

July 14, 2006

LICENSEE: American Electric Power Company

FACILITY: D.C. Cook Nuclear Plant

SUBJECT: SUMMARY OF THE JULY 6, 2006, PUBLIC MEETING TO DISCUSS  
THE D.C. COOK NUCLEAR PLANT END-OF-CYCLE PERFORMANCE  
ASSESSMENT

On July 6, 2006, the Nuclear Regulatory Commission (NRC) held a public meeting at the Lake Charter Township Hall in Bridgman, Michigan. The meeting was between NRC Region III management and American Electric Power Company (AEP) representatives to discuss NRC's assessment of the safety performance of the D.C. Cook Nuclear Plant, Units 1 and 2, for the period from January 1 through December 31, 2005. The meeting notice can be found in ADAMS as Accession Number ML061290553. A list of meeting participants and the NRC presentation slides can be found in the attached Enclosures.

The NRC began the meeting with an overview of the NRC's Reactor Oversight Process (ROP), national ROP results, and the Assessment Process in general. This was followed by a discussion of the NRC's assessment of the D.C. Cook Nuclear Plant's performance in calendar year 2005, which was documented in the March 2, 2006, end-of-cycle assessment letter recorded in ADAMS as Accession Number ML060610354. The NRC also discussed upcoming inspections and activities at the D.C. Cook Nuclear Plant. As part of this regulatory performance meeting, the AEP acknowledged the NRC's assessment.

Before adjourning the meeting, the NRC provided the opportunity for members of the public to ask questions, however, there were no questions.

*/RA/*

Christine A. Lipa, Chief  
Branch 4  
Division of Reactor Projects

Docket No. 50-315; 50-316  
License No. DPR-58; DRP-74

Enclosures: As Stated

**See Attached Distribution**

July 14, 2006

LICENSEE: American Electric Power Company

FACILITY: D.C. Cook Nuclear Plant

SUBJECT: SUMMARY OF THE JULY 6, 2006, PUBLIC MEETING TO DISCUSS THE D.C. COOK NUCLEAR PLANT END-OF-CYCLE PERFORMANCE ASSESSMENT

On July 6, 2006, the Nuclear Regulatory Commission (NRC) held a public meeting at the Lake Charter Township Hall in Bridgman, Michigan. The meeting was between NRC Region III management and American Electric Power Company (AEP) representatives to discuss NRC's assessment of the safety performance of the D.C. Cook Nuclear Plant, Units 1 and 2, for the period from January 1 through December 31, 2005. The meeting notice can be found in ADAMS as Accession Number ML061290553. A list of meeting participants and the NRC presentation slides can be found in the attached Enclosures.

The NRC began the meeting with an overview of the NRC's Reactor Oversight Process (ROP), national ROP results, and the Assessment Process in general. This was followed by a discussion of the NRC's assessment of the D.C. Cook Nuclear Plant's performance in calendar year 2005, which was documented in the March 2, 2006, end-of-cycle assessment letter recorded in ADAMS as Accession Number ML060610354. The NRC also discussed upcoming inspections and activities at the D.C. Cook Nuclear Plant. As part of this regulatory performance meeting, the AEP acknowledged the NRC's assessment.

Before adjourning the meeting, the NRC provided the opportunity for members of the public to ask questions, however, there were no questions.

*/RA/*

Christine A. Lipa, Chief  
Branch 4  
Division of Reactor Projects

Docket No. 50-315; 50-316  
License No. DPR-58; DRP-74

Enclosures: As Stated

**See Attached Distribution**

DOCUMENT NAME:G:\Branch TSS\ALL EOC\EOC CY2005\meeting summaries\DC Cook EOC Mtg summary.wpd

Publicly Available       Non-Publicly Available       Sensitive       Non-Sensitive

To receive a copy of this document, indicate in the concurrence box "C" = Copy without attach/encl "E" = Copy with attach/encl "N" = No copy

