

**U.S. NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

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# **STATUS OF NEW REACTOR ISSUES**

**April 17, 2007**

**William Kane, Deputy Executive**

**Director for Reactor and  
Preparedness Programs**

# **Agenda**

- **Overview of New Reactor Status**
- **Environmental Reviews**

# **Activities Update**

- **Completed**
  - **Two early site permits issued**
  - **Updated Standard Review Plan and Regulatory Guides**
  - **Staffing and Training**
  - **Technical Assistance Contracting framework**

# Activities Update

- **On-going**
  - **Process for Early Resolution of Design Acceptance Criteria**
  - **ESBWR design certification review**
  - **Pre-Combined license interactions**
  - **Licensing Program Plan**

# **Near Term Activities**

- **North Anna Early Site Permit**
- **Rulemaking**
  - **Part 52 (new reactor requirements)**
  - **Part 26 (fitness for duty)**
  - **Limited work authorization**
  - **Part 73 (security requirements)**

# **Workload Forecast Changes**

- **TXU Power**
  - **US Advanced Pressurized Water Reactor**
- **Amarillo Power**
  - **Evolutionary Power Reactor**
  - **No early site permit**
- **Regulatory Issue Summary**

# **Workload Forecast Changes**

- **FP&L**
  - **Turkey Point - Potential Site**
- **Ameren UE – Callaway Plant**
  - **Evolutionary Power Reactor**

# **Environmental Reviews**

- **Environmental review process**
- **Lessons learned from early site permit reviews**
- **Preparation for combined license reviews**
- **Pre-application interactions**
- **Challenges**



# **Environmental Review Process**

- **Scoping**
- **Draft Environmental Impact Statement**
- **Resolution of comments**
- **Final Environmental Impact Statement**
- **Hearing**

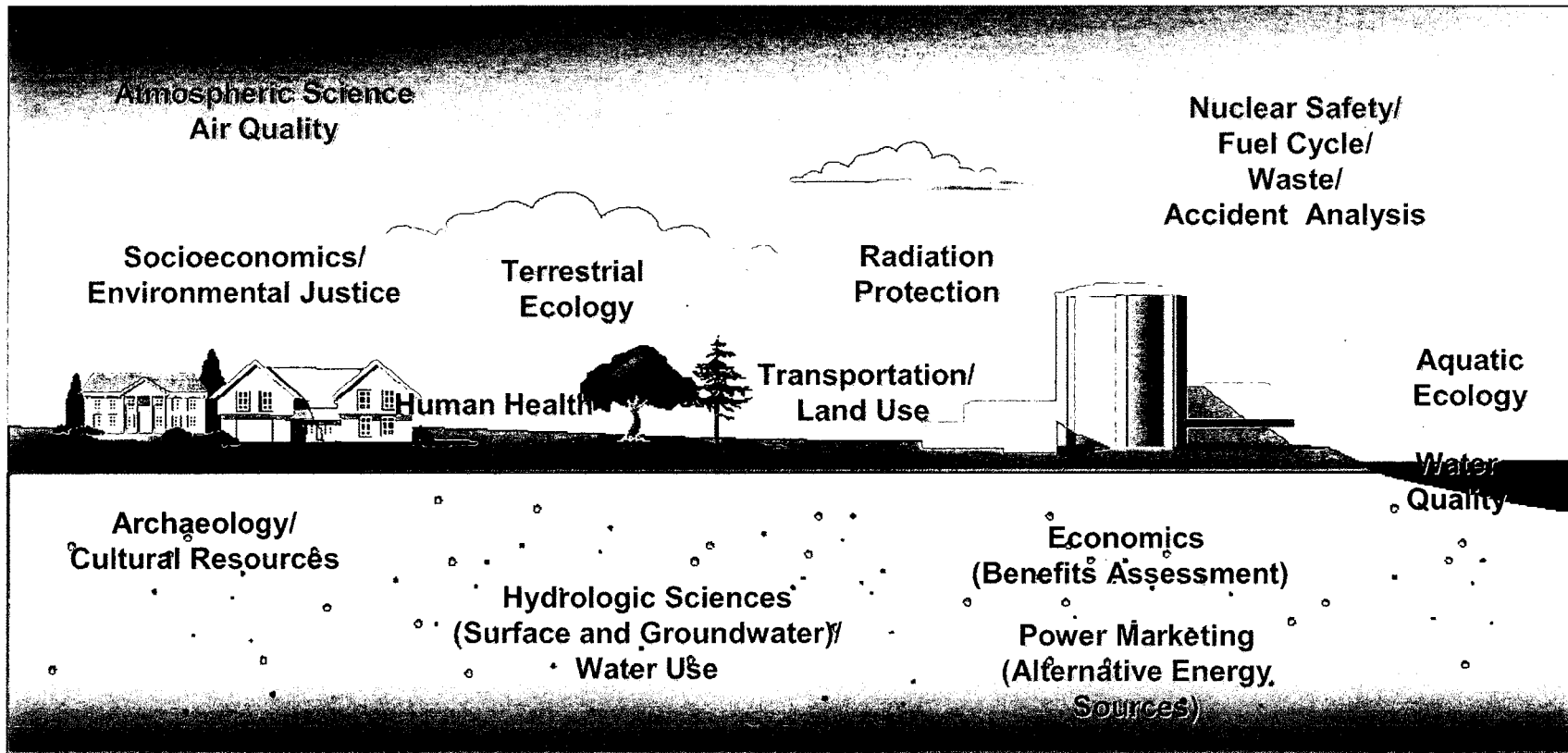
# **Lessons Learned from ESPs**

- **Applicant related issues**
  - **Quality of submittal**
  - **Timeliness of responses to requests for additional information**
  - **Timeliness of interactions with State agencies**

# Lessons Learned from ESPs

## NRC staff related issues

- Training for staff and contractors



# **Lessons Learned from ESPs**

## **NRC staff related issues**

- **Leveraging technical assistance contractors**
- **Use of site audits**
- **Improved comment capture/resolution**
- **Clearly articulated logic for positions**
- **Identification of variances from guidance**

# **Preparation for Combined License reviews**

- **Contracts in place**
- **Interagency Agreements**
- **Updating Environmental Standard Review Plan (NUREG-1555)**
- **Knowledge Management**

# **Status of Pre-Application Interactions**

- **Purpose**
- **Planned Activities**

**Bellefonte**

**Summer**

**Lee Station**

**Shearon Harris**

**South Texas**

# Challenges

- **Staffing and training**
- **Guidance development related to Part 52 revisions**
- **Continuity of funding**

# Acronyms

- **ESP – Early site permit**
- **ESBWR – Economic simplified boiling water reactor**