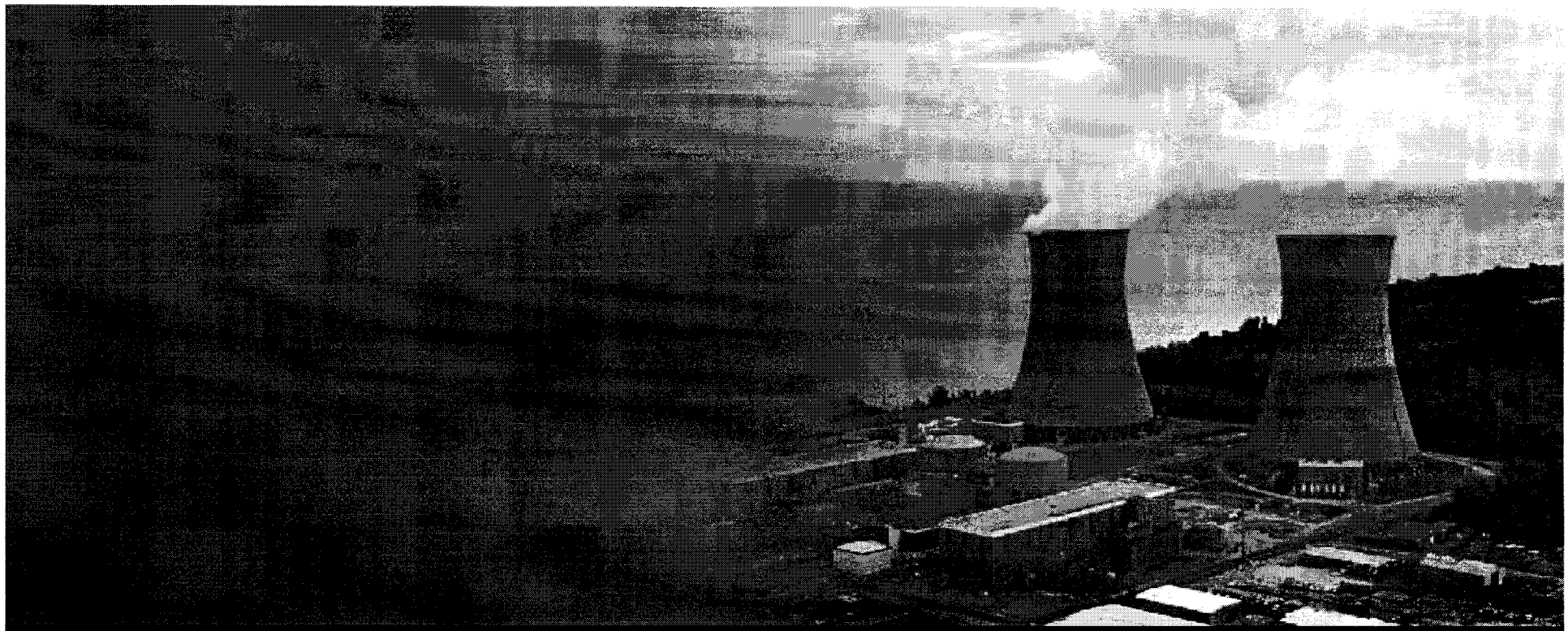

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FirstEnergy Nuclear Operating Company

