



# **Perry Nuclear Power Plant**

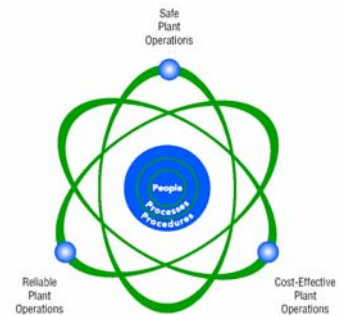
August 15, 2006

Public Meeting

CAL/95002 Follow Up Inspection

# Perry Nuclear Power Plant

**Bill Pearce**  
***Site Vice President***



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

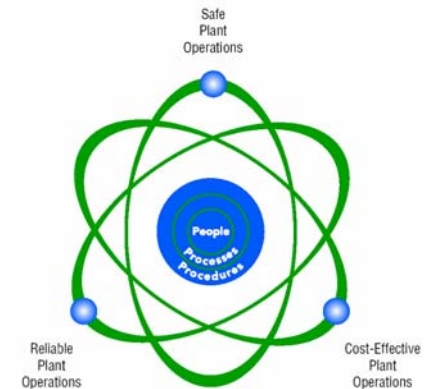
**FENOC**

*FirstEnergy Nuclear Operating Company*

95002 Follow Up Inspection

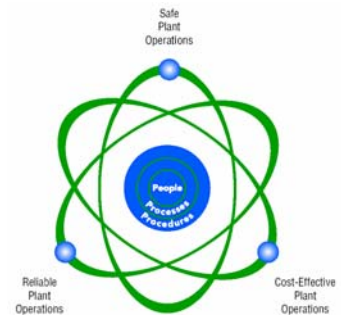
# Introduction

- NRC IP 95002 – *Mike Wayland*
- Performance Improvement Initiative (PII) – *Greg Halnon*
- Closing Remarks



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

## **Mike Wayland** ***Director,*** ***Maintenance Department***



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

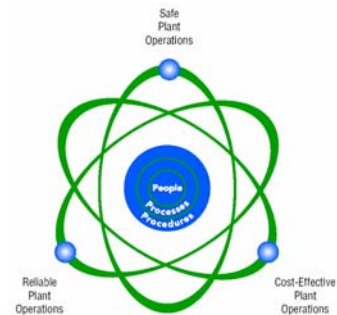
# **FENOC**

*FirstEnergy Nuclear Operating Company*

95002 Follow Up Inspection

# NRC IP 95002 – Maintenance Procedure Upgrade Project

- IP95002 CAL Commitments completed by January 2006
  - Update of Key Maintenance Procedures
  - Revision of Nuclear Quality Assurance Instruction to establish additional inspections based on repeat failures
  - Revision of Generic Maintenance Instructions to include QC hold points
- Revised maintenance procedures improved over previous revisions
- Opportunities for additional maintenance procedure improvements remained



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

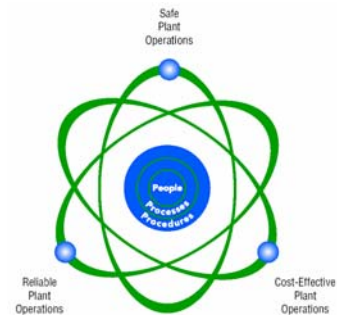
# FENOC

FirstEnergy Nuclear Operating Company

95002 Follow Up Inspection

# Improvements Since January 2006

- Revalidation of 118 key maintenance procedures underway
  - Developed new procedure writer's guide
  - Conducted procedure writers training
  - Conducted Procedure Use and Adherence training
  - Involved maintenance craft personnel in procedure reviews
  - Placed procedures not verified by field use or through the revalidation effort on hold
- Implemented plans to upgrade other Maintenance Procedures



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

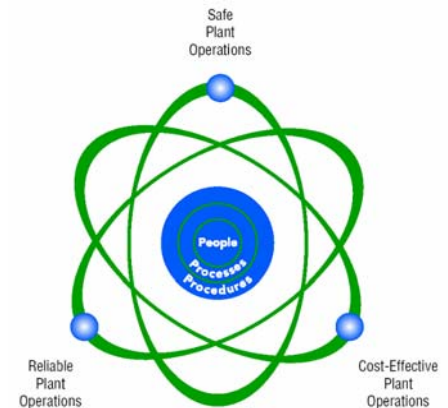
# FENOC

FirstEnergy Nuclear Operating Company

95002 Follow Up Inspection

# NRC IP 95002 Key Inspection Issues

- Human Performance Weaknesses
- Maintenance Procedure Adequacy



FENOC Vision

**People** with a strong safety focus  
delivering top fleet operating performance.

# FENOC

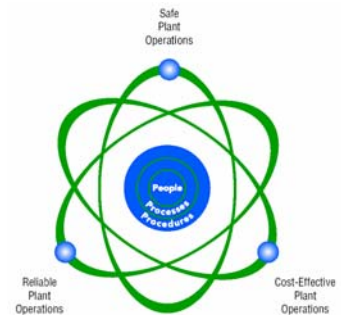
FirstEnergy Nuclear Operating Company

95002 Follow Up Inspection



# Key Actions Addressing Human Performance Weaknesses

- Continuous reinforcement of Human Performance tool use
  - Procedure Use and Adherence training for supervisors and craft personnel
  - Dynamic training for supervisors and craft personnel
- Ongoing on-the-job coaching of procedure use
  - In-field use of Place-Keeping
  - Use of Human Performance tools



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.



