

Exelon Nuclear Byron Generating Station

U.S. NRC End-of-Cycle
Public Meeting
April 2, 2009

Byron 2008 Accomplishments

- 2 Successful refueling outages
- Maintenance and Technical training programs re-accredited
- Successful Emergency Preparedness – Hostile Action Drill
- Error free transition of the guard force to Exelon
- Organizational and material condition improvements
- Environmental stewardship

Byron 2008 Performance

- NRC performance indicators –
 - All indicators are “Green”
- NRC inspection results
 - White Finding for SX riser piping action plan reviewed (complete)
 - Received NRC substantive cross-cutting issue

Human Performance Cross-Cutting Issue

- Two formal investigations conducted
- Corrective actions that are implemented:
 - Technical Human Performance
 - Questioning attitude
 - Challenge
 - Standards, policies and administrative controls

Performance Improvement Actions Taken

- Engineering Decision Making Training
 - Institute of Nuclear Power Operations (INPO), Kepner Tregoe (KT), and At-The-Desk observation program
- Targeted Technical Human Performance Training (ongoing)
- Job shadowing program
- Department Human Performance Improvement Plans (HPIPs)
- Senior Management elevated oversight through Weekly Human Performance Plan of the Day (HUPOD)
- 2009 first quarter Leadership training provided

Performance Improvement Progress

- Metrics have shown overall improvement in the area of human performance.
 - Decrease in Byron Total Error Rate per 10,000 person hours
 - Decreased departmental clock resets (improved) in 2009.
- The site has recently accomplished several major activities error free.
 - Station Auxiliary Transformer Work Window
 - 1B Auxiliary Feedwater Pump Work Window
 - 2A Safety Injection Pump Work Window

Byron Key Activities - 2009

- Organization Effectiveness / Human Performance – Number 1 Priority
- Summer grid reliability operations
- Construction of dry cask spent fuel storage facility, 2Q2009 initial loading
- Unit 1 refueling outage