



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

August 27, 2003

Craig G. Anderson, Vice President,  
Operations  
Arkansas Nuclear One  
Entergy Operations, Inc.  
1448 S.R. 333  
Russellville, Arkansas 72801-0967

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

Dear Mr. Anderson:

On August 7, 2003, 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 indicators (PIs) for the most recent quarter and inspection results for the first half of the current assessment cycle, January 1 through June 30, 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 will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

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 only baseline inspections at your facility through September 30, 2004, based on your safety performance. However, the significance of three findings is still under review as part of the Significance Determination Process: (1) a fire protection program finding related to the use of manual actions to achieve safe shutdown; (2) a repeat reactor coolant system boundary leak; and (3) failure to establish an adequate means for notification of members of the populace in the emergency planning zone.

The enclosed inspection plan details the inspections scheduled through September 30, 2004. In addition to the baseline inspection at your facility, we also plan to conduct Temporary Instruction 2515/150, Revision 1, "Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02)," on Unit 2 in coordination with your fall 2003 outage. 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 6 months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.790 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 817/860-8137 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Linda Smith, 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

cc:  
Mr. W. R. "Bud" Harper  
Arkansas Department of Emergency Management  
P.O. Box 758  
Conway, AR 72033

Mr. Dewey Traylor  
Emergency Service Coordinator  
Pope County  
No. 4 Emergency Lane  
Russellville, AR 72801

Mr. Charlie Smith  
Emergency Service Coordinator  
Yell County Courthouse  
Union Street  
Dardanelle, AR 72834

Mr. Fred Taylor  
Emergency Service Coordinator  
Johnson County Office of Emergency Services  
P.O. Box 546  
Clarksville, AR 72830

Entergy Operations, Inc.

-3-

Mr. Don Fairbanks  
Emergency Service Coordinator  
Logan County Office of Emergency Services  
Logan County Courthouse  
Paris, AR 72855

The Honorable Steve Pfeifer  
Mayor of Danville  
P.O. Box 69  
Danville, AR 72833

The Honorable Bill Elsken  
Mayor of Paris  
P.O. Box 271  
Paris, AR 72855

The Honorable Billy Helms  
Mayor of Clarksville  
205 Walnut Street  
Clarksville, AR 72830-3005

The Honorable Carolyn McGee  
Mayor of Dardanelle  
P.O. Box 360  
Dardanelle, AR 72834

The Honorable Johnny Waldo  
Mayor of Dover  
P.O. Box 258  
Dover, AR 72837

The Honorable Jerry Don Barrett  
Mayor of Atkins  
P.O. Box 128  
Atkins, AR 72823

The Honorable Raye Turner  
Mayor of Russellville  
P.O. Box 428  
Russellville, AR 72811

The Honorable Edwin Price  
Mayor of London  
P.O. Box 130  
London, AR 72847

Entergy Operations, Inc.

-4-

The Honorable Stewart Nelson  
Mayor of Morrilton  
City Hall  
P.O. Box 583  
Morrilton, AR 72110

The Honorable Jimmy L. Witt  
Mayor of Yell County  
Danville Courthouse  
P.O. Box 219  
Danville, AR 72833

The Honorable Jimmy Hart  
Judge of Conway County  
117 South Moose, Room 203  
Morrilton, AR 72110

The Honorable Mike Jacobs  
Judge of Johnson County  
P.O. Box 278  
Clarksville, AR 72830

The Honorable Edward Holt  
Judge of Logan County  
Room 22  
Paris, AR 72855

Federal Emergency Management Agency  
Mr. Ron Castleman, Regional Director  
Region VI, Federal Center  
800 North Loop 288  
Denton, TX 76201-3698

The Honorable Jim Ed Gibson  
Judge of Pope County  
Courthouse  
100 West Main Street  
Russellville, AR 72801

Craig G. Anderson, Vice President,  
Operations  
Arkansas Nuclear One  
Entergy Operations, Inc.  
1448 S.R. 333  
Russellville, Arkansas 72801-0967

Entergy Operations, Inc.

