



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

August 10, 2007

Mr. Kevin Bronson  
Site Vice President  
Entergy Nuclear Operations, Inc.  
Pilgrim Nuclear Power Station  
600 Rocky Hill Road  
Plymouth, MA 02360-5508

SUBJECT: PILGRIM NUCLEAR POWER STATION - NRC INSPECTION REPORT  
05000293/2007403

Dear Mr. Bronson:

On July 10, 2007, the United States Nuclear Regulatory Commission completed an inspection at your Pilgrim Nuclear Power Station. The enclosed inspection report documents the inspection results which were discussed on July 10, 2007, with Robert G. Smith and others 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 inspector 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,

/RA/

Raymond Lorson, Chief  
Decommissioning Branch  
Division of Nuclear Materials Safety

Docket No. 05000293  
License No. DPR-35

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Division of Nuclear Materials Safety

Docket No. 05000293  
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Enclosure:

Inspection Report 05000293/2007403

w/Attachment: Supplemental Information

cc w/encl:

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F. Marcussen, Manager, Security, Entergy Nuclear Operations, Inc.

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S. Lousteau, Treasury Department, Entergy Services, Inc.

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The Honorable Therese Murray

The Honorable Vincent deMacedo

Chairman, Plymouth Board of Selectmen

Chairman, Duxbury Board of Selectmen

Chairman, Nuclear Matters Committee

Plymouth Civil Defense Director

D. O'Connor, Massachusetts Secretary of Energy Resources

J. Miller, Senior Issues Manager

Office of the Commissioner, Massachusetts Department of Environmental Protection

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Commonwealth of Massachusetts, Secretary of Public Safety

U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket No: 50-293  
License No: DPR-35  
Report No: 05000293/2007403  
Licensee: Entergy Nuclear Operations, Inc.  
Facility: Pilgrim Nuclear Power Station  
Location: Plymouth, MA 02360-5508  
Date: July 10, 2007  
Inspector: Suresh Chaudhary, Health Physicist  
Approved by: Raymond Lorson  
Branch Chief  
Decommissioning Branch  
Division of Nuclear Materials Safety

Enclosure

## SUMMARY OF FINDINGS

IR 05000293/2007403; Pilgrim Nuclear Power 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 a regional inspector and was based upon Temporary Instruction (TI) 2201/001, "Inspection of Additional Security Measures for Radioactive Material Quantities of Concern (RAMQC)." The inspector 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

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## REPORT DETAILS

### 4OA5 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 inspector interviewed personnel and reviewed program documents and implementing procedures.

##### b. Findings and Observations

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

### 4OA6 Meetings, Including Exit

#### Exit Meeting Summary

On July 10, 2007, the NRC inspector presented the inspection results to Robert Smith. The inspector confirmed that proprietary and safeguards information were not included in this inspection report.

Attachment: Supplemental Information

Enclosure

## **SUPPLEMENTAL INFORMATION**

### **KEY POINTS OF CONTACT**

#### Entergy Pilgrim Nuclear Power Station

M. Gastic, Licensing  
D. Burk, Security Operations Supervisor  
B. McDonald, Radiation Waste Department  
D. Sukanek, Entergy Supervisor  
J. Giarrusso, Massachusetts Emergency Management Agency, State Liason Officer

### **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

EN-RW-102, Radioactive Shipping Procedure  
EN-RW-106, Integrated Transportation Security Plan  
ENN-NS-204, Rev. 1, Protection of Unclassified Safeguards Information

### **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