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10CFR72.44(d)(3)

OCAN020501

February 25, 2005

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-001

Subject: Annual Radioactive Effluent Release Report for 2004  
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:

Arkansas Nuclear One, Units 1 & 2 (ANO-1 and ANO-2) Technical Specifications (TSs) 5.6.3 and 6.6.3, respectively, require the submittal of an Annual Radioactive Effluent Release Report. 10CFR72.44(d)(3) also requires the annual submittal of a summary of effluents from the independent spent fuel storage facility. The purpose of this letter is to fulfill these reporting requirements for the 2004 calendar year at ANO. Liquid and gaseous release data show that the dose from both ANO-1 and ANO-2 was considerably below the Offsite Dose Calculation Manual (ODCM) limits, while no effluents were attributed to the spent fuel stored in the independent spent fuel storage installation. This data reveals that the radioactive effluents had an overall minimal dose contribution to the surrounding environment. Pursuant to ANO-1 TS 5.5.1 and ANO-2 TS 6.5.1, the ODCM is also submitted as an attachment to the Annual Radioactive Effluent Release Report. Should you have any questions regarding this report, please contact Dee Hawkins at (479) 858-5589.

There are no new commitments contained in this submittal.

Sincerely,

A handwritten signature in black ink, appearing to read "Dale James".

Dale James  
Manager, Licensing

DEJ/dh  
Attachments

IE48  
A009

cc: Dr. Bruce S. Mallett  
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U. S. Nuclear Regulatory Commission  
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U. S. Nuclear Regulatory Commission  
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