

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

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

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American Electric Power

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:

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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

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

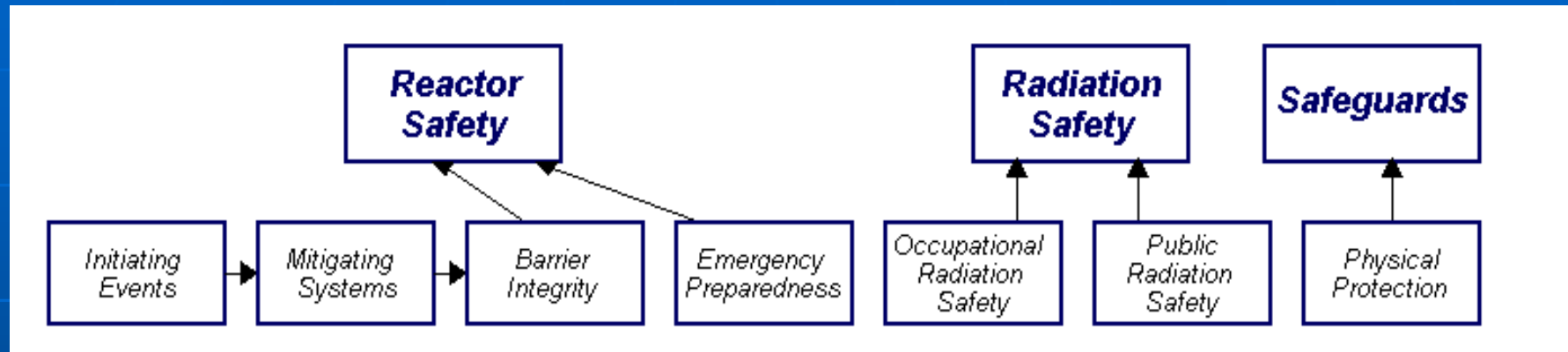
NRC Representatives

- 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

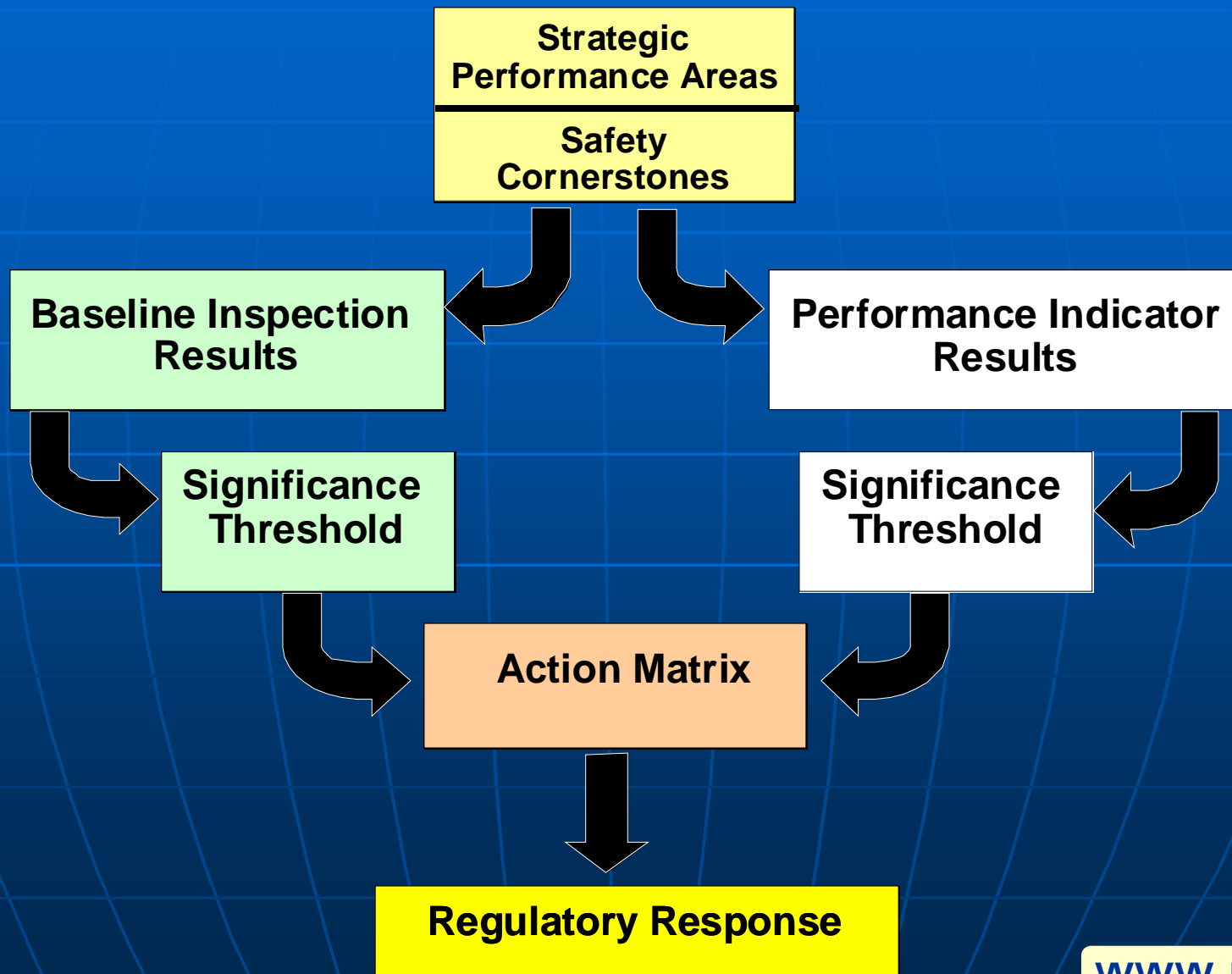
Increasing NRC Inspection Efforts

Increasing NRC / Licensee Management Involvement

Increasing Regulatory Actions

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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
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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

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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
- Region III Public Affairs
 - Jan Strasma: (630) 829-9663
 - Viktoria Mitlyng: (630) 829-9662

www.nrc.gov

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

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