



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

June 29, 2010

Mr. Thomas P. Joyce
President and Chief Nuclear Officer
PSEG Nuclear LLC
P.O. Box 236
Hancock's Bridge, NJ 08038

SUBJECT: SALEM AND HOPE CREEK GENERATING STATIONS – NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT NOS.
05000272/2010502, 05000311/2010502 AND 05000354/2010502

Dear Mr. Joyce:

On May 24, 2010, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the May 18, 2010, evaluated emergency preparedness exercise at your Salem and Hope Creek Generating Stations. The enclosed inspection report documents the inspection results, which were discussed on May 24, 2010, with you 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 2.390 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 the 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,

A handwritten signature in black ink, appearing to read "Jm Trapp".

James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

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

Enclosure: NRC Inspection Reports 05000272/2010502, 05000311/2010502 and
05000354/2010502

cc: Distribution via ListServ

Mr. Thomas P. Joyce
President and Chief Nuclear Officer
PSEG Nuclear LLC – N09
P.O. Box 236
Hancock's Bridge, NJ 08038

SUBJECT: SALEM AND HOPE CREEK GENERATING STATIONS – NRC EVALUATED
EMERGENCY PREPAREDNESS EXERCISE – INSPECTION REPORT NOS.
05000272/2010502, 05000311/2010502 AND 05000354/2010502

Dear Mr. Joyce:

On May 24, 2010, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the May 18, 2010, evaluated emergency preparedness exercise at your Salem and Hope Creek Generating Stations. The enclosed inspection report documents the inspection results, which were discussed on May 24, 2010, with you 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 2.390 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 the 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/

James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket No. 50-272, 50-311, 50-354
License No. DPR-70, DRP-75, NPF-57

Enclosure: NRC Inspection Reports 05000272/2010502, 05000311/2010502 and
05000354/2010502

cc: Distribution via ListServ

SUNSI Review Complete: JMT (Reviewer's Initials)

DOCUMENT NAME: G:\DRS\Plant Support Branch 1\BARR\EP Ex10 SHC\Salem HC EX 2010 Report.doc

After declaring this document "An Official Agency Record" it will be released to the Public. **ADAMS ACC #ML101800140**

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure
"N" = No copy

OFFICE	RI/DRS	RI/DRP	RI/DRS				
NAME	SBarr/STB	ABurritt/ALB	JTrapp/JMT				
DATE	06/28/10	06/28/10	06/29/10				

OFFICIAL RECORD COPY

Distribution w/encl: (via e-mail)

S. Collins, RA (R1ORAMAIL Resource)
M. Dapas, DRA (R1ORAMAIL Resource)
D. Lew, DRP (R1DRPMAIL Resource)
J. Clifford, DRP (R1DRPMAIL Resource)
D. Roberts, DRS (R1DRSMail Resource)
P. Wilson, DRS (R1DRSMail Resource)
A. Burritt, DRP
L. Cline, DRP
A. Turilin, DRP
C. Douglas, DRP
B. Welling, DRP, Hope Creek SRI
A. Patel, DRP, Hope Creek RI
D. Schroeder, DRP, Salem SRI
D. Johnson, DRP, Acting Salem RI
K. McKenzie, DRP, OA
L. Trocine, RI OEDO
D. Bearde, DRS
R. Kahler, NSIR/EPD
S. LaVie, NSIR/EPD
RidsNrrPMSalem Resource
RidsNrrPMHopeCreek Resource
RidsNrrDorILp1-2 Resource
ROPreportsResource@nrc.gov

U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket No: 50-272, 50-311, 50-354

License No: DPR-70, DPR-75, NPF-57

Report No: 05000272/2010502, 05000311/2010502, 05000354/2010502

Licensee: PSEG Nuclear LLC

Facility: Salem and Hope Creek Generating Stations

Location: P.O. Box 236
Hancocks Bridge, NJ 08038

Dates: May 17 – 24, 2010

Inspectors: S. Barr, Sr. Emergency Preparedness Inspector, DRS, Region I (Lead)
B. Welling, Sr. Resident Inspector, Hope Creek, DRP, Region I
D. Johnson, Physical Security Inspector, DRS, Region I
S. LaVie, Sr. Emergency Preparedness Specialist, Headquarters
S. Rich, Reactor Engineer, DRP, Region I (Observer)

Approved By: James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000272/2010502, 05000311/2010502, 05000354/2010502; 05/17/2010 - 05/24/2010; Salem and Hope Creek Generating Stations; Exercise Evaluation; Emergency Action Level and Emergency Plan Changes; Emergency Preparedness Performance Indicators.

This was an announced inspection conducted by three region-based inspectors and one headquarters-based inspector. No findings of significance were identified. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 4, dated December 2006.

Cornerstone: Emergency Preparedness

A. NRC-Identified and Self-Revealing Findings

No findings were identified.

B. Licensee-Identified Findings

None.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

1EP1 Exercise Evaluation (71114.01 – 1 Sample)

a. Inspection Scope

Prior to the May 18, 2010, emergency preparedness exercise, the NRC inspectors conducted an in-office review of the exercise objectives and scenario, which PSEG had submitted to the NRC, to determine if the exercise would test major elements of the Salem and Hope Creek Emergency Plan as required by 10 CFR 50.47(b)(14). This overall exercise inspection activity represented the completion of one sample on a biennial cycle.

