



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
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ARLINGTON, TEXAS 76011-4005

August 31, 2006

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 9, 2006, the NRC staff completed its performance review of Arkansas Nuclear One for the first half of the calendar year 2006 assessment cycle. Our technical staff reviewed 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.

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.

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 PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. In addition we also plan on conducting several other inspections which include Temporary Instructions and Inspection Procedure 50003, "Pressurizer Replacement Inspection."

The enclosed inspection plan details the inspections, except those related to physical protection, scheduled through March 31, 2008. The inspection plan is provided to minimize the resource impact on your staff and to allow for the early 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 end-of-cycle review meeting.

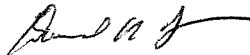
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In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component 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 me at (817) 860-8147 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



David N. Graves, Chief
Project Branch E
Division of Reactor Projects

Dockets: 50-313
50-368

Licenses: DPR-51
NPF-6

Enclosure:
Arkansas Nuclear One Inspection/Activity Plan

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

R:_ REACTORS\EOC and Midcycle\Midcycle Assessment Letters\2006\ANO

RIV: C:DRP/E	D:DRS	D:DRP	C:DRP/ signature	
DNGraves;mjs	DDChambellain	ATHHowell	DNGraves	
/RA/				
8/17/06	8/17/06	8/22/06	8/31/06	

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Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
2	OB-INIT - ANO2 INITIAL EXAM X0294 ANO UNIT 2 INITIAL EXAM (07/06)		4	07/17/2006	07/28/2006	Not Applicable
2	OB-RQ - ANO2 QUALIFICATION INSP IP 7111111B Licensed Operator Requalification Program		2	07/10/2006	07/14/2006	Baseline Inspections
1, 2	EB2-12T - MAINTENANCE RULE TRIENNIAL IP 7111112B Maintenance Effectiveness		3	08/28/2006	09/01/2006	Baseline Inspections
1, 2	TI-167 - SHUTDOWN RISK TI IP 2515/167 Assurance of Industry Implementation of Key Shutdown Voluntary Initiatives		2	08/21/2006	09/23/2006	Safety Issues
2	ANO2-PZR - ANO2 PRESSURIZER REPLACEMENT IP 50003 Pressurizer Replacement Inspection		1	09/16/2006	10/21/2006	Safety Issues
2	EB1-08P - ISI U2 & TI 166 IP 2515/166 Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02]		1	10/02/2006	10/13/2006	Safety Issues
2	IP 7111108P Inservice Inspection Activities - PWR		1	10/02/2006	10/13/2006	Baseline Inspections
1, 2	RP-ORS - OCCUPATIONAL RADIATION SAFETY IP 7112101 Access Control to Radiologically Significant Areas		4	10/02/2006	10/06/2006	Baseline Inspections
1, 2	IP 7112102 ALARA Planning and Controls		1	10/02/2006	10/06/2006	Baseline Inspections
1, 2	IP 71151 Performance Indicator Verification		2	10/02/2006	10/06/2006	Baseline Inspections
1, 2	TI-169 - MSPI TEMPORARY INSTRUCTION IP 2515/169 Mitigating Systems Performance Index Verification		2	10/30/2006	11/10/2006	Safety Issues
1	EXAM - INITIAL EXAM X0292 ANO UNIT 1 INITIAL EXAM (2/26/07)		3	01/02/2007	01/05/2007	Not Applicable
1	X0232 ANO UNIT 1 INITIAL EXAM (2/26/07)		3	02/05/2007	02/16/2007	Not Applicable
1, 2	RP-ORS - OCCUPATIONAL RADIATION SAFETY IP 7112101 Access Control to Radiologically Significant Areas		1	01/08/2007	01/12/2007	Baseline Inspections
1, 2	IP 7112102 ALARA Planning and Controls		1	01/08/2007	01/12/2007	Baseline Inspections
1, 2	IP 71151 Performance Indicator Verification		1	01/08/2007	01/12/2007	Baseline Inspections
1, 2	EB2-52B - ANO PIR INSPECTION IP 71152B Identification and Resolution of Problems		5	01/22/2007	01/26/2007	Baseline Inspections
1, 2	IP 71152B Identification and Resolution of Problems		5	02/05/2007	02/09/2007	Baseline Inspections
1, 2	EB2-07B - HEAT SINK INSPECTION IP 7111107B Heat Sink Performance		2	02/12/2007	02/16/2007	Baseline Inspections
1, 2	RP-ORS - OCCUPATIONAL RADIATION SAFETY IP 7112101 Access Control to Radiologically Significant Areas		1	04/09/2007	04/13/2007	Baseline Inspections
1, 2	IP 7112102 ALARA Planning and Controls		1	04/09/2007	04/13/2007	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
 07/01/2006 - 03/31/2008

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Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	RP-ORS - OCCUPATIONAL RADIATION SAFETY		1			
1, 2	IP 71151	Performance Indicator Verification		04/09/2007	04/13/2007	Baseline Inspections
	EP2 - EP PROGRAM		1			
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
	RP-ORS - OCCUPATIONAL RADIATION SAFETY		1			
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
	EB2-05T - TRIENNIAL FIRE PROTECTION		7			
1, 2	IP 7111105T	Fire Protection [Triennial]		09/24/2007	09/28/2007	Baseline Inspections
1, 2	IP 7111105T	Fire Protection [Triennial]		10/15/2007	10/19/2007	Baseline Inspections
	EB1-21 - CDB		6			
1, 2	IP 7111121	Component Design Bases Inspection		10/01/2007	10/05/2007	Baseline Inspections
1, 2	IP 7111121	Component Design Bases Inspection		10/22/2007	11/02/2007	Baseline Inspections
	EXAM - INITIAL EXAM		3			
1,	X02359	ANO UNIT 1 - INITIAL EXAM (01/08)		11/19/2007	11/23/2007	Not Applicable
1	X02359	ANO UNIT 1 - INITIAL EXAM (01/08)		12/10/2007	12/21/2007	Not Applicable

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