

Harris Nuclear Plant Meeting with NRC management

September 8, 2005



Progress Energy

Introductions

- Bob Duncan, Director - Site Operations
- Eric McCartney, Plant General Manager
- Ed Wills, Manager – Operations
- Sean O'Connor, Manager - Engineering
- Kelvin Henderson, Manager - Maintenance
- Dave Corlett, Supervisor – Licensing / Regulatory Programs

Plant General Manager

Eric McCartney



Continuity of Leadership

- Topics of discussion today
 - ◆ Continued confidence in leadership team
 - ◆ Continued focus on nuclear safety

Rebuilding the Team

- Early retirement program (VERP)
 - ◆ On-going VERP meetings
 - ◆ Process for knowledge transfer (PM-23)
 - ◆ Domino effect for filling positions created three times the number of changes
- Teambuilding projects
 - ◆ Understanding diversity
 - ◆ Community projects

Rebuilding the Team

- The succession plan was successful
 - ◆ Vacancies were filled quickly
- Assuring continuity
 - ◆ Critical positions were identified
- Leadership development
 - ◆ Filled Support Services manager early
 - ◆ Personnel development from orientation through leadership development

Nuclear safety philosophy

- Fix the plant
- Focus on fundamentals
 - ◆ Operator knowledge
 - ◆ Maintenance ownership
 - ◆ Engineering ownership
- Risk reduction:
 - ◆ Plant modifications
 - ◆ During shutdown, protecting the running train of RHR vs. having a protected train

Operations

Ed Wills



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Operator Pipeline

- Selection criteria for new operators
- Orientation
- Career path begins as non-licensed operator
- Direct SRO candidates
- 31 people are in training

Four Focus Areas

- Core Business
 - ◆ Fundamentals
 - ◆ Technical curiosity
 - ◆ Maintaining safety margin
 - ◆ Leading the station
- People
- Status control
- Backlog

Operator Academic Performance

- Classroom performance is monitored
- Periodic training review boards
- Academic review boards if intervention is needed at the individual level

Engineering

Sean O'Connor



Nuclear Safety Philosophy

- Issue ownership
 - ◆ System health
 - ◆ Technical leadership
 - ◆ Product quality
 - ◆ Fixing the plant

Safety System Performance

- High Head Safety Injection
 - ◆ Most unavailability was planned
 - ◆ Modifications are the solution
 - ◆ CSIP oil sampling modification is complete
 - ◆ CSIP transfer switch is planned for RFO-13

Participation with industry peers

- Alloy 600 inspections
- Meggitt cable testing
- Emergency diesel generator governor coupling

Fire Protection strategy

- SSD Validation Project
 - ◆ Used on-line PRA to select most important modifications for RFO-13
- Overall layered approach
 - ◆ Compensatory measures
 - ◆ Control of combustibles
 - ◆ Rigorous testing
- NFPA 805 transition

FP Related Modifications

- Completed Modifications
 - ◆ CCW valve re-power in RFO-12(RCP seal cooling)
 - ◆ AFW valve re-power
 - ◆ Ventilation dampers
 - ◆ RWST Level Indication on-line portion
- Modifications planned for RFO-13
 - ◆ Install manual transfer switch for CSIP
 - ◆ VCT valve rewire (Meggitt Cable)
 - ◆ Re-Power 1CC-252 (RCP seal cooling)
 - ◆ Cable protection for 1CH-279

Hemyc/MT Fire Wrap

- NRC tests in 2005 identified concern for fire resistance capability of Hemyc and MT wrap
- NRC test used commercially available fabric which is not used at HNP
- Progress Energy conducted additional testing using wrap installed at HNP
 - ◆ Results showed that joints were not exposed due to fabric shrinkage
 - ◆ Applying the lessons learned from Meggitt cable testing program

Planning for the future

- Engineering succession plan worked
 - ◆ Supported site leadership needs
 - ◆ Diversity in new engineers
 - ◆ Retooling the training program
 - ◆ TPC
 - ◆ Training needs
 - ◆ Leadership development

Maintenance

Kelvin Henderson



Maintenance Ownership

- Drivers
 - ◆ Equipment reliability
 - ◆ ZTEF Culture Shift
- Core Team Composition

Maintenance Ownership

- Vision Statement
 - ◆ *“Nuclear Maintenance Professionals committed to working together, interfacing with other work groups, using personal involvement, knowledge, and skills, to take equipment reliability to the highest level”.*
- Actions taken to date

Results

- Leak reduction
 - ◆ Focus on nuclear and personal safety
 - ◆ Systems integrity – Primary and Secondary
 - ◆ Repair and prevention
 - ◆ 1RC-106

Corrective Action Program

Dave Corlett



Direction of CAP

- Line organization ownership
- Fleet consistency for trending
- Direction – Predict the next event
 - ◆ Upgraded the CAP program owner position to ensure a high talent level
 - ◆ Improve the analysis of data to become more predictive in nature

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Closing Comments

