



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

August 30, 2004

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

**SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - ARKANSAS  
NUCLEAR ONE**

Dear Mr. Forbes:

On August 4, 2004, the NRC staff completed its midcycle plant performance assessment of Arkansas Nuclear One. The midcycle review for Arkansas Nuclear One involved the participation of all technical divisions in evaluating performance for the first half of the calendar year 2004 assessment cycle. The process included a review of performance indicators (PIs) for the most recent quarter and inspection results over the previous 12 months. 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 will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

This performance review and inspection plan does not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix based on a finding with low to moderate safety significance (White) that was issued on April 7, 2004, for failure to comply with the requirements pertaining to fire protection safe shutdown capability. A supplemental inspection to review the root cause, extent of condition, extent of cause, and corrective actions for this finding will be performed in September and October 2004. This supplemental inspection will be conducted in conjunction with the scheduled triennial baseline inspection of your fire protection program.

In our annual assessment letter dated March 3, 2004, we advised you of a substantive crosscutting issue in the area of problem identification and resolution. This substantive crosscutting issue was identified on the basis of a number of corrective action findings. Throughout the 2003 assessment cycle, 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 had taken or planned in response to the CAP programmatic and implementation problems. Additionally, your letter dated July 28, 2004, detailed several corrective actions which have been implemented to improve performance. Through the conduct of baseline inspections, we have noted that these actions have resulted in improvements in the ANO staff's effectiveness in identifying and entering problems into the CAP. However, during the past 6 months we have identified isolated examples involving the adequacy and timeliness of corrective actions. As a result, the NRC plans to continue to focus on and assess the effectiveness of your actions in response to this substantive crosscutting issue, particularly within the areas of prioritization and implementation effectiveness, during the conduct of baseline and supplemental inspections.

The enclosed inspection plan details the inspections, except those related to physical protection, scheduled through March 31, 2006. Included in this plan are inspections associated with Unit 2 license renewal activities and Unit 1 reactor vessel head and steam generator replacements. 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 because of their ongoing and continuous nature. The inspections in the last 12 months of the inspection plan are tentative and may be revised at the end-of-cycle 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 the inspection plan, we will contact you to discuss the change as soon as possible. Please contact Mr. Troy W. Pruett, Chief, Project Branch D, at 817/860-8173 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Arthur T. Howell III, Director  
Division of Reactor Projects

Docket: 50-313  
50-368  
License: DPR-51  
NPF-6

Entergy Operations, Inc.

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Enclosure:  
Arkansas Nuclear One Inspection/Activity Plan

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ADAMS:  Yes     No    Initials: ATH

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RIV:SPE:DRP/D	C:DRP/D	D:DRS	D:DRP	DRA
CJPaulk	TWPruett	DDChamberlain	ATHowell	TPGwynn
/RA/	/RA/	VLOrdaz for	/RA/	/RA/
8/12/04	8/12/04	8/25/04	8/28/04	8/27/04

RA				
BSMallett				
/RA/				
8/27/04				

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**Arkansas Nuclear One**  
**Inspection / Activity Plan**  
**08/01/2004 - 03/31/2006**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>PEB-12B - EVAL OF MAINTENANCE EFFECTIVENESS</b>		<b>1</b>			
1,2	IP 711112B	Maintenance Effectiveness		08/16/2004	08/20/2004	Baseline Inspections
	<b>PEB-05T - 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>PEB95001 - 95001 INSPECTION - FIRE PROTECTION</b>		<b>3</b>			
1,2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		09/27/2004	10/01/2004	Supplemental Progra
1,2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		10/25/2004	10/29/2004	Supplemental Progra
	<b>ALARA2 - ALARA PLANNING AND CONTROLS</b>		<b>1</b>			
1,2	IP 7112102	ALARA Planning and Controls		10/04/2004	10/08/2004	Baseline Inspections
	<b>OB-EP1 - 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 71151	Performance Indicator Verification		10/18/2004	10/22/2004	Baseline Inspections
	<b>LIC RNWL - AGING MAMAGEMENT INSPECTION</b>		<b>3</b>			
2	IP 71002	License Renewal Inspection		11/01/2004	11/05/2004	License Renewal Insj
2	IP 71002	License Renewal Inspection		11/15/2004	11/19/2004	License Renewal Insj
	<b>OB-INIT - 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 - ANO PIR INSPECTION</b>		<b>3</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 - ISI U2 - VESSEL VOLUMETRICS (TI-150/152)</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>EB21/02 - SSD&amp;PC/50.59</b>		<b>5</b>			
1,2	IP 7111121	Safety System Design and Performance Capability		05/23/2005	05/27/2005	Baseline Inspections
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 - 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 - 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

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  
08/01/2004 - 03/31/2006**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>OB-EP2</b>	<b>- EMERG PREPAREDNESS PROGRAM INSPECTION</b>	<b>1</b>			
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 71151	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
	<b>PEB-07B</b>	<b>- HX PERFORMANCE</b>	<b>1</b>			
1,2	IP 7111107B	Heat Sink Performance		08/29/2005	09/02/2005	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		10/31/2005	11/03/2005	Baseline Inspections
	<b>EB08P</b>	<b>- ISI U1</b>	<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		11/14/2005	11/18/2005	Baseline Inspections
1	IP 7111108P	Inservice Inspection Activities - PWR		11/28/2005	12/02/2005	Baseline Inspections