

U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

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**

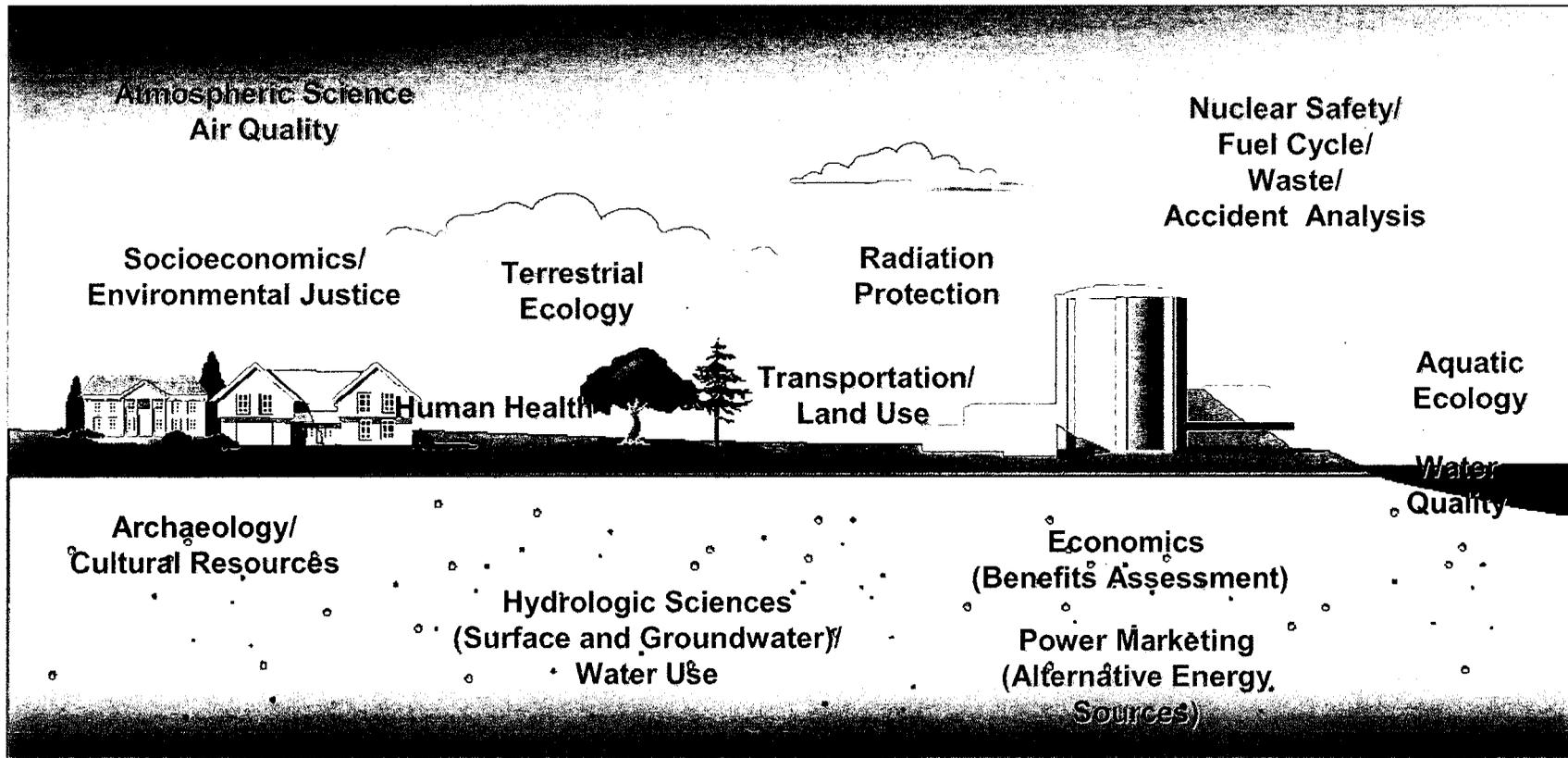
Lessons Learned from ESPs

- **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**