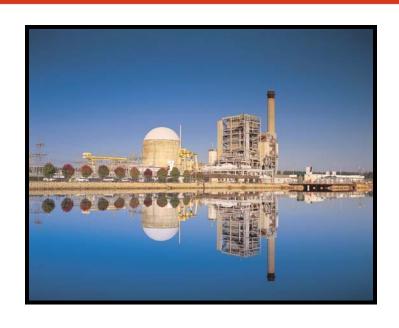


NRC Region II Meeting Robinson Nuclear Plant





April 4, 2006



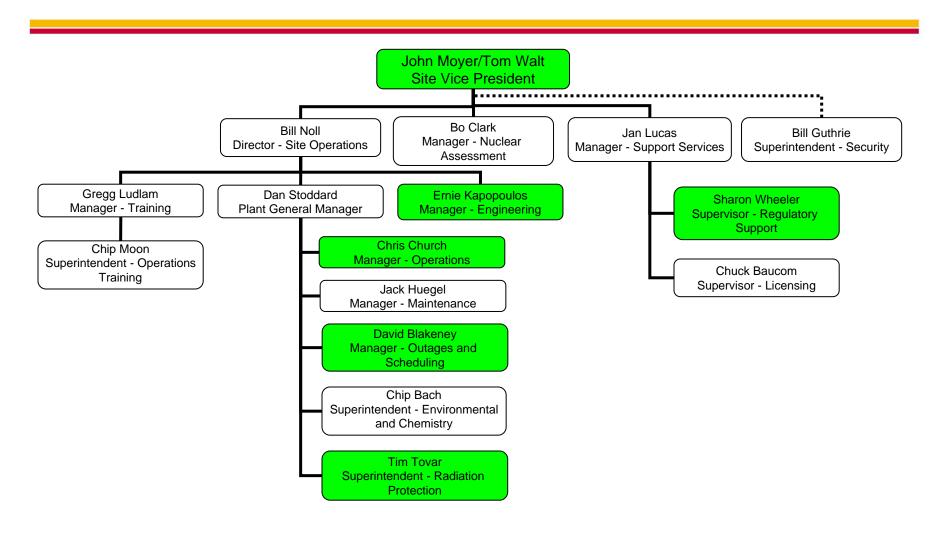
Agenda

IntroductionTo	om Walt
Plant Performance & Recent AccomplishmentsDan S	Stoddard
Engineering ProjectsChris	s Church
Regulatory SupportJa	an Lucas
Training, Organization, & LeadershipGrego	g Ludlam
Closing RemarksT	om Walt





Plant Organization







Plant Performance & Recent Accomplishments

Dan Stoddard
Plant General Manager





2004/2005 Plant Performance

- 2004
 - Capacity Factor 92.07%
 - Forced Loss Rate 0.67%
 - Dose 131.125 Rem
- 2005
 - Capacity Factor 92.77%
 - Forced Loss Rate 0.04%
 - Dose 64.662 Rem