The exercise evaluation 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) described in 10 CFR 50.47(b)(4), (5), (9), and (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 Control Room Simulator, Technical Support Center (TSC), and the Emergency Operations Facility (EOF).
- A review of other performance areas, such as: the emergency response organization's (ERO's) recognition of abnormal plant conditions; command and control; intra- and inter-facility communications; prioritization of mitigating activities; utilization of repair and field monitoring teams; interface with offsite agencies; staffing and procedure adequacy; and the overall implementation of the emergency plan and its implementing procedures.
- A review of past performance issues from the last NRC exercise inspection report and PSEG's EP drill reports, to determine the effectiveness of licensee corrective actions as demonstrated during the May 18th exercise and to ensure compliance with 10 CFR 50.47(b)(14).
- The licensee's post-exercise critiques, to evaluate PSEG's self-assessment of its ERO performance during the May 18th exercise and to ensure compliance with 10 CFR 50, Appendix E, Section IV.F.2.g.

The inspectors reviewed the documents listed in the attachment to this report.

Enclosure

b. Findings

No findings of significance were identified.

1EP4 Emergency Action Level (EAL) and Emergency Plan Changes (71114.04 – 1 Sample)

a. Inspection Scope

Since the last NRC inspection of this program area in March 2009, PSEG had implemented various changes to the PSEG Nuclear LLC Emergency Plan. PSEG had determined that, in accordance with 10 CFR 50.54(q), any change made to the Plan, and its lower-tier implementing procedures, had not resulted in any decrease in effectiveness of the Plan, and that the revised Plan continued to meet the requirements of 10 CFR 50.47(b) and Appendix E to 10 CFR 50. The inspector reviewed all EAL changes and a sampling of Emergency Plan changes, including the changes to lower-tier emergency plan implementing procedures, to evaluate for any potential decreases in effectiveness of the Emergency Plan. However, this review was not documented in a NRC Safety Evaluation Report and does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety. The inspection was conducted in accordance with NRC Inspection Procedure 71114, Attachment 4. The requirements in 10 CFR 50.54(q) were used as reference criteria.

b. Findings

No findings were identified.

4. OTHER ACTIVITIES (OA)

4OA1 Performance Indicator (PI) Verification (71151 – 3 Samples)

a. Inspection Scope

The inspector reviewed raw data for the Salem and Hope Creek EP PIs which are: (1) Drill and Exercise Performance (DEP); (2) ERO Drill Participation; and (3) Alert and Notification System Reliability. The inspectors reviewed supporting documentation from drills and tests from the first calendar quarter 2009 through first calendar quarter 2010, to verify the accuracy of the reported data. The review of these PIs was conducted in accordance with NRC Inspection Procedure 71151, using the acceptance criteria documented in NEI 99-02, "Regulatory Assessment Performance Indicator Guidelines", Revision 6.

This inspection activity represented the completion of three samples on an annual cycle.

b. Findings

No findings were identified.

Enclosure

4OA6 Meetings, including Exit

On May 24, 2010, the inspectors presented the results of this inspection to Mr. T. Joyce, the Site Vice President, and other members of the Salem and Hope Creek staffs. No proprietary information was provided to the inspectors during this inspection.

Enclosure

ATTACHMENT

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

T. Joyce, President and Chief Nuclear Officer
C. Neely, Regulatory Affairs Director
D. Burgin, Emergency Preparedness Manager
C. Banner, Emergency Preparedness Program Coordinator

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

None

LIST OF DOCUMENTS REVIEWED

Section 1EP1: Exercise Evaluation

PSEG Nuclear LLC Emergency Plan (Revision 65)
Salem and Hope Creek Generating Station Emergency Plan Implementing Procedures
Salem and Hope Creek May 18, 2010, Emergency Exercise Scenario Package
Salem and Hope Creek Emergency Preparedness Drill Reports
Notifications written for the May 18, 2010, exercise:
20452276, 20456978, 20459287, 20463798, 20463896, 20463903, 20463955, 20463969,
20463970, 20463978, 20463987, 20463999, 20464002, 20464048, 20464121, 20464122,
20464222, 20464224, 20464232, 20464234, 80101648

Section 1EP4: Emergency Action Level and Emergency Plan Changes

PSEG Nuclear LLC Emergency Plan (Revision 65)
EP-AA-120, Emergency Plan Administration (Revision 1)
EP-AA-120-1001, 10CFR50.54(q) Change Evaluation (Revision 0)
EP-AA-120-1003, Emergency Preparedness Document Processing (Revision 0)
50.54(q) Screenings, April 2009 – May 2010, ID Numbers:
2009-01 through 2009-10, and 2010-01 through 2010-13

Section 40A1: Performance Indicator Verification

LS-AA-2001, Collecting and Reporting of NRC Performance Indicator Data (Revision 10)
EP-AA-125-1001, EP Performance Indicator Guidance (Revision 0)
DEP PI data, January 2009 – March 2010
ERO Drill Participation PI data, January 2009 – March 2010
ANS Reliability PI data, January 2009 – March 2010

LIST OF ACRONYMS

ANS	Alert Notification System
CGR	Code of Federal Regulations
DEP	Drill and Exercise Performance
EAL	Emergency Action Level
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
NEI	Nuclear Energy Institute
NRC	Nuclear Regulatory Commission
PI	Performance Indicator
PSEG	Public Service Electric and Gas
RSPS	Risk Significant Planning Standard
TSC	Technical Support Center