Perry Nuclear Power Plant
NRC Public Meeting
May 26, 2005

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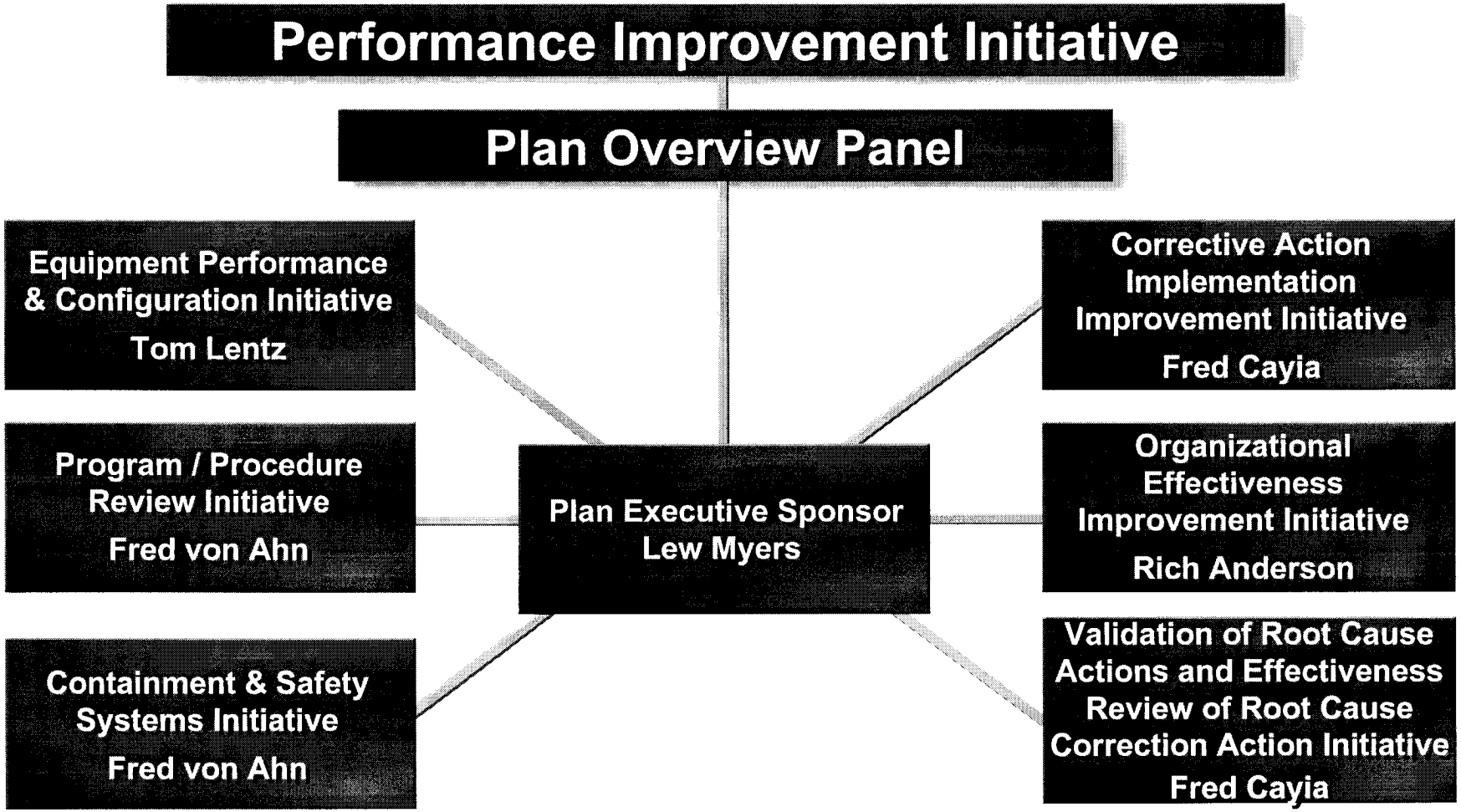
Desired Outcomes

Richard Anderson
Vice President, Perry Nuclear Power Plant

- Management team continues to focus on safety and reliability
- Perry Performance Improvement Initiative has achieved positive results
- Management team has a sense of urgency for continued improvement and is working to drive it through the organization

Performance Improvement Initiative (PII) - The Road Map for Sustained Performance

Richard Anderson
Vice President, Perry Nuclear Power Plant



Refueling Outage Accomplished Many Equipment Improvements

FirstEnergy

Fred von Ahn
Director, Site Operations

- Invested time and financial resources necessary to improve plant reliability
  - Emergency Service Water Pumps
  - Digital Feedwater System
  - Emergency Diesel Generator Testable Rupture Disc
  - Fuel Reliability
  - Turbine Generator Inspection/Repair
  - Breaker Refurbishments
  - Recirculation Valve Inspection

Refueling Outage Accomplished Many Equipment Improvements

FirstEnergy

Fred von Ahn
Director, Site Operations

- 2389 work packages completed
- Numerous equipment issues addressed through Corrective Active Program
  - 22 Operability Determinations closed
  - 13 Temporary Modifications closed
  - 5 of the "Top Ten Equipment Reliability Issues" resolved
  - Actions resolved on 6 of 11 maintenance rule systems in A1 status