Current Operating Status

Days On-Line

Capacity Factor

Capability Factor

Forced Loss Rate

INPO Index

On-Line Dose

Year To Date

160

106.58%

100%

0%

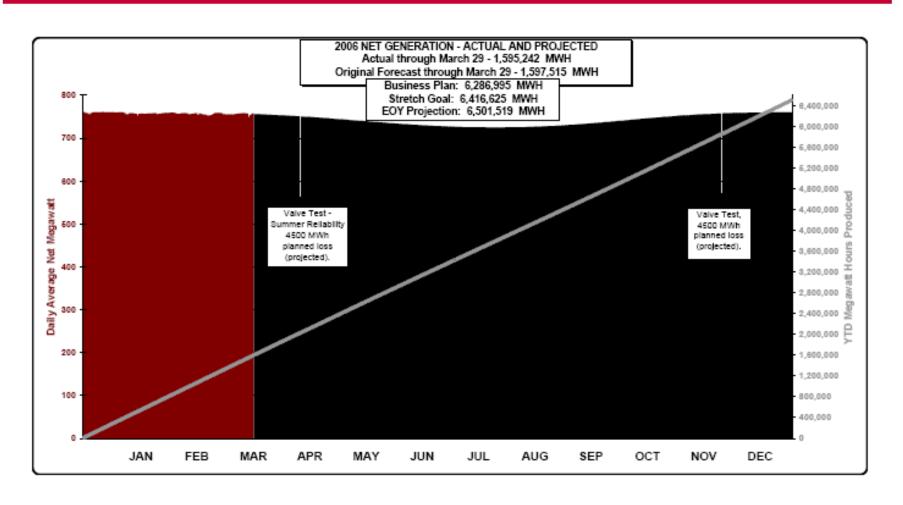
100

1053 mRem





Net Generation







Refueling Outage 23

- September 17 To October 25, 2005
- Scope
 - Polar crane maintenance/modifications
 - Reactor vessel head replacement
 - Upper internals lift rig inspection
 - Refueling
 - Two Appendix R modifications
 - North service water header inspection/repairs
 - Transformer reliability improvements
 - Secondary piping replacement





Refueling Outage 23

- Performance
 - Site level Human Performance Events 0
 - OSHA recordable events 1
 - ▶ Radiation exposure 60.825 Rem
 - Outage duration 38 Days, 8 Hours
 - Clearance errors 0
 - ▶ Fire Brigade response 0
 - Completion of original scope Work Tickets 98%





RPV Head Replacement

- Design Approach
 - Early site input
 - RO-22 walkdowns
 - Designed for installation
- Planning
 - Detailed plan and schedule
 - Equipment hatch transfers
 - Detailed staging and sequencing plan

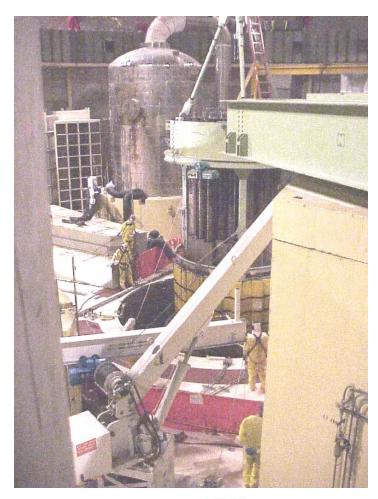






RPV Head Replacement

- Single Piece Forging
- A690 Penetrations
- Welded CRDM Housings
- Simplified Assembly Structure
 - Integral radiation and missile shields
 - Internal air ducts and plenum
 - Quick connect cabling







RPV Head Replacement

- No Recordable Injuries
- Shortest Westinghouse Head-Off To Head-On Schedule
 - 17 days, 19 hours
- Low Exposure
 - 6.891 Rem vs. goal of 9.989 Rem
- Fewest Westinghouse Field Procedure Changes
- Satisfactory NRC Inspection Results
 - Design, NDE, heavy lifts



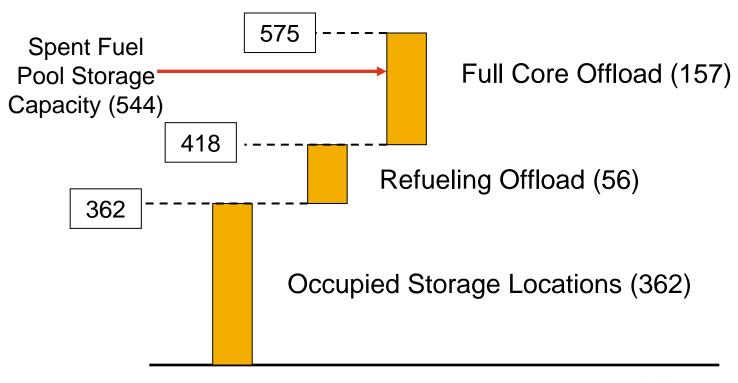








Full Core Offload Capability Would Not Have Existed Following Fall 2005 Refueling Outage