OFFICE	RIII	RIII				
NAME	FTran:ntp	CLipa				
DATE	07/13/06	07/14/06				

**OFFICIAL RECORD COPY**

cc w/encls: J. Jensen, Site Vice President  
L. Weber, Plant Manager  
G. White, Michigan Public Service Commission  
L. Brandon, Michigan Department of Environmental Quality -  
Waste and Hazardous Materials Division  
Emergency Management Division  
MI Department of State Police  
State Liaison Officer, State of Michigan  
D. Lochbaum, Union of Concerned Scientists

ADAMS Distribution:

JLD

PST

RidsNrrDirslrib

GEG

KGO

BJK1

DRPIII

DRSIII

PLB1

TXN

**PUBLIC MEETING PRINCIPAL ATTENDEES**

**July 6, 2006**

NRC

C. Lipa, Chief, Branch 4, Division of Reactor Projects  
B. Kemker, Senior Resident Inspector, D.C. Cook Nuclear Plant  
J. Lennartz, Resident Inspector, D.C. Cook Nuclear Plant  
J. Ellegood, Senior Resident Inspector, Palisades Nuclear Plant  
F. Tran, Reactor Engineer

American Electric Power Company

L. Weber, Plant Manager, D.C. Cook Nuclear Plant  
S. Simpson, Regulatory Affair Manager, D.C. Cook Nuclear Plant

# D. C. Cook Annual Assessment Meeting

---

Reactor Oversight Program - CY 2005



Nuclear Regulatory Commission - Region III

July 6, 2006

[www.nrc.gov](http://www.nrc.gov)

# Purpose of Today's Meeting

- A public forum for discussion of D.C. Cook Nuclear Plant's performance in Calendar Year 2005
- Brief overview of the Reactor Oversight Process, including results in Calendar Year 2005
- NRC available for public questions and comments

# Agenda

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



# Region III Organization

James L. Caldwell  
Regional Administrator

Geoffrey E. Grant  
Deputy Regional Administrator

Mark A. Satorius  
Director, Division of Reactor Projects

K. Steven West  
Deputy Director

Cynthia D. Pederson  
Director, Division of Reactor Safety

Anne T. Boland  
Deputy Director

Christine Lipa  
Branch Chief

Regional Specialists

DC Cook Nuclear Power Plant  
Resident Inspectors  
Brian Kemker  
Jay Lennartz

Project Engineer  
Robert Lerch  
Reactor Engineers  
Frances Ramirez  
Alexander Garmoe  
Frank Tran

