



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

June 29, 2007

Timothy G. Mitchell
Vice President Operations
Arkansas Nuclear One
Entergy Operations, Inc.
1448 S.R. 333
Russellville, AR 72802-0967

SUBJECT: SUMMARY OF ARKANSAS NUCLEAR ONE END-OF-CYCLE PUBLIC MEETING

Dear Mr. Mitchell:

This refers to the End-of-Cycle public meeting conducted in Russellville, AR, on June 26, 2007, between the NRC and your staff. The participants discussed performance at Arkansas Nuclear One for the period January 1 through December 31, 2006.

The attendance list is enclosed with this summary (Enclosure 1). A copy of the presentation slides is also enclosed (Enclosure 2).

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures 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).

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

Jeff Clark, PE, Chief
Project Branch E
Division of Reactor Projects

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

Enclosures:

1. Attendance List
2. NRC Presentation Slides

cc w/Enclosures:

Mr. David Maxwell
Arkansas Department of
Emergency Management
P.O. Box 758
Conway, AR 72033

Mr. David Freeman, Acting
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. Josh Johnston
Emergency Service Coordinator
Johnson County Office of Emergency
Services
P.O. Box 546
Clarksville, AR 72830

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 Allen Bradley
Mayor of Dover
P.O. Box 258
Russellville, AR 72811

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

The Honorable Tyrone Williamson
Mayor of Russellville
P.O. Box 428
Russellville, AR 72811

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

The Honorable Bobby Kirby
Mayor of Morrilton
City Hall
P.O. Box 583
Morrilton, AR 72110

The Honorable Brad Wear
Judge 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

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

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

Ms. Misty Sutton
Emergency Service Coordinator
P.O. Box 119
Morrilton, AR 72110

Mr. 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, AR 72205-3867

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

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

General Manager Plant Operations
Entergy Operations, Inc.
Arkansas Nuclear One
1448 S. R. 333
Russellville, AR 72802

Director, Nuclear Safety Assurance
Entergy Operations, Inc.
Arkansas Nuclear One
1448 S. R. 333
Russellville, AR 72802

Manager, Licensing
Entergy Operations, Inc.
Arkansas Nuclear One
1448 S. R. 333
Russellville, AR 72802

Director, Nuclear Safety & Licensing
Entergy Operations, Inc.
1340 Echelon Parkway
Jackson, MS 39213-8298

Section Chief, Division of Health
Radiation Control Section
Arkansas Department of Health and
Human Services
4815 West Markham Street, Slot 30
Little Rock, AR 72205-3867

Section Chief, Division of Health
Emergency Management Section
Arkansas Department of Health and
Human Services
4815 West Markham Street, Slot 30
Little Rock, AR 72205-3867

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

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

James Mallay
Director, Regulatory Affairs
Framatome ANP
3815 Old Forest Road
Lynchburg, VA 24501

Entergy Operations, Inc.

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Lisa R. Hammond, Chief
Technological Hazards Branch
National Preparedness Division
FEMA Region VI
800 N. Loop 288
Denton, TX 76209

Institute of Nuclear Power Operations (INPO)
Records Center
700 Galleria Parkway SE, Suite 100
Atlanta, GA 30339

Chairperson
Denton Field Office
Chemical and Nuclear Preparedness
and Protection Division
Office of Infrastructure Protection
Preparedness Directorate
Dept. of Homeland Security
800 North Loop 288
Federal Regional Center
Denton, TX 76201-3698

END-OF-CYCLE MEETING ATTENDANCE

LICENSEE/FACILITY	Entergy Operations Inc./Arkansas Nuclear One
DATE/TIME	June 26, 2007 - 6:00 pm
LOCATION	Russellville Depot 320 West C street Russellville, Arkansas 72811
NAME (PLEASE PRINT)	ORGANIZATION
David Maxwell	AD EM
Fred Van Buskirk	Entergy
Jeff Rudder	Entergy
JURNA Mitchell	Public
Bernie Bell	Arkansas Health
Aimee Young	NA
Thomas Kamerling	ADH - Nuclear Planning
Phillip Fisher	Entergy
Tim Mitchell	Entergy
Dale James	Entergy
Curt Brager	Entergy

