

# Perry Nuclear Power Plant



## Perry CAL Followup Inspections - IP 95002 Issues and Corrective Action Program Effectiveness

Nuclear Regulatory Commission - Region III

Lisle, Illinois

March 14, 2006

# Meeting Agenda

- Introduction and Meeting Purpose
- Overview of Confirmatory Action Letter (CAL)
- Overview of CAL Inspection Activities
- IP 95002 Issues Implementation Review – Inspection Scope and Results
- Corrective Action Program Effectiveness Implementation Review – Inspection Scope and Results
- Licensee Response and Remarks
- <Break>
- Public Comments and Questions of NRC

# Purpose of Today's Meeting

- Provide a public forum for the discussion of recent Perry Nuclear Power Plant performance
- NRC to discuss the results of our review of the implementation of actions to address issues in the areas of IP 95002 Issues and Corrective Action Program Effectiveness of NRC's CAL
- Licensee management will be given the opportunity to respond to the information presented

# Review of Perry Performance

- August 2004 – Perry enters Multiple/Repetitive Degraded Cornerstone of NRC Action Matrix
- January-May 2005 – IP 95003 Inspection Conducted
- May 2005 – Public Exit Meeting for IP 95003
- July 2005 – IP 95003 Inspection Report Issued
- August 2005 – FENOC Response to IP 95003 Issues
- September 2005 – NRC Issues CAL
- November 2005 – NRC Reviews Revised PII

# Confirmatory Action Letter (CAL)

## FENOC Committed to Sustained Improvement

- Corrective Action Program Effectiveness
- Human Performance
- Emergency Preparedness
- Inspection Procedure 95002 Issues

# Perry CAL Inspection Activities

## Planned NRC Inspection Activities:

- Review Licensee's Assessment Activities and Corrective Action Development
- Review Corrective Action Implementation
- Review Corrective Action Effectiveness

# Inspection Scope – IP 95002 Issues Implementation Review

## IP 95002 Issues Implementation Review - Scope

- Determine if actions to address maintenance procedure issues were adequately implemented
- Determine if actions to address ESW pump coupling assembly concerns were adequately implemented
- Determine if actions to address training issues were adequately implemented

# Inspection Results – IP 95002 Issues Implementation Review

## IP 95002 Issues Implementation Review - Results

- All Commitments and Action Items reviewed determined to be adequately implemented
- Maintenance Procedure improvements noted
- Some Observations of Areas for Improvement
  - Technical Accuracy of Maintenance Procedures
  - Identification of “Critical” Procedure Steps
  - Use of N/A’s in Procedures



# Inspection Results – IP 95002 Issues Implementation Review

## IP 95002 Issues Implementation Review - Results

- CAL Followup Inspection to review overall effectiveness – July 2006
- Two Green findings identified associated with human performance errors during maintenance

# Inspection Scope – CAP Effectiveness Implementation Review

## CAP Effectiveness Implementation - Scope

- Improve Ownership and Station Focus
- Improve Ability to Self-Identify Problems
- Focus on Proper Prioritization of Problems
- Improve Quality of Evaluations
- Improve Ability to Correct Problems

# Inspection Scope – CAP Effectiveness Implementation Review

## CAP Effectiveness Implementation - Scope

- Improve CAP Closure Documentation
- Improve Oversight of CAP
- Review PII Phase 1 Carryover Activities
- Review Validated/Closed Phase 1 PII Items
- Review Key Performance Indicators

# Inspection Results – CAP Effectiveness Implementation Review

## CAP Effectiveness Implementation – Results

- No Findings identified
- All 3 CAP-related Commitments adequately implemented
- 3 of 31 Action Items not adequately implemented

# Inspection Results – CAP Effectiveness Implementation Review

## CAP Effectiveness Implementation – Results

- Cases where lack of process may hinder effectiveness
- Significant personal commitment required to accomplish actions
- CAL Followup Inspection to review overall effectiveness – November 2006

# Summary

Perry is Being Operated Safely

Challenge Areas:

- Corrective Action Program Implementation
- Human Performance

Continued Supplementary Oversight

# Licensee Response and Remarks

FENOC

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

# Perry Nuclear Power Plant Upcoming NRC Activities

## Corrective Action Implementation Reviews

- IP 95002 Issues Implementation Review (Complete)
- Corrective Action Program Effectiveness Implementation Review (Complete)
- Emergency Preparedness Implementation and Effectiveness Review – April 2006
- Human Performance Implementation Review – June 2006



# Contacts for Additional Information

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## ■ Perry Resident Inspector Office

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- Mark Franke, Resident Inspector
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# 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)

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