



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

March 2, 2006

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

SUBJECT: ANNUAL ASSESSMENT LETTER - ARKANSAS NUCLEAR ONE (NRC  
INSPECTION REPORT 05000313/2006001 AND 05000368/2006001)

Dear Mr. Forbes:

On February 8, 2006, the NRC staff completed its performance review of Arkansas Nuclear One. Our technical staff reviewed performance indicators for the most recent quarter and inspection results for the period from January 1 through December 31, 2005. 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.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Official Use Only - Security Related Information" will include the physical protection review and resultant inspection plan.

Overall, Arkansas Nuclear One, Units 1 and 2, operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter 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). Therefore we intend to conduct reactor oversight process (ROP) baseline inspections at your facility.

While plant performance for the most recent quarter is within the Licensee Response column of the Action Matrix, Arkansas Nuclear One, Unit 1, was in the Regulatory Response Column of the Action Matrix at the beginning of this assessment period based on one finding of low to moderate safety significance (White) in the Mitigating Systems Cornerstone. This finding involved the unacceptable use of manual actions in lieu of providing protection for cables associated with equipment required for achieving and maintaining hot shutdown conditions. The NRC conducted a supplemental inspection in accordance with Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area." The NRC concluded that the root cause, extent of condition and cause reviews, as well as corrective actions were appropriate. As a result, the finding was closed in NRC Inspection Report 05000313/2005-011;05000368/2005-011, dated March 31, 2005.

In our midcycle assessment letter dated August 30, 2005, we advised you of a substantive crosscutting issue in the area of Problem Identification and Resolution involving weaknesses in prioritization and correction of known conditions adverse to quality. In response to this, your staff conducted a review of the corrective action system to identify any documented conditions adverse to quality that were not being adequately addressed in a timely manner. No issues were identified. Our inspection of your review, in conjunction with our review of your actions to identify, effectively assess, and correct instances of ineffective or untimely corrective actions indicated that you had satisfactorily addressed this issue. This review was documented in NRC Inspection Report 05000313/2005005 and 05000368/2005005. No additional inspection findings related to problem identification were identified during the last six months of the assessment period. On the basis of your actions to address this issue, we consider the substantive crosscutting issue satisfactorily resolved. We will continue to monitor your progress in this area as part of our baseline inspection program.

The enclosed inspection plan details the inspection, except those related to physical protection, scheduled through September 30, 2007. In addition to the baseline inspections, NRC will also be conducting inspections on Unit 2 in accordance with Inspection Procedure 50003, "Pressurizer Replacement Inspection." The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 9 months of the inspection plan are tentative and may be revised at the midcycle review.

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 Mr. David Graves at 817/860-8147 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Arthur T. Howell III, Director  
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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 D. Holland, NRR Project Manager for ANO (**DGH1**)  
**RidsNrrDirslpab**

SUNSI Review Completed:   dng   ADAMS:  Yes     No    Initials:   dng    
 Publicly Available     Non-Publicly Available     Sensitive     Non-Sensitive

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RIV:C:DRP/E	D:DRS	D:DRP		
DNGraves;mjs	DDChamberlain	ATHowell III		
<b>VGGaddy for</b>	<b>RJCaniano for</b>	<b>/RA/</b>		
2/23/06	2/23/06	2/24/06		

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**Arkansas Nuclear One**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>RP-ORS</b>	<b>- OCCUPATIONAL RADIATION SAFETY</b>	<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		04/03/2006	04/07/2006	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		04/03/2006	04/07/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		04/03/2006	04/07/2006	Baseline Inspections
	<b>EP1</b>	<b>- EMERG PREPAREDNESS EXERCISE</b>	<b>4</b>			
1,2	IP 7111401	Exercise Evaluation		04/24/2006	04/28/2006	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/24/2006	04/28/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		04/24/2006	04/28/2006	Baseline Inspections
	<b>EB1-2/17</b>	<b>- PERMANENT MODS/50.59</b>	<b>3</b>			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		05/22/2006	05/26/2006	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		05/22/2006	05/26/2006	Baseline Inspections
	<b>RP TEAM</b>	<b>- RP SAFETY TEAM INSPECTION</b>	<b>5</b>			
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		06/05/2006	06/09/2006	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/05/2006	06/09/2006	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		06/05/2006	06/09/2006	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		06/05/2006	06/09/2006	Baseline Inspections
	<b>OB-INIT</b>	<b>- ANO2 INITIAL EXAM</b>	<b>4</b>			
2	X02294	ANO UNIT 2 INITIAL EXAM (07/06)		06/26/2006	06/30/2006	Not Applicable
2	X02294	ANO UNIT 2 INITIAL EXAM (07/06)		07/17/2006	07/28/2006	Not Applicable
	<b>OB-RQ</b>	<b>- ANO2 REQUALIFICATION INSP</b>	<b>2</b>			
2	IP 7111111B	Licensed Operator Requalification Program		07/10/2006	07/14/2006	Baseline Inspections
	<b>EB2-12B</b>	<b>- MAINTENANCE RULE BIENNIAL</b>	<b>1</b>			
1,2	IP 7111112B	Maintenance Effectiveness		08/14/2006	08/18/2006	Baseline Inspections
	<b>RP-ORS</b>	<b>- OCCUPATIONAL RADIATION SAFETY</b>	<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		09/25/2006	09/29/2006	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		09/25/2006	09/29/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		09/25/2006	09/29/2006	Baseline Inspections
	<b>EB1-08P</b>	<b>- ISI U2</b>	<b>2</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/02/2006	10/13/2006	Baseline Inspections
	<b>BRQ SIM</b>	<b>- BIENNIAL RQ SIM ONLY</b>	<b>1</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		01/08/2007	01/12/2007	Baseline Inspections
	<b>EXAM</b>	<b>- INITIAL EXAM</b>	<b>3</b>			
1	X02322	ANO UNIT 1 INITIAL EXAM (2/26/07)		01/02/2007	01/05/2007	Not Applicable
1	X02322	ANO UNIT 1 INITIAL EXAM (2/26/07)		02/05/2007	02/16/2007	Not Applicable

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**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>			<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		01/08/2007	01/12/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		01/08/2007	01/12/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		01/08/2007	01/12/2007	Baseline Inspections
<b>EB2-52B - ANO PIR INSPECTION</b>			<b>5</b>			
1,2	IP 71152B	Identification and Resolution of Problems		01/22/2007	01/26/2007	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		02/05/2007	02/09/2007	Baseline Inspections
<b>EB2-07B - HEAT SINK INSPECTION</b>			<b>2</b>			
1,2	IP 7111107B	Heat Sink Performance		02/12/2007	02/16/2007	Baseline Inspections
<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>			<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		04/09/2007	04/13/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		04/09/2007	04/13/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		04/09/2007	04/13/2007	Baseline Inspections
<b>EP2 - EP PROGRAM</b>			<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		06/18/2007	06/22/2007	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		06/18/2007	06/22/2007	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/18/2007	06/22/2007	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		06/18/2007	06/22/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		06/18/2007	06/22/2007	Baseline Inspections
<b>RP-ORS - OCCUPATIONAL RADIATION SAFETY</b>			<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/13/2007	08/17/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		08/13/2007	08/17/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/13/2007	08/17/2007	Baseline Inspections
<b>EB2-05T - TRIENNIAL-FP</b>			<b>5</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		09/24/2007	09/28/2007	Baseline Inspections