Enclosure 2

Arkansas Nuclear One Annual Assessment Meeting

Reactor Oversight Program - CY 2006



Nuclear Regulatory Commission - Region IV

Arlington, Texas

June 26, 2007

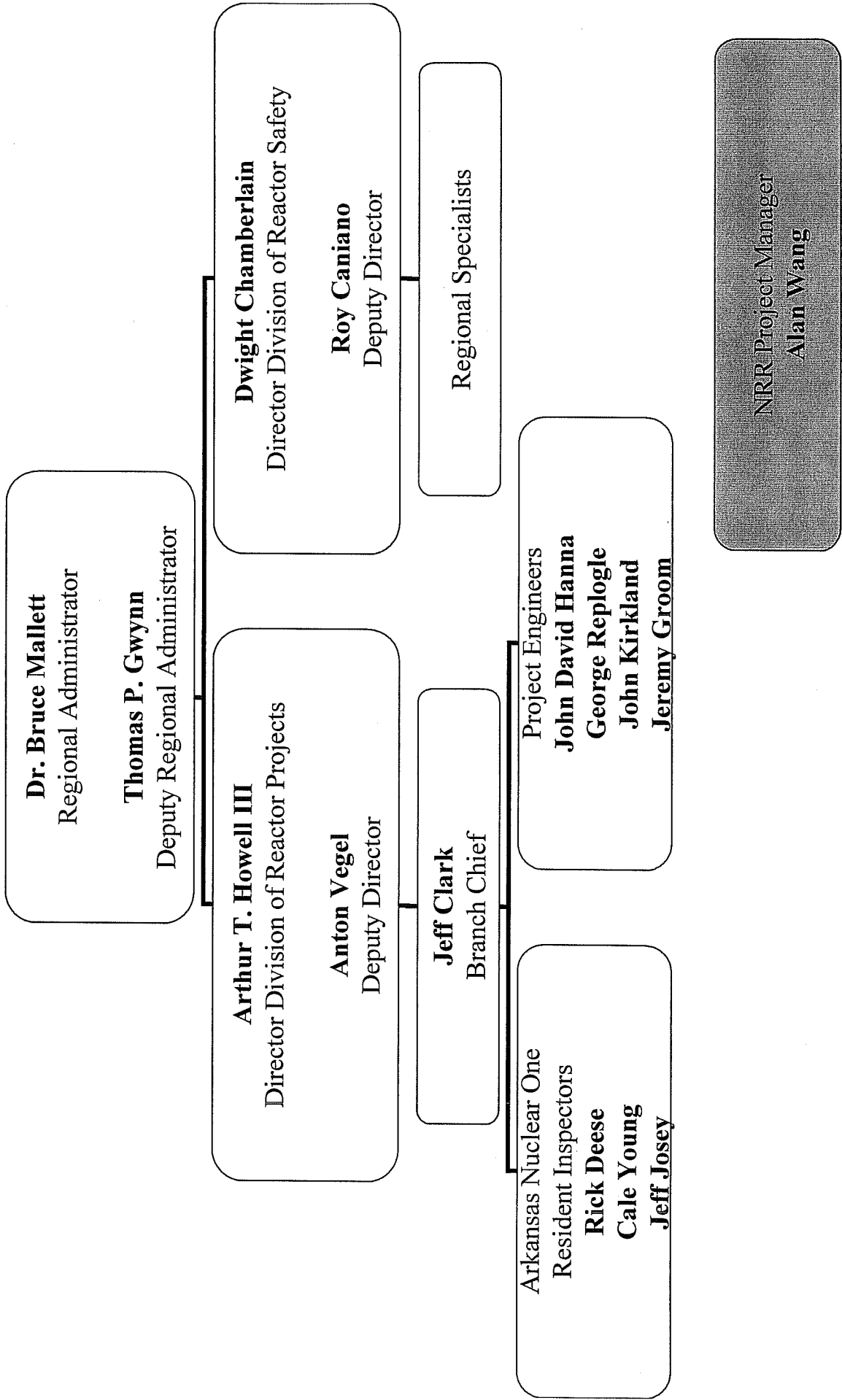
Purpose of Today's Meeting

- A public forum for discussion of Arkansas Nuclear One's performance
- NRC will address Entergy's performance issues identified in the annual assessment letter
- Following our portion of the presentation, Entergy will be given the opportunity to respond to the information in the letter and inform the NRC of new or existing programs to maintain or improve their performance

Agenda

- Introduction
- Review of Reactor Oversight Process
- National Summary of Plant Performance
- Discussion of ANO Performance Results
- Licensee Response and Remarks
- NRC Closing Remarks
- Break
- NRC available to address public questions

Region IV Organization



NRC Representatives

- **Cale Young, Resident Inspector**
- (479) 968-3290
- **Jeff Josey, Resident Inspector**
- (479) 968-3290
- **Jeff Clark, Branch Chief**
- (817) 860-8147