- ISFSI Construction
 - Railroad track relocation
 - Pad construction
 - 10 Horizontal Storage Modules
 - Heavy haul travel path
 - ISFSI Security tie-in to Protected Area







ISFSI Construction







- ISFSI Construction
 - Cask handling crane upgrades
 - Cask handling crane structure
 - Structure steel upgrades and welding
 - Structure pilings









- Spent Fuel Pool Structure
- Cask Preparation Area Construction
- Cask Leveling Plate

ISFSI Construction







- Training And Dry Runs
 - Procedures
 - Welding and vacuum drying formal training and personnel certification
 - NRC inspections
 - Fuel loading, transport, and HSM loading dry runs









Dry Fuel Storage Campaign



24 Fuel Assemblies in Cask



Loaded Cask Going into Cask Prep Area

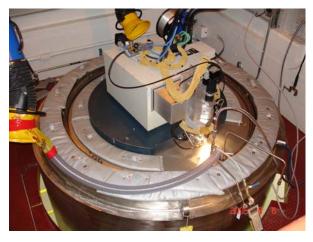






Vacuum Drying

Dry Fuel Storage Campaign



Welding on Inner Lid

Cask Cover Installed









CE Entry Restate

Proposed to the Control of the Co

Loaded Cask

Setting Cask on Transporter

Dry Fuel Storage Campaign





Dry Fuel Storage Campaign



Driving Up New Heavy Haul Path



Aligning Canister

Inserting Canister







- Dry Fuel Storage Campaign Summary
 - Dose projection
 - 1675 mRem per cask; 8 Rem total
 - Actual dose
 - Cask #1: 296 mRem
 - Cask #2: 252 mRem
 - Cask #3: 163 mRem
 - Cask #4: 211 mRem
 - Total for 4 Casks: 922 mRem





- Dry Fuel Storage Campaign Dose Summary
 - Schedule
 - One cask per week as scheduled
 - Full core offload capability sustained
 - Spent Fuel Pool loading supports Security objectives





WANO Evaluation

- Crew Performance Observations
 - Week of January 23
 - Simulator and in-plant
- On-Site Evaluation Completed March 6-17
- Formal Exit On April 13





Engineering Projects

Chris Church
Manager - Engineering





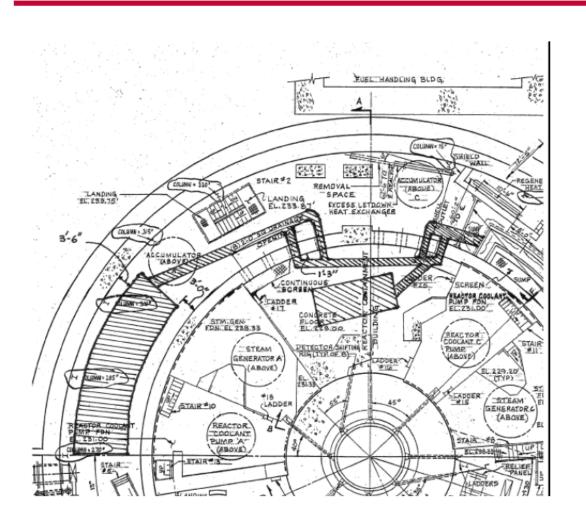
Containment Sump

- Compensatory Measures Implemented (NRC Bulletin 2003-01)
- Progress Toward Issue Resolution (Generic Letter 2004-02)
 - RO-23 inspections
 - Design scoping and laser scanning
 - Latent debris assessment
 - Complete strainer design and install in April 2007 (RO-24)

