



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-4005**

March 3, 2004

Jeffrey S. Forbes, Site Vice President  
Arkansas Nuclear One  
Entergy Operations, Inc.  
1448 S.R. 333  
Russellville, AR 72801-0967

**SUBJECT: ANNUAL ASSESSMENT - ARKANSAS NUCLEAR ONE  
(REPORT 05000313/2004001; 05000368/2004001)**

Dear Mr. Forbes:

On February 5, 2004, the NRC staff completed its end-of-cycle plant performance assessment of Arkansas Nuclear One. The end-of-cycle review for Arkansas Nuclear One involved the participation of all technical divisions in evaluating performance indicators for the most recent quarter and inspection results for the period from January 1 through December 31, 2003. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility so that you have the opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

Overall, Arkansas Nuclear One operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green).

Additionally, the staff has identified a substantive crosscutting issue in the area of problem identification and resolution. This substantive crosscutting issue has been identified based on a number of corrective action findings. Throughout the period, inspectors identified several Green findings which had crosscutting aspects of problem identification and resolution. These findings were indicative of implementation problems within the specific areas of identifying problems and entering them in the corrective action program (CAP), prioritizing and evaluating conditions in the CAP, and implementing effective corrective actions. These problems were identified across cornerstones and with multiple groups of plant personnel. At your request, a public meeting was held in the Region IV office on February 12, 2004, to discuss your actions to address the causes and corrective actions you have taken or planned in response to the CAP programmatic and implementation problems. The NRC will monitor your efforts to address this substantive crosscutting issue during our implementation of the baseline inspection program.

As you are aware, the NRC has issued several Orders and threat advisories to enhance security capabilities and improve guard force readiness since the terrorist attacks on September 11, 2001. We have conducted inspections to review your implementation of these requirements and have monitored your actions in response to changing threat conditions. For calendar year 2004, we plan to continue inspections of Order implementation combined with newly developed portions of the security baseline inspection program. The enclosed inspection plan details the inspections scheduled through September 30, 2005. In addition to the baseline inspections, NRC will also be conducting inspections related to Inspection Procedure 71002, "License Renewal Inspection," and Temporary Instructions 2515/152, "Reactor Pressure Vessel Lower Head Penetration Nozzles"; 2515/153, "Reactor Containment Sump Blockage (NRC Bulletin 2003-01)"; and 2515/154, "Spent Fuel Material Control and Accounting at Nuclear Power Plants." The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 12 months of the inspection plan are tentative and may be revised at the midcycle review meeting.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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 Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 817/860-8166 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

***/RA/ by P. H. Harrell Acting for***

Jeffrey A. Clark, Acting Chief  
Project Branch D  
Division of Reactor Projects

Dockets: 50-313  
50-368  
Licenses: DPR-51  
NPF-6

Enclosure:  
Arkansas Nuclear One Inspection/Activity Plan

Entergy Operations, Inc.

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cc w/enclosure:

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Entergy Operations, Inc.

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The Honorable Jerry Don Barrett  
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Federal Emergency Management Agency  
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Entergy Operations, Inc.

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The Honorable Jim Ed Gibson  
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Branch Chief, DRP/D (**JAC**)

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Staff Chief, DRP/TSS (**PHH**)

RITS Coordinator (**NBH**)

**RidsNrrDipmlipb**

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DRS Branch Chiefs (**LJS, TWP, ATG, CSM**)

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T. W. Alexion, NRR Project Manager (**TWA**)

ADAMS:  Yes  No Initials: \_\_ath\_\_

Publicly Available  Non-Publicly Available  Sensitive  Non-Sensitive

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RIV:AC:DRP/D	D:DRS	D:DRP	For signature	
JAClark;df	DDChamberlain	ATHowell	JAClark	
<b>NSalgado for</b>	<b>/RA/</b>	<b>/RA/</b>	<b>PHHarrell for</b>	
2/24/04	2/26/04	3/2/04	3/2/04	