# Key Actions Addressing Maintenance Procedure Adequacy

- Revised or placed deficient procedures on hold
- Removed procedure statements permitting performance of steps out of sequence
- Revalidation of 118 Maintenance Procedures underway
  - Technical and Craft Review
  - Cross-Discipline Review (PAP 507, “Perry Supplemental Procedure Requirement Guidance”)
  - Validation (PAP 550.3, “Procedure Validation”)
  - Independent Qualified Review (NOP-SS-3001, “Procedure Review and Approval”)

# Procedure Revalidation Effort

*118 Key Maintenance Procedures*

**2006**

**August**

**September**

**October**

**November**

**December**

**August 15**

- **118 – Technical & Craft Review Complete**

**October 23 (scheduled)**

- **70 – Approved & Effective**

**December 21 (scheduled)**

- **118 – Approved & Effective**

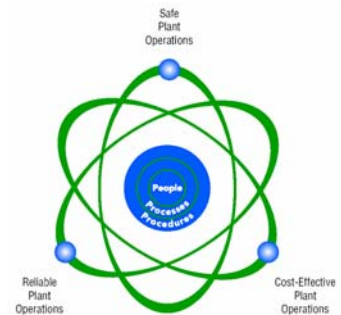
**FENOC**

*FirstEnergy Nuclear Operating Company*

95002 Follow Up Inspection

# Key Actions for Sustainability

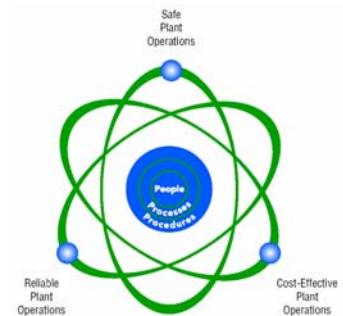
- Administrative controls
  - PAP-500, “Perry Technical Procedure Writer’s Guide”
  - NOP-LP-2601, “Procedure Use and Adherence”
- Training
  - Completed procedure writer training
  - Completed “Procedure Use and Adherence” classroom training
  - Conducting “Procedure Use and Adherence” dynamic training
- Continuous improvement of maintenance procedures
  - Reflected in Excellence Plan
  - Completed approximately 100 procedures revisions this year



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

# IP 95002 Summary

- Procedure Use and Adherence by craft improved
- Procedure consistency and quality improved
- Focus on achieving further improvement and long-term sustainability continues



