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Stephenie L. Pyle  
Manager, Regulatory Assurance  
Arkansas Nuclear One

OCAN051504

May 28, 2015

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Revision 18 of the ANO Security Plan  
Arkansas Nuclear One – Units 1 and 2  
Docket Nos. 50-313 and 50-368  
License Nos. DPR-51 and NPF-6

Dear Sir or Madam:

In accordance with 10 CFR 50.4, enclosed is Revision 18 to the Arkansas Nuclear One (ANO) Security Plan. These changes have been evaluated in accordance with 10 CFR 50.54(p). It was determined that these changes do not decrease the safeguards effectiveness of the ANO Security Plan; therefore, prior NRC approval is not required. The enclosed material describes current security measures and is considered to be safeguards information as defined by 10 CFR 73.21. The enclosed material should be handled accordingly. The specific changes in this revision are described in the attachment to this letter.

There are no new commitments contained in this submittal. Should you have any questions concerning this submittal, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to be "SLP/nbm", written over a horizontal line.

SLP/nbm

Attachment: Revision 18 Description of Changes

Enclosure: ANO Security Plan, Revision 18

Safeguards Information determination made by:

Name/Title: Natalie Mosher, Licensing Specialist

Organization: ANO Regulatory Assurance

Basis: Security Plan Details

Signature: Natalie Mosher

Date: May/28/2015

**WARNING: Violation of Section 147 of the Atomic Energy Act "Safeguards Information" is Subject to Civil and Criminal Penalties**

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KRR

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cc: Mr. Marc L. Dapas  
Regional Administrator  
U. S. Nuclear Regulatory Commission, Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

NRC Senior Resident Inspector  
Arkansas Nuclear One  
P.O. Box 310  
London, AR 72847

U. S. Nuclear Regulatory Commission  
Attn: Ms. Andrea E. George  
MS O-8B1  
One White Flint North  
11555 Rockville Pike  
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