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UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
MARQUIS ONE TOWER
245 PEACHTREE CENTER AVE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

April 14, 2010

Mr. David A. Baxter
Site Vice President
Duke Energy Carolinas, LLC
Oconee Nuclear Station
7800 Rochester Highway
Seneca, SC 29672

SUBJECT: OCONEE NUCLEAR STATION - NRC MATERIAL CONTROL AND
ACCOUNTING INSPECTION REPORT 05000269/2010404, 05000270/2010404,
05000287/2010404

Dear Mr. Baxter:

On March 31, 2009, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the control and accounting program of Special Nuclear Material (SNM) at your Oconee Nuclear Station Units 1, 2, and 3. The enclosed inspection report documents the inspection results, which were discussed on April 7, 2010, with members of your staff.

The inspection examined activities conducted under your licenses as they relate to security and compliance with the Commission's rules and regulations and with the conditions of your licenses. 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 will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of 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). However, because of the security-related concerns contained in the enclosure, and in accordance with 10 CFR 2.390, a copy of this letter's enclosure will not be available for public inspection.

In accordance with 10 CFR 2.390(b)(1)(ii), the NRC is waiving the affidavit requirements for your response, if any. This practice will ensure that your response will not be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system, ADAMS. If Safeguards Information is necessary to provide an acceptable response, please provide the level of protection described in 10 CFR 73.21. Otherwise, mark your entire response "Security-Related Information - Withhold Under 10 CFR 2.390" and follow the instructions for withholding in 10 CFR 2.390(b)(1).

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Should you have any questions concerning this letter, please contact us.

Sincerely,

/RA/

Jonathan H. Bartley, Chief
Reactor Projects Branch 1
Division of Reactor Projects

Docket Nos.: 50-269, 50-270, 50-287

License Nos.: DPR-38, DPR-47, DPR-55

Enclosure: NRC Material Control and Accounting Inspection Report 05000269/2010404,
05000270/2010404, 05000287/2010404 (OUO Security Related Information)
w/Attachment: Supplemental Information

cc w/encl: (See page 3)

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Should you have any questions concerning this letter, please contact us.

Sincerely,

/RA/

Jonathan H. Bartley, Chief
Reactor Projects Branch 1
Division of Reactor Projects

Docket Nos.: 50-269, 50-270, 50-287, 72-04

License Nos.: DPR-38, DPR-47, DPR-55

Enclosure: NRC Material Control and Accounting Inspection Report 05000269/2010404,
05000270/2010404, 05000287/2010404 (OUO Security Related Information)
w/Attachment: Supplemental Information

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cc w/o encl:

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Letter to David A. Baxter from Jonathan H. Bartley dated April 14, 2010

SUBJECT: OCONEE NUCLEAR STATION - NRC MATERIAL CONTROL AND
ACCOUNTING INSPECTION REPORT 05000269/2010404, 05000270/2010404,
05000287/2010404

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