

Exelon Nuclear Byron Generating Station

U.S. NRC End-of-Cycle
Public Meeting
April 24, 2008

Byron 2007 Accomplishments

- Successful Unit 2 Refueling Outage
- Major inspections completed without findings or violation:
 - Security Force-On-Force
 - PI&R Inspection
 - Triennial Fire Protection Inspection

Byron 2007 Accomplishments

- Material Condition Improvements
 - Replaced all eight SX riser piping sections
 - Raw water inspections on equipment replacements
 - Completion of Unit 2 pressurizer weld overlay
 - Installation of containment sump modification
 - Completed reactor head volumetric inspection with “boat” sample of indication on penetration #68

Performance Issues

- NRC Performance Indicators
 - All indicators are “Green” with the exception of AF Heat Removal. The Unit 2 indicator is White due to three 2B AF functional failures in March and November 2005 and January 2006. Supplemental 95001 inspection complete. Expected return to green by April 2008.
 - Potential White finding in 2Q2008 due to Oct 2007 dual unit shutdown caused by the SX riser degradation. This will be followed up by a 95001 inspection after completion of corrective actions.

Performance Issues

- NRC Findings
 - Entered into the Station Corrective Action Program

Byron Environmental Stewardship

- Received ISO 14001 Environmental Certification
- Continue to perform quarterly IEMA / IEPA Inspections for tritium per House Bill 1620

Byron Key Events - 2008

- Units 1 and 2 Refueling Outages
- Summer operations
- INPO Evaluation
- Maintenance & Technical Training Program
INPO Accreditation visit
- Construction of dry cask spent fuel storage unit in preps for 2Q2009 initial loading
- Continually monitor and improve human performance
- Third quarter new licensed operator graduation

Byron Focus Areas - 2008

- Destination Excellence
 - Safety
 - Flawless Execution
 - Teamwork
 - ALARA Leadership
 - Talent Development