OFFICIAL RECORD COPY

T=Telephone

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**Arkansas Nuclear One**  
**Inspection / Activity Plan**  
**03/01/2004 - 10/01/2005**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>LIC RNWL</b>	<b>- LIC RNWL SCOPING &amp; PLANNING INSPECTION</b>	<b>5</b>			
2	IP 71002	License Renewal Inspection		03/01/2004	03/05/2004	License Renewal Ins
	<b>ALARA1</b>	<b>- ALARA PLANNING AND CONTROLS</b>	<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		03/15/2004	03/19/2004	Baseline Inspections
	<b>TI 152</b>	<b>- TI 152 RPV LOWER HEAD PENETRATION NOZZLE</b>	<b>1</b>			
1	IP 2515/152	Reactor Pressure Vessel Lower Head Penetration Nozzles (NRC Bulletin 2003-02)		03/25/2004	06/23/2004	Safety Issues
	<b>TI 153</b>	<b>- TI 153 REACTOR CONTAINMENT SUMP BLOCKAGE</b>	<b>1</b>			
1,2	IP 2515/153	Reactor Containment Sump Blockage (NRC Bulletin 2003-01)		03/25/2004	06/23/2004	Safety Issues
	<b>EB-08P</b>	<b>- ISI UNIT 1</b>	<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/26/2004	04/30/2004	Baseline Inspections
1	IP 7111108P	Inservice Inspection Activities - PWR		05/03/2004	05/07/2004	Baseline Inspections
	<b>ACCESSPI</b>	<b>- ACRSA/PIV</b>	<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		05/03/2004	05/07/2004	Baseline Inspections
	<b>EB-17B</b>	<b>- PERMANENT PLANT MODIFICATIONS</b>	<b>2</b>			
1,2	IP 7111117B	Permanent Plant Modifications		05/24/2004	05/28/2004	Baseline Inspections
	<b>LIC RNWL</b>	<b>- AGING MAMAGEMENT INSPECTION</b>	<b>5</b>			
2	IP 71002	License Renewal Inspection		05/24/2004	05/28/2004	License Renewal Ins
2	IP 71002	License Renewal Inspection		06/07/2004	06/11/2004	License Renewal Ins
	<b>RPTEAM</b>	<b>- RAD SAFETY TEAM</b>	<b>4</b>			
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		06/14/2004	06/18/2004	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/14/2004	06/18/2004	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		06/14/2004	06/18/2004	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program		06/14/2004	06/18/2004	Baseline Inspections
	<b>OB-RQ</b>	<b>- OB-REQUALIFICATION</b>	<b>3</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		07/19/2004	07/23/2004	Baseline Inspections
	<b>ALARA2</b>	<b>- ALARA PLANNING AND CONTROLS</b>	<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		07/19/2004	07/23/2004	Baseline Inspections
	<b>PSB-S1</b>	<b>- AA-AC-FFD-PI</b>	<b>2</b>			
1,2	IP 7113001	Access Authorization		08/09/2004	08/13/2004	Baseline Inspections
1,2	IP 7113002	Access Control		08/09/2004	08/13/2004	Baseline Inspections
1,2	IP 7113008	Fitness For Duty Program		08/09/2004	08/13/2004	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/09/2004	08/13/2004	Baseline Inspections
	<b>PEB-12B</b>	<b>- EVAL OF MAINTENANCE EFFECTIVENESS</b>	<b>1</b>			
1,2	IP 7111112B	Maintenance Effectiveness		08/16/2004	08/20/2004	Baseline Inspections

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.



**Arkansas Nuclear One**  
**Inspection / Activity Plan**  
**03/01/2004 - 10/01/2005**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>PEB-05T</b>	<b>- TRIENNIAL FIRE PROTECTION INSPECTION</b>	<b>3</b>			
1,2	IP 7111105T	Fire Protection		09/27/2004	10/01/2004	Baseline Inspections
1,2	IP 7111105T	Fire Protection		10/25/2004	10/29/2004	Baseline Inspections
	<b>OB-EP1</b>	<b>- EP EXERCISE</b>	<b>3</b>			
1,2	IP 7111401	Exercise Evaluation		10/18/2004	10/22/2004	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/18/2004	10/22/2004	Baseline Inspections
1,2	IP 711151	Performance Indicator Verification		10/18/2004	10/22/2004	Baseline Inspections
	<b>OB-INIT</b>	<b>- INITIAL EXAM</b>	<b>3</b>			
2	X02278	ANO UNIT 2 (11/04) INITIAL EXAM		01/03/2005	01/07/2005	Not Applicable
2	X02278	ANO UNIT 2 (11/04) INITIAL EXAM		01/24/2005	01/28/2005	Not Applicable
	<b>PEB-52</b>	<b>- ANO PIR INSPECTION</b>	<b>2</b>			
1,2	IP 71152B	Identification and Resolution of Problems		01/24/2005	01/28/2005	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		02/07/2005	02/11/2005	Baseline Inspections
	<b>EB08P</b>	<b>- ISI U2</b>	<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		03/21/2005	03/25/2005	Baseline Inspections
2	IP 7111108P	Inservice Inspection Activities - PWR		04/04/2005	04/08/2005	Baseline Inspections
	<b>ACRSA</b>	<b>- ACCESS CONTROL TO RAD SIGNIFICANT AREAS</b>	<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/28/2005	04/01/2005	Baseline Inspections
	<b>EB21/02</b>	<b>- SSD&amp;PC/50.59</b>	<b>6</b>			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		06/06/2005	06/10/2005	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		06/06/2005	06/10/2005	Baseline Inspections
	<b>ALARA3</b>	<b>- ALARA PLANNING AND CONTROLS</b>	<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		06/20/2005	06/24/2005	Baseline Inspections
	<b>OB-EP2</b>	<b>- EMERG PREPAREDNESS PROGRAM INSPECTION</b>	<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		06/27/2005	07/01/2005	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		06/27/2005	07/01/2005	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/27/2005	07/01/2005	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		06/27/2005	07/01/2005	Baseline Inspections
1,2	IP 711151	Performance Indicator Verification		06/27/2005	07/01/2005	Baseline Inspections
	<b>OB-RQ</b>	<b>- REQUAL INSPECTION</b>	<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		07/11/2005	07/15/2005	Baseline Inspections
	<b>OB-INIT</b>	<b>- INITIAL EXAM</b>	<b>4</b>			
1	X02287	ANO UNIT 1 (06/05) - INITIAL EXAM		08/22/2005	08/26/2005	Not Applicable
1	X02287	ANO UNIT 1 (06/05) - INITIAL EXAM		09/12/2005	09/16/2005	Not Applicable

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Arkansas Nuclear One  
Inspection / Activity Plan  
03/01/2004 - 10/01/2005

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End		Inspection Type
<b>PEB-07B - HX PERFORMANCE</b>						1
1, 2	IP 7111107B	Heat Sink Performance		08/29/2005	09/02/2005	Baseline Inspections

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