



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

March 14, 2007

Docket Nos. 05000352
05000353

License Nos. NPF-39
NPF-85

Mr. Christopher M. Crane
President and CNO
Exelon Nuclear
Exelon Generation Company, LLC
200 Exelon Way
Kennett Square, PA 19348

SUBJECT: LIMERICK GENERATING STATION - NRC INSPECTION REPORT
05000352/2007404 AND 05000353/2007404

Dear Mr. Crane:

On February 12, 2007, the United States Nuclear Regulatory Commission completed an inspection at your Limerick Generating Station Units 1 and 2. This inspection examined activities conducted under your license as they relate to common defense and security, and to compliance with the Commission's Security Order. The inspection was based upon Temporary Instruction (TI) 2201/001 - Inspection of Additional Security Measures for Radioactive Material Quantities of Concern (RAMQC). The enclosed inspection report documents the inspection results which were discussed on February 12, 2007, with Mr. Roy Harding and other members of your staff.

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 of 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,

/RA/

Samuel Hansell, Branch Chief
Decommissioning Branch
Division of Nuclear Materials Safety

Enclosure: Inspection Report 05000352/2007404 and 05000353/2007404
w/Attachment: Supplemental Information

cc w/encl:

Chief Operating Officer, Exelon Generation Company, LLC

Site Vice President - Limerick Generating Station

Plant Manager, Limerick Generating Station

Regulatory Assurance Manager - Limerick

Senior Vice President - Nuclear Services

Senior Vice President - Mid-Atlantic Operations

Senior Vice President - Operations Support

Vice President - Licensing and Regulatory Affairs

Director - Licensing and Regulatory Affairs, Exelon Generation Company, LLC

Manager, Licensing - Limerick Generating Station

Vice President, General Counsel and Secretary

Associate General Counsel, Exelon Generation Company

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Director, Bureau of Radiation Protection, PA Department of Environmental Protection

J. Johnsrud, National Energy Committee, Sierra Club

Chairman, Board of Supervisors of Limerick Township

J. Bradley Fewell, Assistant General Counsel, Exelon Nuclear

C. M. Crane

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U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket Nos: 50-352; 50-353

License Nos: NPF-39; NPF-85

Report No: 05000352/2007404 and 05000353/2007404

Licensee: Exelon Generating Company, LLC

Facility: Limerick Generating Station, Units 1 & 2

Location: Sanatoga, PA 19464

Date: February 12, 2007

Inspectors: L. Kauffman, Health Physicist
K. Modes, Health Physicist
M. Robert, Senior Health Physicist

Approved by: Samuel Hansell
Branch Chief
Decommissioning Branch
Division of Nuclear Materials Safety

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REPORT DETAILS

40A5 Other Activities

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

a. Inspection Scope (TI 2201/001)

The inspectors reviewed the RAMQC program to determine the licensee's ability to implement the additional security measures (ASM) imposed by U.S. NRC Order EA-05-007, "Imposing Additional Security Measures on the Transportation of RAMQC," issued July 19, 2005. The inspectors also reviewed the program to verify that 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, have been successfully incorporated into Exelon's information protection strategy.

On February 12, 2007, the inspectors covered each ASM and SGI-M requirement. The inspectors reviewed licensee verifications; background investigations; preplanning and coordination; notifications; communications; drivers and accompanying individuals; procedures; and training and control of information. The inspectors conducted the inspection through interviews with responsible personnel and a review of programmatic and implementing procedures, including associated records and documentation.

The inspectors completed one of the required one sample.

b. Findings and Observations

No findings of significance were identified.

c. Conclusions

The inspectors concluded that Exelon personnel maintained an effective RAMQC program. Exelon personnel effectively implemented the ASMs imposed by U.S. NRC Order EA-05-007, "Imposing Additional Security Measures on the Transportation of RAMQC," issued July 19, 2005. The inspectors also concluded that Exelon personnel successfully incorporated the information protection strategy per 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.

40A6 Meetings, Including Exit

Exit Meeting Summary

On February 12, 2007, the NRC inspectors presented the inspection results to Mr. Roy Harding and specific staff members. Although proprietary and safeguards information

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was reviewed, the NRC inspectors confirmed that proprietary and safeguards information was not included in this inspection report.

Attachment: Supplemental Information

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SUPPLEMENTAL INFORMATION

LIST OF PERSONS CONTACTED

- * Mark Crim, Operations Services Shift Manager
- * Roy Harding, Regulatory Affairs Engineer
- * Harry Miller, Radiation Protection Technical Supervisor
- Bradley Whitman, Security Supervisor

* Denotes the individual who attended the exit briefing on February 12, 2007.

LIST OF ITEMS OPENED AND CLOSED

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

LIST OF DOCUMENTS REVIEWED

Procedures

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

RP-AA-600, "Radioactive Material/Waste Shipments"

RP-AA-600-1006, "Notification Requirements for Radioactive/Waste Shipments Greater than the Radioactive Material Quantities of Concern (RAMQC)"

LIST OF ACRONYMS USED

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