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**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION IV
1600 E LAMAR BLVD
ARLINGTON, TX 76011-4511

April 18, 2014

Jeremy Browning, Site Vice President
Entergy Operations, Inc.
Arkansas Nuclear One
1448 SR 333
Russellville, AR 72802-0967

SUBJECT: ARKANSAS NUCLEAR ONE – NRC MATERIAL CONTROL AND
ACCOUNTING PROGRAM INSPECTION REPORT 05000313/2014405 AND
05000368/2014405

Dear Mr. Browning:

On March 20, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed a security baseline inspection at the Arkansas Nuclear One facility. The inspection covered a key attribute of the Security Cornerstone of the NRC's Reactor Oversight Process, Material Control and Accounting of Special Nuclear Material. The enclosed inspection report documents the inspection results.

The inspection examined activities conducted under your license as they relate to security and compliance with the Commission's rules and regulations and with the conditions of your license. The inspector reviewed selected procedures and records, observed activities, and interviewed personnel.

Based on the results of this inspection, no findings 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 component of NRC's document system, (ADAMS). ADAMS is accessible from the NRC Web site 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.

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J. Browning

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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).

Sincerely,

/RA/

Heather J. Gepford, Chief
Plant Support Branch 2
Division of Reactor Safety

Docket Nos.: 50-313; 50-368
License Nos.: DPR-51; NPF-6

Nonpublic Enclosure:
NRC Inspection Report 05000313/2014405; 05000368/2014405
w/Attachment: Supplemental Information

cc w/enclosure:
Bryan Lovin
Manager, Security
Entergy Operations, Inc.
1448 S.R. 333
Russellville, AR 72802

cc w/o enclosure: Electronic Distribution for Arkansas Nuclear One

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