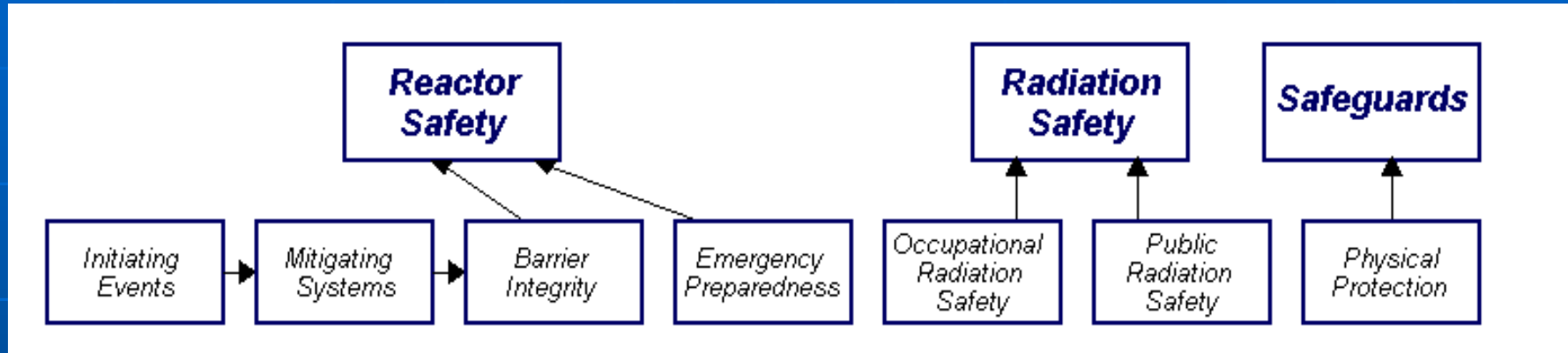
# NRC Representatives

- Mark A. Satorius, Director, Division of Reactor Projects
  - (630) 829-9634
- K. Steven West, Deputy Director, Division of Reactor Projects
  - (630) 829-9634
- Peter S. Tam, Project Manager, NRR
  - (301) 415-1451
- Brian J. Kemker, Senior Resident Inspector
  - (269) 465-5353
- Jay A. Lennartz, Resident Inspector
  - (269) 465-5353
- Christine A. Lipa, Branch Chief
  - (630) 829-9619

# 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



- 3 Strategic Performance Areas are divided into 7 Cornerstones of Safety
- Findings and Performance Indicators are associated with particular Cornerstones
- Cross-Cutting Issues involve a common cause affecting multiple Cornerstones

