

NRC Public Meeting Annual Assessment of Brunswick Performance



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Performance

- Unit 1
 - ◆ 2007 Capacity Factor – 95.92%
 - ◆ 2008 Capacity Factor – 80.58%
 - Extended outage to improve equipment reliability
 - Outage scope reflects commitment to safety and improved performance
- Unit 2
 - ◆ 2007 Capacity Factor – 86.99%
 - 46 Day Refueling/Maintenance Outage
 - ◆ 2008 Capacity Factor – 98.08%
 - Updated through March 31, 2008

Significant Plant Improvements

- Main Condenser improvements
- New Generator 230 kV Power Circuit Breakers
- New Reactor Recirculation Pump Motor
- New fuel bundles with improved debris filters
- Installed under-vessel work platform
- Station Blackout Diesels added

2007 In Review

Accomplishments

- ◆ Station Blackout Diesels
 - Improved Nuclear Safety
 - ◆ 68% Improvement in Unit 1
 - ◆ 66% Improvement in Unit 2
- ◆ Service Water System Reliability
- ◆ STEP 2010 Plan
(Safety, Teamwork, Equipment Reliability, Personal Performance)
- ◆ Emergency Preparedness Siren Replacements
- ◆ Recruiting Team



Unit 1 Assessment Details

- Diesel Generator (DG) performance
- Foreign material left in DG 1 oil sump
- Service Water valve issue

Diesel Generator Reliability

- BNP DG Reliability Improvement Team
- Comprehensive actions to further improve DG reliability
 - ◆ Preventive Maintenance improvements
 - ◆ Relay and Capacitor replacements
 - ◆ Starting Air improvements
 - ◆ Fuel Oil Tanks internals cleaned
 - ◆ Foreign Material Exclusion (FME) practice improvements

Service Water Reliability

- Improvements
 - ◆ Conversion to Sodium Hypochlorite
 - ◆ Inspections of SW System
 - ◆ Valve Replacements
 - ◆ FME Practice Improvements



Corrective Action Program Focus

- ◆ Improved Performance Indicators
- ◆ Weekly Review Management Meetings
- ◆ Formed Corrective Action Review Board (CARB)
- ◆ Provided Enhanced Training
- ◆ Established Root Cause Review Teams

2008 Focus

- Continuous Improvement
 - ◆ Leadership Development and Succession Planning
 - ◆ STEP 2010 Plan Implementation
 - ◆ Corrective Action Program Improvements
 - ◆ Recruiting and Staffing