite agencies, and the overall implementation of the emergency plan and its implementing procedures.
- Past performance issues from NRC inspection reports and PSEG's drill reports to determine effectiveness of corrective actions as demonstrated during this exercise to ensure compliance with 10CFR50.47(b)(14).
- The post-exercise critique to evaluate PSEG's self-assessment of its ERO performance during the exercise and to ensure compliance with 10CFR50 Appendix E.IV.F.2.g.

The inspectors reviewed various documents which are listed in Attachment 1 to this report.

##### b. Findings

Enclosure

No findings of significance were identified.

1EP4 Emergency Action Level (EAL) Revision Review (71114.04)

a. Inspection Scope

A regional in-office review was conducted of licensee-submitted revisions to the emergency plan, implementing procedures and EALs which were received by the NRC during the period of January - March 2004. A thorough review was conducted of plan aspects related to the RSPS, such as classifications, notifications and protective action recommendations. A cursory review was conducted for non-RSPS portions. These changes were reviewed against 10 CFR 50.47(b) and the requirements of Appendix E and they are subject to future inspections to ensure that the combination of these changes continue to meet NRC regulations. The inspection was conducted in accordance with NRC Inspection Procedure 71114, Attachment 4, and the applicable requirements in 10 CFR 50.54(q) were used as reference criteria. This inspection activity represents one sample on an annual basis.

b. Findings

No findings of significance were identified.

**4. OTHER ACTIVITIES (OA)**

4OA2 Identification and Resolution of Problems (71152)

a. Inspection Scope

The inspectors reviewed PSEG's critique findings as documented in recent exercise and drill reports. This review was conducted to determine if significant performance trends exist and to determine the effectiveness of licensee corrective actions based upon ERO performance during this exercise. The inspectors verified that issues identified during this exercise were entered into PSEG's corrective action program (See attachment listing Notifications). The inspection was conducted in accordance with NRC Inspection Procedure 71114, Attachment 01, 10 CFR 50.47(b)(14), and Appendix E IV.F.2.g were used as reference criteria

b. Findings and Observations

No findings of significance were identified.

40A6 Meetings, Including Exit

The inspectors presented the inspection results to Mr. D. Burgin, and other members of the licensee's staff at the conclusion of the inspection on March 18, 2004. The licensee had no objections to the NRC findings or observations. No proprietary information was provided to the inspectors during this inspection.



## **SUPPLEMENTAL INFORMATION**

### **KEY POINTS OF CONTACT**

#### Licensee Personnel

C. Banner, Emergency Preparedness Supervisor  
D. Burgin, Salem and Hope Creek Emergency Preparedness Manager  
F. Hughes, Emergency Preparedness Technical Analyst  
R. Reese, Emergency Preparedness Technical Analyst  
C Simmermon, Emergency Preparedness Technical Analyst

### **LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED**

#### Opened/Closed/Discussed

None

### **LIST OF DOCUMENTS REVIEWED**

#### **Section 1EP1: Exercise Evaluation**

Emergency Preparedness Graded Exercise Critique Report for March 19, 2002  
Emergency Preparedness Self Evaluated Exercise Critique Report for March 11, 2003  
Emergency Preparedness Training Drill Critique Report for May 28, 2003  
Emergency Preparedness Training Drill Critique Report for August 27, 2003

#### **Section 40A2: Identification and Resolution of Problems**

### **NOTIFICATIONS GENERATED**

80069165 - Simulator  
80069166 - Control Point  
80069167 - Operations Support Center  
80069168 - Technical Support Center  
80069169 - Emergency Operations Facility  
80069170 - Emergency News Center

### **LIST OF ACRONYMS**

CFR	Code of Federal Regulations
EAL	Emergency Action Level
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
OSC	Operations Support Center
PSEG	Public Service Electric and Gas
RSPS	Risk Significant Planning Standard
TSC	Technical Support Center