Equipment Performance & Configuration Demonstrates Acceptable Performance

Tom Lentz
Director, Site Engineering

- Discovery Actions
  - System Health Reviews and Latent Issue Reviews performed
  - Safety-related calculations assessed
- Improvement Results
  - Equipment and fuel reliability improvements implemented
  - Initial critical thinking & technical rigor training completed
- Ongoing Actions
  - Perform additional Latent Issue Reviews
  - Upgrade safety-related calculations to Fleet standard
  - Continue long-term Fuel Reliability improvements
  - Conduct additional critical thinking & technical rigor training

Containment & Safety Systems Demonstrate Improved Performance

FirstEnergy

Fred von Ahn
Director, Site Operations

- Discovery Actions
  - Containment health assessed
  - Single Point Vulnerability Review completed
  - Engineering Change Requests assessed
- Improvement Results
  - Containment upgrades initiated
  - System Vulnerability Review Process implemented
  - Safety System Availability improving
- Ongoing Actions
  - Complete containment upgrades
  - Alternate Decay Heat Removal System installation

Program & Procedure Review Demonstrates Improved Performance

FirstEnergy

Fred von Ahn
Director, Site Operations

- Discovery Actions
  - 18 site programs reviews completed or in final approval
- Improvement Results
  - Program improvement opportunities identified and actively being addressed by Corrective Action Program
  - 116 Maintenance procedures upgraded or in final approval
- Ongoing Actions
  - Complete remaining site program reviews and 8 procedure reviews

Emergency Planning Remains an Area of Management Focus

FirstEnergy

Jeff Lausberg
Manager, Regulatory Compliance

- Discovery Actions
  - Validated the integrity of the Emergency Plan, EALs, and Implementing Procedures
- Improvement Results
  - Emergency Response Organization depth increased
- Ongoing Actions
  - Improve the proficiency of the Emergency Response Organization

Corrective Action Program Implementation The Foundation for Sustained Performance

Fred Cayia
Director, Performance Improvement

Rigor in implementation of the Corrective Action Program remains an area of management focus

- Discovery Actions
  - Independent assessment of Perry's CAP completed
- Improvement Results
  - Gap closure plan implemented
  - Trending Program implemented
  - CAP-related training and qualification conducted
  - Equipment improvements driven by CAP
- Ongoing Actions
  - Ensure Corrective Actions resolve issues
  - Conduct additional CAP training
  - Continue strong oversight by the Corrective Action Review Board

Validation of Key Corrective Actions Ensures Effectiveness

FirstEnergy

Fred Cayia
Director, Performance Improvement

- Discovery Actions
  - Validation review of selected root cause corrective actions performed by independent experts
- Improvement Results
  - Resolution of Emergency Service Water Pump coupling issues
  - Identified additional actions for safety system venting
- Ongoing Activities
  - Implement lessons-learned into ongoing activities
  - Validate Latent Issues Review for Emergency Closed Cooling

Organizational Effectiveness Remains Area of Management Focus

FirstEnergy

Richard Anderson
Vice President, Perry Nuclear Power Plant

- Discovery Actions
  - Common cause analysis completed
  - Several independent assessments performed
- Improvement Results
  - Management team assessed and strengthened
  - Employee communications enhanced
  - Strong industry experience incorporated into improvement initiative
  - Effective Procedure Adherence improvements implemented
  - Training Improvement and Operations Oversight plans implemented

Organizational Effectiveness Remains Area of Management Focus

FirstEnergy

Richard Anderson
Vice President, Perry Nuclear Power Plant

- Ongoing Activities
  - Achieve alignment of leadership and site team
  - Improve accountability and discipline of execution
  - Conduct interim effectiveness reviews
  - Conduct comprehensive effectiveness review of PII in 2006
  - Improve Training program implementation
  - Implement FENOC Human Performance standards

Summary

Richard Anderson
Vice President, Perry Nuclear Power Plant

- Perry's management team will continue to focus on plant safety and reliability
- Rigorous implementation of our Corrective Action Program is essential to maintaining acceptable performance
- The Perry Performance Improvement Initiative has and will continue to achieve positive results
- Perry's Management team has a sense of urgency for continued improvement

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