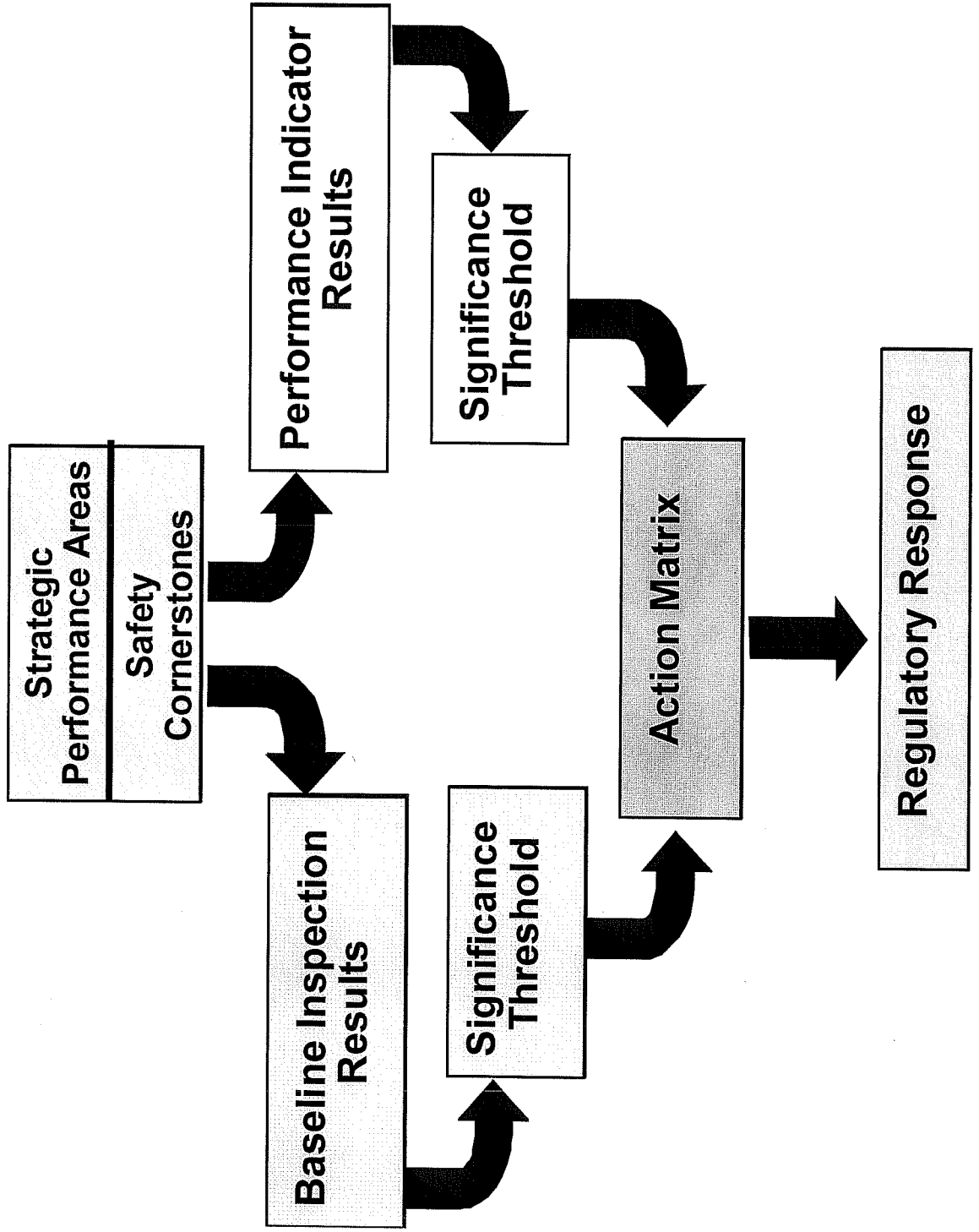
Review of Reactor Oversight Process

Cale Young, Resident Inspector

NRC Performance Goals

- **Safety: Ensure protection of the public health and safety and the environment**
- **Security: Ensure the secure use and management of radioactive materials**
- **Openness: Ensure openness in our regulatory process**
- **Effectiveness: Ensure that NRC actions are effective, efficient, realistic, and timely**
- **Management: Ensure excellence in agency management to carry out the NRC's strategic objective**

