



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

September 21, 2007

Mr. James A. Spina, Vice President
Calvert Cliffs Nuclear Power Plant, Inc.
Calvert Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-4702

SUBJECT: CALVERT CLIFFS NUCLEAR PLANT- NRC INSPECTION REPORT
05000317/2007404 AND 05000318/2007404

Dear Mr. Spina:

On August 28, 2007, the United States Nuclear Regulatory Commission completed an inspection at your Calvert Cliffs Nuclear Power Plant. The enclosed inspection report documents the inspection results which were discussed on August 28, 2007, with Mr. K. Gould 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 Nos. 05000317 and 05000318
License Nos. DPR-53 and DPR-69

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/RA/

Raymond Lorson, Chief
Decommissioning Branch
Division of Nuclear Materials Safety

Docket Nos. 05000317 and 05000318

License Nos. DPR-53 and DPR-69

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Enclosure:

Inspection Report 05000317/2007404 and 05000318/2007404
w/Attachment: Supplemental Information

cc w/encl:

M. J. Wallace, President, Constellation Generation

J. M. Heffley, Senior Vice President and Chief Nuclear Officer

President, Calvert County Board of Commissioners

C. W. Fleming, Senior Counsel, Constellation Generation Group, LLC

J. Gaines, Director, Licensing

Director, Nuclear Regulatory Matters

R. McLean, Manager, Nuclear Programs

K. Burger, Esquire, Maryland People's Counsel

G. Aburn, SLO (2)

U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket Nos: 05000317 and 05000318

License Nos: DPR-53 and DPR-69

Report Nos: 05000317/2007404 and 05000318/2007404

Licensee: Constellation Energy Group

Facility: Calvert Cliffs Nuclear Power Plant

Location: Lusby, MD 20657-4702

Date: August 28, 2007

Inspector: Laurie Kauffman, Health Physicist

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

Enclosure

SUMMARY OF FINDINGS

IR 05000317/2007404 and 05000318/2007404; Calvert Cliffs Nuclear Plant; 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

Enclosure

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-04-0190, "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 Constellation personnel developed an adequate RAMQC program.

4OA6 Meetings, Including Exit

Exit Meeting Summary

On August 28, 2007, the NRC inspector presented the inspection results to Mr. K. Gould. The inspector confirmed that proprietary and safeguards information were not included in this inspection report.

Attachment: Supplemental Information

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Constellation Calvert Cliffs Nuclear Power Plant

Mr. K. Gould, Radiation Protection Manager
 M. Yox, Principal Engineering Analyst
 K. Burroughs, Supervisor Chemistry Support
 J. Lenhart, Supervisor for Radiation Protection Operations
 B. Reid, Security Program Analyst

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 4OA5 Other Activities

Procedures

SE-2-101, Revision 5, Control of Safeguards Information
 CP-616, Revision 0, Shipment of Radioactive Materials Definitions
 CP-617, Revision 0, Shipment of Radioactive Materials General Requirements
 CP-619, Revision 0, Radioactive Material Quantification, Identification and Waste Characterization

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