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Thomas A. Marlow
Director
Nuclear Safety Assurance

OCAN050607

March 30, 2006

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

SUBJECT: 10 CFR 50.59 Summary Report and Commitment Change Summary Report
Arkansas Nuclear One, Unit 1 and Unit 2
Docket No. 50-313 and 50-368
License No. DPR-51 and NPF-6

Dear Sir or Madam:

In accordance with 10 CFR 50.59(d)(2), enclosed is the Arkansas Nuclear One – Unit 1 (ANO-1) 10 CFR 50.59 summary report for the time period ending May 30, 2006. This report contains a brief description of changes in procedures, the facility as described in the ANO-1 Safety Analysis Report (SAR), changes in the ANO-1 Technical Requirements Manual (TRM), and changes in the ANO-1 Technical Specification (TS) Bases. The report also contains a description of tests and experiments conducted, if any, which were not described in the SAR, and other changes to the SAR for which a safety evaluation was conducted. A copy of each safety evaluation, both ANO-1 specific and those evaluations common between ANO-1 and ANO - Unit 2 (ANO-2), is included on the enclosed CD-ROM.

Included on the enclosed CD-ROM is the Commitment Change Summary Report for ANO-1 and ANO-2. These changes are submitted in accordance with the guidance provided in NEI 99-04, *Guidelines for Managing NRC Commitment Changes*. The report lists each commitment changed since submittal of the previous report and provides a basis for each change.

If you have any questions or require additional information, please contact David Bice at 479-858-5338.

Sincerely,

A handwritten signature in cursive script that reads "Thomas A. Marlow".

Thomas A. Marlow

TAM/dbb

IE47

Enclosures (on single CD-ROM):

1. 10 CFR 50.59 Summary Report
2. ANO-1 and ANO-2 Commitment Change Summary Report

cc: Dr. Bruce S. Mallett
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

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

U. S. Nuclear Regulatory Commission
Attn: Mr. Drew G. Holland
MS O-7D1
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Mr. Bernard R. Bevill
Director Division of Radiation
Control and Emergency Management
Arkansas Department of Health and Human Services
P. O. Box 1437
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Little Rock, AR 72203-1437

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Regional Administrator
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Mr. Bernard R. Bevill
Director Division of Radiation
Control and Emergency Management
Arkansas Department of Health
4815 West Markham Street
Little Rock, AR 72205

Enclosure 1

To

OCAN050607

10 CFR 50.59 Summary Report

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<u>50.59 #</u>	<u>50.59 Summary</u>
04-006	Engineering Request ER-ANO-2004-0011-000, "BWST (T-3) Silica Cleaning with Reverse Osmosis Unit"
04-021	Engineering Request ER-ANO-2002-1078-006, "Original OTSG Storage Facility"
04-025	Procedure Revision OP-1409.638, "ANO-1 Intake Structure Natural Convection Cooling Test"
04-029	Engineering Request ER-ANO-2002-1078-014, "ANO-1 SG/RVCH Replacement – 2 Inch & Under Piping Evaluation"
05-001	Engineering Request ER-ANO-2003-0063-000, "Addition of Zinc Injection System"
05-003	Temporary Alteration TAP 03-1-009, "Main Transformer 'C' Deluge Piping Removal"
05-005	Procedure Revision OP-1103.004, "Soluble Poison Concentration Control"
05-009	Engineering Request ER-ANO-2002-1078-021, "Reactor Building Temporary Power"
05-010	Engineering Request ER-ANO-2002-1078-007, "Reactor Building Construction Opening"
05-011	Engineering Request ER-ANO-2002-1078-011, "Rigging & Handling Inside the Reactor Building"
05-014	Engineering Request ER-ANO-2002-0366-000, "ANO-1 CRDM and Service Structure HVAC Ductwork Modifications"
05-015	Engineering Request ER-ANO-2002-0638-000, "ANO-1 Reactor Vessel Closure Head (RVCH) Replacement"
05-016	Engineering Request ER-ANO-2002-1078-015, "OTSG Removal & ROTSG Preparation and Installation"
05-017	Engineering Request ER-ANO-2002-1078-018, "SG/RVCH Replacement - Interference Removal and Replacement"
05-018	Engineering Request ER-ANO-2002-0639-000, "ANO-1 Service Structure Replacement"
05-020	Engineering Request ER-ANO-2000-2294-000, "E-4A/B & E-5A/B Feedwater Heater Replacement"
05-022	Engineering Request ER-ANO-2002-0640-000, "Polar Crane Up-Rates to 190 Tons"
05-023	Calculation CALC-ANO-ER-05-030, "Part 50 Analysis of an MPC-24 Dry Fuel Storage Cask for ANO-1"
05-025	Engineering Request ER-ANO-2002-1078-016, "SG/RVCH Replacement - Insulation"
05-026	Engineering Request ER-ANO-2002-1078-018, "SG/RVCH Replacement – Interference Removal and Replacement"
05-028	Engineering Request ER-ANO-2005-0481-000, "Removal of ECP Spillway Tarp"
05-029	Procedure Revision OP-1015.001, "RCP Seal Injection Control Valve Controller"
05-030	Engineering Request ER-ANO-2002-1381-000, "Replacement OTSG Project"
05-031	Engineering Request ER-ANO-2005-0566-002, "Main Chiller Cooling Water"

(continued)

50.59 #**50.59 Summary**

- 05-032 Engineering Request ER-ANO-2004-0020-000, "CRDM Modifications"
- 05-033 Engineering Request ER-ANO-2005-0491-000, "ANO-1 Cycle 20 Reload Report and COLR"
- 05-034 Engineering Request ER-ANO-2002-0640-000, "ANO-1 Polar Crane Uprate"
- 06-001 Engineering Request ER-ANO-2004-0944-000, "Evaluation of Elevated Station Battery Specific Gravity"
- 06-002 Procedure Revision OP 1000.152, "Compensatory Actions for Reactor Building Cable Spreading Area Fire Detection System"

Enclosure 2

To

OCAN050607

ANO-1 and ANO-2 Commitment Change Summary Report