



# Briefing on the Agency Action Review Meeting for the Reactor Oversight Process

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# Agenda

- Industry Trends Program –  
Elmo Collins, NRR
- ROP Self-Assessment –  
Elmo Collins, NRR
- Individual Plants
  - Perry: Jim Caldwell, RIII
  - Point Beach: Jim Caldwell, RIII
  - Palo Verde: Bruce Mallett, RIV

# Reactor Industry Trends Program

- Identifies Trends In Safety Performance
- Communicates Performance To Stakeholders
- Provides Feedback To ROP
- Supports NRC Performance Goals

# FY 2006 Results

- No Statistically Significant Adverse Trends In Safety Performance Based On Long-term Trending Through FY 2006
- No Short-term Prediction Limits Were Exceeded In FY 2006
- No Significant Accident Sequence Precursors

# Indicator Development

- New Industry-Wide Indicator – Baseline Risk Index For Initiating Events (BRIIE)
- Risk-Informed Measure of Reactor Plant Challenges
- Included In FY 2007 Report

# ROP Self-Assessment

- Reviewed Against Program Goals
- Covered Major ROP Areas
  - Performance Indicators
  - Inspection
  - Significance Determination
  - Assessment
  - Resources

# Overall Results

- Met Performance Goals and Achieved Intended Safety Outcomes
- Focused Resources on Performance Issues
- Meaningful Stakeholder Input

# Performance Indicator Program

## Significant Activities/Results

- Performance Indicators Add Value
- NRC Has Responded To A Number Of Indicators Crossing Thresholds
- Added MSPI In April, 2006



# PI Program (cont)

## Challenges/Planned Actions

- Broad Range of Stakeholders Cite Need To Improve PIs
- Implement Unplanned Scrams With Complications PI
- Continue To Address MSPI Issues
- Explore PI Revisions To Improve Identification of Plants With Declining Performance

# Inspection Program

- Significant Activities/Results
  - Verified Plants Operated Safely
  - Formalized Process For Aligning Inspection Resources
  - Conducted Engineering Inspections
  - All Ten Performance Metrics Met

# Inspection Program (cont)

- Challenges And Planned Actions
  - Implement Realignment Process And Adjust Resources As Necessary
  - Complete Revised Engineering Inspections At Remaining Sites
  - Monitor Changes To Program To Incorporate Safety Culture

# Significance Determination Process

- Significant Activities/Results
  - Improvements In Determining Safety Significance Of Findings
  - Completed Remaining Objectives Of SDP Improvement Plan
  - Streamlined Process And Began Training On Pre-solved Tables
  - Seven Of Eight Metrics Met

# Significance Determination Process (cont)

- Challenges And Planned Actions
  - Monitor Process Improvements To Ensure Continued SDP Timeliness
  - Provide Additional Guidance And Training On Pre-solved Tables

# Assessment Program

- Significant Activities/Results
  - Focused Resources On Performance Issues
  - Completed Safety Culture Enhancements And Training
  - All Ten Metrics Met

# Assessment Program (cont)

- Challenges/Planned Actions
  - Continue To Monitor Implementation Of Safety Culture Enhancements
  - Continue Monitoring Consistency
  - Implement Commission Direction to Meet With Licensee Senior Management

# ROP Deviations

- Waterford Unit 3 – June 2006
- Indian Point Unit 2 – December 2006
- Davis-Besse – August 2006
- No Additional Programmatic Changes Required



# Resources/Resident Demographics

- Resource Expenditures Stabilized After 3 Years With Increases
- Demographic Trends In CY 2006
  - Experience Level Remains High
  - Site Staffing Levels Steady
  - Resident Turnover Rate Not Excessive
- Continuing To Closely Monitor Resident Demographics And Site Staffing in 2007

# Plant Discussion

## Point Beach

- Reason for Discussion
  - Column IV Since April 2003
- Current Performance
  - Confirmatory Action Letter Closed
  - One Yellow and Three Red Findings Closed
  - Column IV Oversight Ended

# Plant Discussion – Perry

- Reason for Discussion
  - Column IV Since August 2004
- Current Performance
  - CAL Closed
  - Two White Findings Closed
  - PI&R/HP Cross-Cutting Issues Closed
  - Column IV Oversight Ended

# Plant Discussion - Palo Verde

- Reason for Discussion
  - Entered Column IV December 2006
- Current Performance
  - 2004 Yellow Finding Remains Open
  - White Finding Recently Issued
  - Two Cross-Cutting Issues Open Since 2005
  - Operational Challenges

# Plant Discussion - Palo Verde

- Next Steps
  - Licensee Self-Assessment
  - CAL
  - NRC Safety Culture Assessment

# 2006 ROP Summary

- Column IV Plants
- No Adverse Industry Performance Trends
- ROP Continues To Improve and Provide Appropriate Oversight

# List of Acronyms

- AARM – Agency Action Review Meeting
- ASP – Accident Sequence Precursor
- BRIIE – Baseline Risk Index for Initiating Events
- CAL – Confirmatory Action Letter
- CDBI – Component Design Bases Inspection
- CY – Calendar Year
- EDO – Executive Director for Operations
- FENOC – FirstEnergy Nuclear Operating Company

# List of Acronyms (cont)

- FY – Fiscal Year
- GAO – Government Accountability Office
- HP – Human Performance
- IMC – Inspection Manual Chapter
- IP – Inspection Procedure
- ITP – Industry Trends Program
- MD – Management Directive
- MSPI – Mitigating Systems Performance Index
- NRR – Nuclear Reactor Regulation



# List of Acronyms (cont)

- OIG – Office of the Inspector General
- PI – Performance Indicator
- PI&R – Problem Identification and Resolution
- PRA – Probabilistic Risk Assessment
- ROP – Reactor Oversight Process
- SC – Safety Culture
- SDP – Significance Determination Process
- SSU – Safety System Unavailability