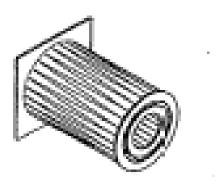




Containment Sump



Expected Design of New Strainer







Fire Protection

- Safe Shutdown Re-Validation Project Continuing (Fleet Solution)
 - Modifications completed during RO-23 to resolve identified vulnerabilities
- Commitment Made To NFPA 805
 Conversion
- Resolution Of HEMYC Concerns





Safety Related Cables To Intake

- Original Cables Direct-Buried, Exhibiting Signs Of Aging
- Replacement Plan For Seismic Duct Bank
 - Study in 2006
 - Design in 2007
 - Implement in 2007/2008
 - ▶ Tie-in during RO-25





Main Generator And Exciter

- Asset Management Plan
- EPRI Study (2005)
- Install Bushings, CTs, And Discharge Monitors In 2007 (RO-24)
- Install Flux Probes, Vibration Instruments, And RTDs In 2008 (RO-25)
- New Exciter Installation
- Refurbish Old Exciter In 2009





Switchyard Transformers

- RO-23 Maintenance
 - TMAP
 - Fault pressure relay upgrade
 - Power cabling
- EPRI Study During 2006
- Long Range Plan For Replacement In 2010/2011





Regulatory Support

Jan Lucas Manager – Support Services





- Broader Role Preparing For The Future
- NRC Bulletin 2005-02
 - Addressed actions for Security-related events
 - Accelerated NRC notification
 - On-site protective measures
 - ERO augmentation
 - EAL revision for Security-based events
 - Drill and exercise program
 - Revised procedures and EALs
 - Completed training of ERO
 - Implementation completed January 10, 2006





- B.5.b Improvements
 - Communications capabilities
 - Notification of fire brigade personnel
 - Staging additional equipment
 - Changes in assembly points
 - Additional mitigation strategies
 - Unified incident command





- EAL Conversion Project
 - NUREG-0654 to NEI 99-01
 - Benefits
 - Schedule
 - ◆NRC submittal targeted for May 2006
 - Seeking NRC approval in January 2007
 - Target implementation in March 2007
 - Graded Exercise second half of 2007





WebEOC

- National Incident Management System (NIMS) recommends adopting standard communications tool
- WebEOC implemented in State and County Emergency Operations Centers
- Implementation at RNP will complete standardization initiative for State of South Carolina
- ▶ Target implementation 3rd Quarter 2006





- Siren Upgrade
 - Progress Energy fleet initiative
 - Siren acoustical study in 2006
 - Siren replacement in 2007





Key Licensing Actions

- Alternative Source Term
 - Large Break LOCA analysis under review
 - Resolves Control Room tracer gas testing results
- Technical Specifications Changes Needed For 2007 Refueling Outage
 - ▶ TSTF-449 (Steam Generator inspections)
 - CV sump surveillance requirement





Training, Organization, & Leadership

Gregg Ludlam

Manager - Training





Operator Training

- License Class HLC-06 In Progress
 - Generic Fundamentals completed
 - NRC examination prep week scheduled for January 2007
 - NRC examination scheduled for February 2007
- Requalification Program Inspection Scheduled For February 2007





Managing Transition

- Voluntary Early Retirement 32 Employees
 - Effective planning and execution utilized
 - 83 out of 394 people are in new positions (21% of work force)
 - New employees indoctrinated into RNP culture





Managing Transition

- Change Management Plan
 - Transition of knowledge
 - Tracking of qualifications
 - New employee orientation
- Succession Planning
 - Mentoring program
 - Succession planning interviews





10 Key Convictions

- 1. We will value our employees.
- 2. We will maintain managerial integrity.
- 3. We will focus on safety and quality.
- 4. We will be the first to find our problems.
- 5. We will have a robust Corrective Action Program.
- We will understand and rigorously maintain our Design and Licensing Basis.
- 7. We will have objective performance measures.
- 8. We will continually benchmark ourselves against the industry leaders.
- 9. We will actively groom a healthy regulatory interface.
- 10. We will have a meaningful succession plan.







RNP 2006 Priorities





Closing Remarks



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