# Reactor Oversight Process



**Increasing Safety Significance**

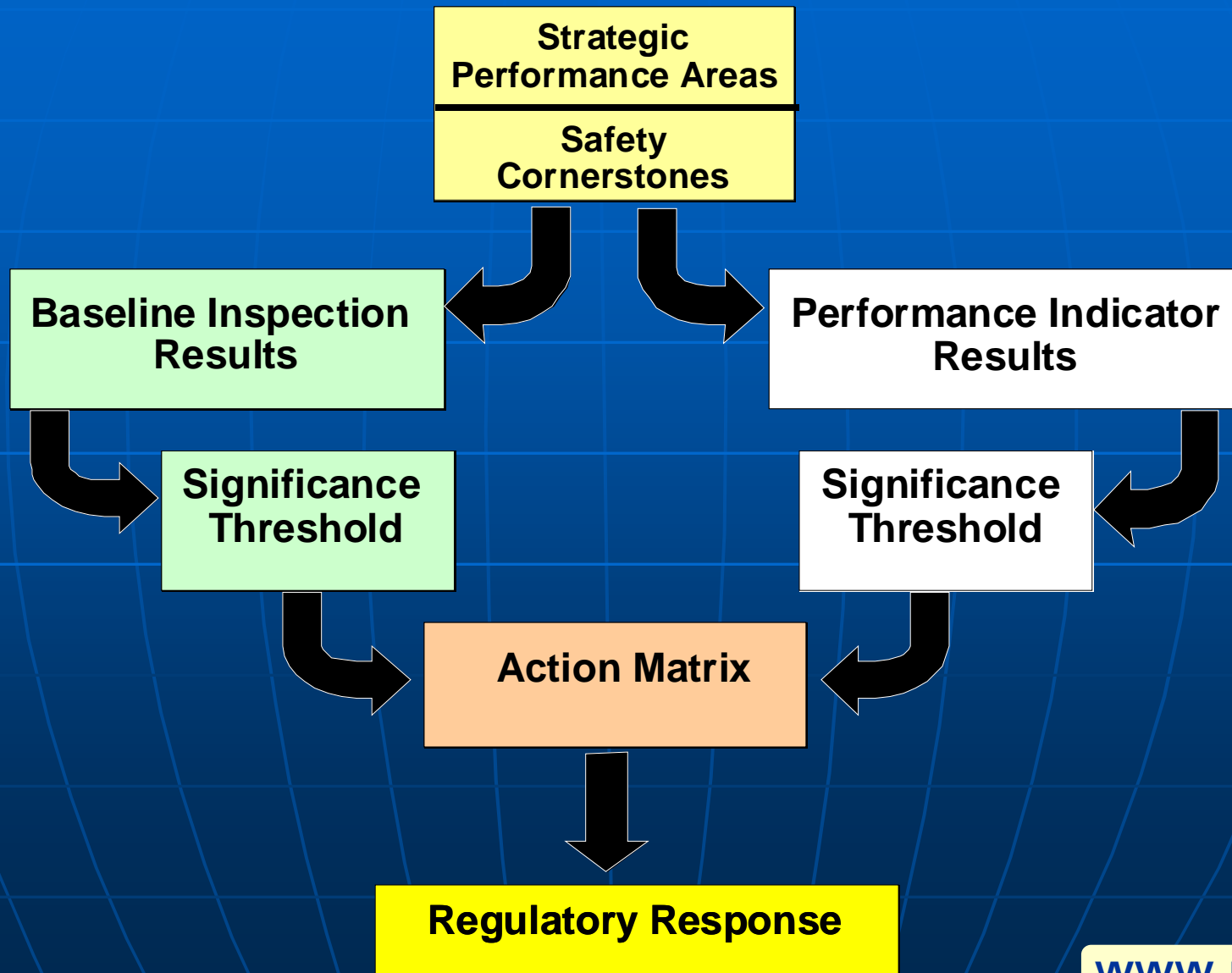
**Increasing NRC Inspection Efforts**

**Increasing NRC / Licensee Management Involvement**

**Increasing Regulatory Actions**

[www.nrc.gov](http://www.nrc.gov)

# 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



# National Summary of Plant Performance

## Status at End of CY 2005

Licensee Response	84
Regulatory Response	12
Degraded Cornerstone	4
Multiple/Repetitive Degraded Cornerstone	3
Unacceptable	0
<hr/>	
Total	103

# National Summary

## ■ Performance Indicator Results (end of CY 2005)

- **Green** 1850
- **White** 4
- **Yellow** 0
- **Red** 0

## ■ Total Inspection Findings (CY 2005)

- **Green** 849
- **White** 10
- **Yellow** 1
- **Red** 0

# D. C. Cook Assessment Results

**Jan 1 - Dec 31, 2005**

- Unit 1 was in the Licensee Response column
- Unit 2 was in the Regulatory Response column in 1Q2005 and 2Q2005 due to a White performance indicator (Scrams With Loss of Normal Heat Removal)
  - Unit 2 returned to the Licensee Response Column in 3Q2005, when the performance indicator returned to Green
- No substantive cross-cutting issues identified
- Three Severity Level III violations were issued involving the failure to provide complete and accurate information regarding medical conditions affecting licensed operators

# Safety Significant Findings or PIs

- No Safety Significant Findings were identified
- The Scrams With Loss of Normal Heat Removal performance indicator was White in 1Q2005 and 2Q2005. The PI returned to green in 3Q2005.
  - The last applicable Scram was in 2Q2003
  - 95001 inspection completed Nov. 17-21, 2003
  - This performance indicator tracks for 12 quarters

# D. C. Cook Inspection Activities

**Jan 1 - Dec 31, 2005**

- Approximately 2200 baseline inspection hours
- More than 150 additional inspection hours
  - Special Inspection completed November 18, 2005 in response to Unit 2 trip with subsequent equipment malfunctions
- 20 total findings and violations

# D. C. Cook Inspection Activities

**Jan 1 - Dec 31, 2005**

- Unit 1 refueling outage: March 26 – May 6, 2005
- License Renewal granted on August 30, 2005
  - Unit 1 license expires Oct. 25, 2034
  - Unit 2 license expires Dec. 23, 2037
- Backfit issued November 9, 2005 regarding electrical distribution

# D. C. Cook

## Annual Assessment Summary

Jan 1 - Dec 31, 2005

- AEP operated D. C. Cook in a manner that preserved public health and safety
- All cornerstone objectives were met with one White performance indicator (Scrams With Loss Of Normal Heat Removal) that returned to Green in 3Q2005

# 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](http://www.nrc.gov)
- Region III Public Affairs
  - Jan Strasma: (630) 829-9663
  - Viktoria Mitlyng: (630) 829-9662



# 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)

# D. C. Cook Annual Assessment Meeting

---

Reactor Oversight Program - CY 2005



Nuclear Regulatory Commission - Region III

July 6, 2006

[www.nrc.gov](http://www.nrc.gov)