

Perry Nuclear Power Plant



Perry CAL Followup Inspections - Emergency Preparedness and Human Performance

Nuclear Regulatory Commission - Region III

Lisle, Illinois

July 11, 2006

Meeting Agenda

- Introduction and Meeting Purpose
 - Overview of Confirmatory Action Letter (CAL)
 - Overview of CAL Inspection Activities
 - Emergency Preparedness Action Item Implementation and Effectiveness Review – Inspection Scope and Results
 - Human Performance Action Item 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 Emergency Preparedness and Human Performance areas of the 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

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 Assessment Activities and Corrective Action Development
- Review Corrective Action Implementation
- Review Corrective Action Effectiveness

Perry Nuclear Power Plant Completed NRC CAL Inspections

Completed CAL Followup Inspections

- PII Phase 2 Review
- IP 95002 Issues – Action Item Implementation
- Corrective Action Program - Action Item Implementation
- Emergency Preparedness – Action Item Implementation and Effectiveness
- Human Performance – Action Item Implementation

Inspection Scope – EP Action Item Implementation and Effectiveness

EP Action Item Inspection - Scope

- Determine whether Emergency Preparedness program Commitments were adequately implemented
- Determine whether actions were effective and licensee performance improved

Inspection Results – EP Action Item Implementation and Effectiveness

EP Action Item Inspection – Results

- All EP Commitments Adequately Implemented
 - ✓ Increased ERO Staffing
 - ✓ Additional Augmentation Drills Conducted
- EP Actions Effective
 - ✓ April 6, 2006 Augmentation Drill – No Findings
 - ✓ IP 95003 Non-Cited Violations – No Findings
 - ✓ IP 95003 Unresolved Items Closed – No Findings
 - ✓ IP 95003 Observations – All Issues Addressed

Inspection Scope – Human Performance (HU) Action Item Implementation

HU Action Item Inspection - Scope

- Determine whether HU Commitments and Action Items adequately implemented
- Determine whether Key Performance Indicators (KPIs) adequate
- Conduct early effectiveness “HU Snapshot”

Inspection Results – Human Performance Action Item Implementation

HU Action Item Inspection – Results

- All HU Commitments Adequately Implemented
 - ✓ Site Leadership Team Roles Defined/Communicated
 - ✓ Site Training Advisory Committee Focus on HU
 - ✓ HU Program Activities Communicated to Staff
 - ✓ Provide HU Error Prevention Training to Staff
- All HU Action Items Adequately Implemented
 - Benchmarking Observation

Inspection Results – Human Performance Action Item Implementation

HU Action Item Inspection – Results

- KPIs to Monitor Human Performance - Adequate
 - 3 KPIs Established
 - KPIs Included Appropriate Response Thresholds
- HU Snapshot Observations – No Deficiencies Identified
 - 3 Control Room Evolution Observations
 - 4 Surveillance Testing Activity Observations
 - 3 Maintenance Activity Observations

Summary

Perry is Being Operated Safely

Principal Challenge Areas:

- Corrective Action Program Implementation
- Human Performance

Continued Supplementary Oversight

Licensee Response and Remarks

FENOC

Perry Nuclear Power Plant Upcoming NRC Activities

Remaining Planned CAL Followup Inspections

- IP 95002 Issues Action Item Effectiveness – July 2006
- HU Action Item Effectiveness – October 2006
- CAP Action Item Effectiveness – November 2006

Contacts for Additional Information

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 - Mark Wilk, 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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