



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

July 20, 2007

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

SUBJECT: SALEM GENERATING STATION - NRC INSPECTION REPORT  
05000272/2007406 & 05000311/2007406

Dear Mr. Levis:

On June 27, 2007, the United States Nuclear Regulatory Commission completed an inspection at your Salem Generating Station. The enclosed inspection report documents the inspection results which were discussed on June 27, 2007, with Mr. Robert Gary and other members of your staff.

This inspection examined activities conducted under your licenses as they relate to safety, common defense and security, and compliance with NRC Orders related to the transportation of radioactive material and the handling of safeguards information. The inspection was based upon Temporary Instruction (TI) 2201/001 - Inspection of Additional Security Measures for Radioactive Material Quantities of Concern (RAMQC). The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

Based on the results of this inspection, no violations were identified. No reply to this letter is required.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, 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 for the NRC's document system (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

**Original signed by RLorson**  
Raymond Lorson, Chief  
Decommissioning Branch  
Division of Nuclear Materials Safety

Docket Nos. 05000272, 05000311  
License Nos. DPR-70, DPR-75

Enclosure: Inspection Report 05000272/2007406 & 05000311/2007406  
w/Attachment: Supplemental Information

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U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket Nos: 50-272 and 50-311

License Nos: DPR-70 and DPR-75

Report No: 05000272/2007406 & 05000311/2007406

Licensee: PSEG

Facility: Salem Generating Station

Location: Hancock Bridge, NJ 08038

Date: June 27, 2007

Inspectors: Suresh Chaudhary, Health Physicist  
John Nicholson, Health Physicist

Approved by: Raymond Lorson  
Branch Chief  
Decommissioning Branch  
Division of Nuclear Materials Safety

## SUMMARY OF FINDINGS

IR 05000272/2007406 & 05000311/2007406; Salem Generating Station; Inspection of Additional Security Measures for Radioactive Material Quantities of Concern (RAMQC)

The report covered an announced one-day inspection related to safety, common defense and security, and compliance with NRC Orders related to the transportation of radioactive material and the handling of safeguards information. The inspection was conducted by two regional inspectors and was based upon Temporary Instruction (TI) 2201/001, "Inspection of Additional Security Measures for Radioactive Material Quantities of Concern (RAMQC)." The inspectors determined that the licensee had developed an adequate program for the transportation of radioactive material and the handling of safeguards information.

### A. NRC Identified and Self-Revealing Findings

Cornerstone: Physical Security

No findings of significance were identified.

### B. Licensee-Identified Violations

None

## REPORT DETAILS

### 40A5 Other Activities

#### .1 Temporary Instruction 2201/001 - Inspection of Additional Security Measures for Radioactive Material Quantities of Concern (RAMQC) - 1 sample

##### a. Inspection Scope

The inspectors reviewed the RAMQC program to assess the licensee's implementation of the additional security measures (ASM) imposed by NRC Order EA-05-007, "Imposing Additional Security Measures on the Transportation of RAMQC," issued July 19, 2005. The inspectors also reviewed the implementation of the Safeguards Information-Modified Handling (SGI-M) protection requirements specified in NRC Order EA-04-0191, "Imposing Requirements for the Protection of Certain Safeguards Information," issued November 5, 2004.

The inspectors reviewed each ASM and SGI-M requirement identified in the orders referenced above. The inspectors interviewed personnel and reviewed program documents and implementing procedures. The inspectors reviewed notifications 20328320 and 20328351 related to development of the site implementing procedures.

##### b. Findings and Observations

No findings of significance were identified. The inspectors concluded that PSEG personnel developed an adequate RAMQC program.

### 40A6 Meetings, Including Exit

#### Exit Meeting Summary

On June 27, 2007, the NRC inspectors presented the inspection results to Mr. Gary and staff members. The inspectors confirmed that proprietary and safeguards information was not included in this inspection report.

Attachment: Supplemental Information

**SUPPLEMENTAL INFORMATION**

**KEY POINTS OF CONTACT**

PSEG Salem

J. Frick, Radiation Protection Supervisor  
R. Proctor, Security

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

OPEN Temporary Instruction (TI) 2201/001 - Inspection of Additional Security Measures for Radioactive Material Quantities of Concern (RAMQC)

CLOSED Temporary Instruction (TI) 2201/001 - Inspection of Additional Security Measures for Radioactive Material Quantities of Concern (RAMQC)

**LIST OF DOCUMENTS REVIEWED**

**Section 40A5 Other Activities**

Procedures

RP-AA-600, Rev.10, Radioactive Material/Waste Shipments  
RP-AA-600-1001, Rev.3, Exclusive Use and Emergency Response Information  
RP-AA-600-1002, Rev.2, Highway Route Controlled Quantity/Advance Notification for Radioactive/Waste Shipments  
RP-AA-600-1006, Rev.3, Notification Requirements for Radioactive Waste Shipments Greater Than the Radioactive Material Quantities of Concern (RAMQC)  
SY-AA-101-106, Rev.7, Control & Classification of Safeguards Material  
SY-SH-101-106-1001, Rev.1, Protection of Nuclear Safeguards Material  
SY-AA-101-106-1001, Safeguards Training  
SY-AA-101-134, Rev.2, Hazardous Material Transportation Security Plan  
Notification 20328320-RP-AA-600-1006 Revision Request  
Notification 20328351-SY-AA-101-134-1001 Revision Request

**LIST OF ACRONYMS**

ASM Additional Security Measures  
CR Condition Report  
RAMQC Radioactive Material Quantities of Concern  
SGI-M Safeguards Information-Modified Handling  
TI Temporary Instruction