-5-

Senior Vice President  
& Chief Operating Officer  
Entergy Operations, Inc.  
P.O. Box 31995  
Jackson, Mississippi 39286-1995

Vice President  
Operations Support  
Entergy Operations, Inc.  
P.O. Box 31995  
Jackson, Mississippi 39286-1995

Manager, Washington Nuclear Operations  
ABB Combustion Engineering Nuclear  
Power  
12300 Twinbrook Parkway, Suite 330  
Rockville, Maryland 20852

County Judge of Pope County  
Pope County Courthouse  
100 West Main Street  
Russellville, Arkansas 72801

Winston & Strawn  
1400 L Street, N.W.  
Washington, DC 20005-3502

Bernard Bevill  
Radiation Control Team Leader  
Division of Radiation Control and  
Emergency Management  
Arkansas Department of Health  
4815 West Markham Street, Mail Slot 30  
Little Rock, Arkansas 72205-3867

Mike Schoppman  
Framatome ANP, Inc.  
Suite 705  
1911 North Fort Myer Drive  
Rosslyn, Virginia 22209

**Arkansas Nuclear One**  
**Inspection / Activity Plan**  
**08/01/2003 - 09/30/2004**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>EMB - SSD&amp;PCI</b>		<b>5</b>			
1, 2	IP 7111121	Safety System Design and Performance Capability		07/28/2003	08/01/2003	Baseline Inspections
	<b>EMB-DS - CIP INSP PROCEDURE PILOT (71111.DS)</b>		<b>6</b>			
1, 2	IP 71111.DS	Safety System Design and Performance Capability		07/28/2003	08/01/2003	Baseline Inspections
	<b>OB-IN - INITIAL EXAM</b>		<b>5</b>			
1	X02257	ANO UNIT 1 - INITIAL EXAM (01/04)		01/12/2004	01/16/2004	Not Applicable
	<b>PSBS1-DS - SECURITY BASELINE INSPECTIONS</b>		<b>2</b>			
1, 2	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorizat		08/26/2003	08/29/2003	Baseline Inspections
1, 2	IP 7113003	Response to Contingency Events (Protective Strategy and Implementation of Protective Str		08/26/2003	08/29/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		08/26/2003	08/29/2003	Baseline Inspections
	<b>EMB - ISI &amp; SG INSPECTIONS U2</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		09/29/2003	10/03/2003	Baseline Inspections
2	IP 7111108P	Inservice Inspection Activities - PWR		10/06/2003	10/10/2003	Baseline Inspections
	<b>TI-150 - PWR RPV HEAD CRACKING - BULLETIN 2002-02</b>		<b>1</b>			
2	IP 2515/142	Draindown During Shutdown and Common-Mode Failure (NRC GL 98-02)		09/25/2003	10/17/2003	Safety Issues
	<b>ALARA3 - ALARA PLANNING AND CONTROLS</b>		<b>1</b>			
1, 2	IP 7112102	ALARA Planning and Controls		10/06/2003	10/10/2003	Baseline Inspections
	<b>OB-PIR - PIR INSPECTION</b>		<b>6</b>			
1, 2	IP 71152B	Identification and Resolution of Problems		11/03/2003	11/21/2003	Baseline Inspections
	<b>LIC RNWL - LIC RNWL SCOPING &amp; PLANNING INSPECTION</b>		<b>3</b>			
2	IP 71002	License Renewal Inspection		02/09/2004	02/13/2004	License Renewal Ins
	<b>ALARA1 - 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>LIC RNWL - AGING MANAGEMENT INSPECTION</b>		<b>3</b>			
2	IP 71002	License Renewal Inspection		04/12/2004	04/24/2004	License Renewal Ins
	<b>2004020 - INSERVICE INSPECTION ACTIVITIES</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/19/2004	04/23/2004	Baseline Inspections
1	IP 7111108P	Inservice Inspection Activities - PWR		05/03/2004	05/07/2004	Baseline Inspections
	<b>ACCESSPI - ACRSA/PIV</b>		<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		04/26/2004	04/30/2004	Baseline Inspections
	<b>2004024 - PERMANENT PLANT MODIFICATIONS</b>		<b>2</b>			
1, 2	IP 7111117B	Permanent Plant Modifications		05/17/2004	05/21/2004	Baseline Inspections
	<b>RP TEAM - RAD SAFETY TEAM</b>		<b>4</b>			
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		07/12/2004	07/16/2004	Baseline Inspections
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		07/12/2004	07/16/2004	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  
08/01/2003 - 09/30/2004**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>RP TEAM - RAD SAFETY TEAM</b>		<b>4</b>			
1,2	IP 7112202	Radioactive Material Processing and Transportation		07/12/2004	07/16/2004	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program		07/12/2004	07/16/2004	Baseline Inspections
	<b>REQUAL - OB-REQUALIFICATION</b>		<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification		07/19/2004	07/23/2004	Baseline Inspections
	<b>ALARA2 - 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>2004035 - EVAL OF MAINTENANCE EFFECTIVENESS</b>		<b>1</b>			
1,2	IP 7111112B	Maintenance Effectiveness		08/16/2004	08/20/2004	Baseline Inspections

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