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

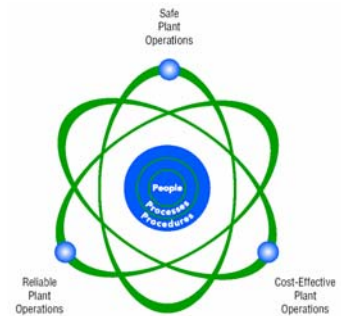
# FENOC

FirstEnergy Nuclear Operating Company

95002 Follow Up Inspection

# Performance Improvement Initiative

**Greg Halnon,**  
***Director, Regulatory Affairs &  
Performance Improvement Initiative***



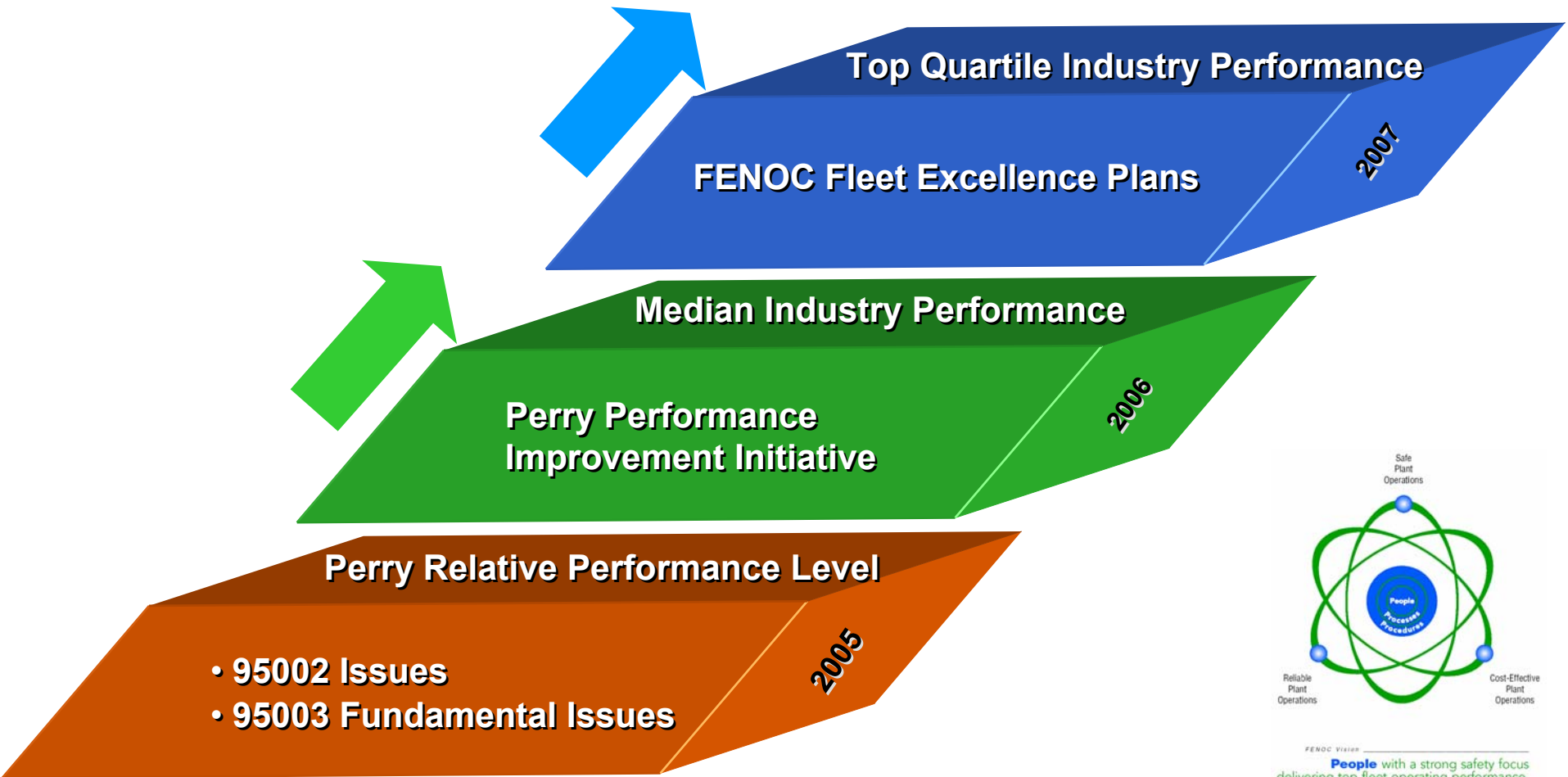
FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

**FENOC**

FirstEnergy Nuclear Operating Company

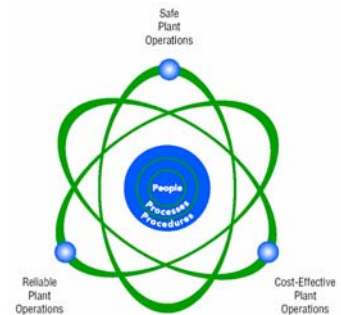
95002 Follow Up Inspection

# Perry's Performance



# Performance Improvement Initiative

- Perry's Performance Improvement Initiative (PII) ensures resolution of IP 95003 issues
- Six key PII focus areas
  - Corrective Action Program Implementation Improvement
  - Excellence in Human Performance
  - Training to Improve Performance
  - Effective Work Management
  - Employee Engagement and Communication
  - Operational Focused Organization
- Perry is converging on PII closure

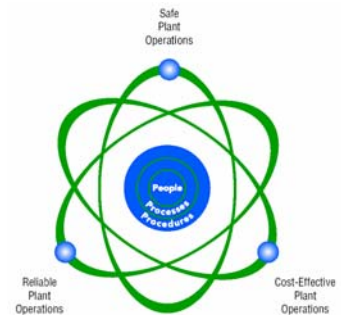


FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.



# Performance Improvement Initiative Closure Process

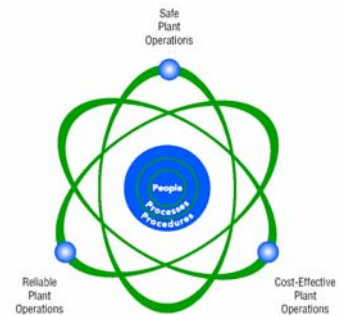
- Centered around satisfactory implementation of PII actions and activities
- Closure Self-Assessments
  - Ensure substantial improvements
  - Methods established for sustained performance
  - Condition Reports written for gaps
- Gaps and follow-up activities carried into Perry Excellence Plans
- Sustainability assessed on a periodic basis
  - Metrics
  - Benchmarking / Self-assessment
- CAL Commitment closure letter submitted when substantial improvement and sustainability have been achieved



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

# Closing Remarks

**Bill Pearce**  
***Site Vice President***



FENOC Vision  
**People** with a strong safety focus  
delivering top fleet operating performance.

**FENOC**

*FirstEnergy Nuclear Operating Company*

95002 Follow Up Inspection



# **Perry Nuclear Power Plant**

August 15, 2006

Public Meeting

CAL/95002 Follow Up Inspection