Reactor Oversight Process



Examples of Baseline Inspections

- **Equipment Alignment** ~80 hrs/yr
- **Triennial Fire Protection** ~200 hrs every 3 yrs
- **Operator Response** ~125 hrs/yr
- **Emergency Preparedness** ~80 hrs/yr
- **Rad Release Controls** ~110 hrs every 2 yrs
- **Worker Radiation Protection** ~90 hrs/yr
- **Corrective Action Program** ~250 hrs every 2 yrs
- **Corrective Action Case Reviews** ~60 hrs/yr

Significance Threshold

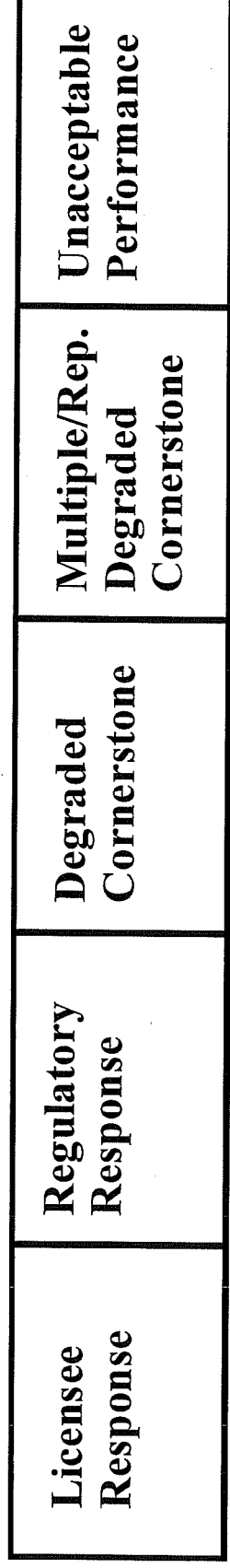
Performance Indicators

- Green:** Only Baseline Inspection
- White:** May increase NRC oversight
- Yellow:** Requires more NRC oversight
- Red:** Requires more NRC oversight

Inspection Findings

- Green:** Very Low safety issue
- White:** Low to moderate safety issue
- Yellow:** Substantial safety issue
- Red:** High safety issue

Action Matrix Concept



Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions

National Summary of Plant Performance

Status at End of CY 2006

Licensee Response	70
Regulatory Response	24
Degraded Cornerstone	6
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
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Total	103

National Summary

- **Performance Indicator Results (at end of CY 2006)**

▶ Green	1843
▶ White	11
▶ Yellow	0
▶ Red	0

- **Total Inspection Findings (CY 2006)**

▶ Green	676
▶ White	13
▶ Yellow	0
▶ Red	0

Arkansas Nuclear One Performance

Jeff Josey, Resident Inspector

Arkansas Nuclear One Assessment Results

(Jan 1 - Dec 31, 2006)

- 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).

Arkansas Nuclear One Inspection Activities

(Jan 1 - Dec 31, 2006)

- **Inspection Effort**
 - 1141.8 Resident Inspection Hours
 - 814.9 Regional Inspection Hours

Arkansas Nuclear One Inspection Activities

(Jan 1 - Dec 31, 2006)

- **Temporary Instruction**
 - TI-165 “Operational Readiness of Offsite Power and Impact On Plant Risk”
 - TI-169 “Mitigating Systems Performance Index Verification”
- **Refueling Outage Inspection**
 - September 19 to October 27, Unit 2 refueling outage and pressurizer replacement.

Arkansas Nuclear One Annual Assessment Summary

(Jan 1 - Dec 31, 2006)

- Entergy operated Arkansas Nuclear One in a manner that preserved public health and safety
- All cornerstone objectives were met with eleven findings of very low safety significance (Green)
- NRC plans baseline inspections at Arkansas Nuclear One for the remainder of the assessment period

Licensee Response and Remarks

Timothy G. Mitchell
Vice President Operations
Arkansas Nuclear One
Entergy Operations, Inc.

Contacting the NRC

- Report an emergency
 - ▶ (301) 816-5100 (call collect)
- Report a safety concern:
 - ▶ (800) 695-7403
 - ▶ Allegation@nrc.gov
- General information or questions
 - ▶ www.nrc.gov
 - ▶ Select “What We Do” for Public Affairs

Reference Sources

- Reactor Oversight Process
 - ▶ <http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>
- Public Electronic Reading Room
 - ▶ <http://www.nrc.gov/reading-rm.html>
- Public Document Room
 - ▶ 1-800-397-4209 (Toll Free)