

COMMISSION BRIEFING SLIDES/EXHIBITS

**BRIEFING ON LICENSE RENEWAL
PROG., POWER UPRATE ACTIVITIES,
AND HIGH PRIORITY ACTIVITIES**

OCTOBER 15, 2003



COMMISSION BRIEFING

Selected Programs and Technical Issues

**Office of Nuclear
Reactor Regulation**

Opening Remarks

- **Focus on Safety**
- **Importance of Communications**

Presentations

- **Reactor License Renewal**
- **Reactor Power Upgrades**
- **Rulemaking**
- **Reactor Materials Issues**
- **PWR Sump Performance**
- **Browns Ferry Unit 1 Restart**
- **New Reactor Licensing**

Reactor License Renewal

- **Primary Focus is Safety of Plant Operations**
- **Program Status**
 - **Completed - 8 applications for 18 units**
 - **Under review - 8 applications for 15 units**
 - **Future submittals scheduled**
 - **FY 2004, 7; FY 2005, 7; FY 2006, 5**

Reactor License Renewal

- **Program Goal**
 - **12 applications under review at any time**
 - **6 new applications per year**
- **Guidance Document Development**
- **New Review Process**
 - **Multi-discipline project teams**
 - **Audit of Aging Management Reviews**
 - **Three Pilot Plants**

Reactor Power Uprates

- **Measurement Uncertainty
Recapture Power Uprates**
- **Stretch Power Uprates**
- **Extended Power Uprates**

Reactor Power Upgrades

Performance Since January 1, 2003

Type	Timeliness Goal (Months)	Actual Timeliness Performance (# that Met Goal of Total)
MUR	6	5 of 7*
Stretch	9	1 of 1**
EPU	12	None Completed

* Approval of Hatch Units 1 and 2 delayed until questions regarding safety were addressed.

** Completed in greater than 9 months. Met licensee's implementation schedule

Reactor Power Upgrades

- **Process Improvements**
 - **Review Standard (SECY-02-0106)**
 - **Effectiveness & Efficiency (SECY-02-0115)**
- **Challenges**
 - **Steam Dryer Cracking**
 - **Ultrasonic Flow Instrumentation**
 - **Interpretation of Topical Reports**

Rulemaking

- **Rulemaking Coordinating Committee Task Force (SECY 03-0131)**
- **Process Improvements**
 - **Centralize NRR rulemaking responsibility**
 - **Develop technical basis before rulemaking**
 - **Goal: Rule Plan, Proposed Rule, & Final Rule completed in 24 Months**

Materials Issues

- **Materials Degradation**
- **Industry Actions**
 - **Materials Executive Oversight Group**
 - **Institute of Nuclear Power Operations (INPO)**
- **Regulatory Response**
 - **Generic Communications**
 - **Codes and Standards**
 - **Research**

PWR Sump Performance

- **Status of ongoing actions to ensure safety**
 - **Technical Assessment Completed**
 - **Risk Assessment Completed**
 - **Bulletin 03-01 Issued June 2003**

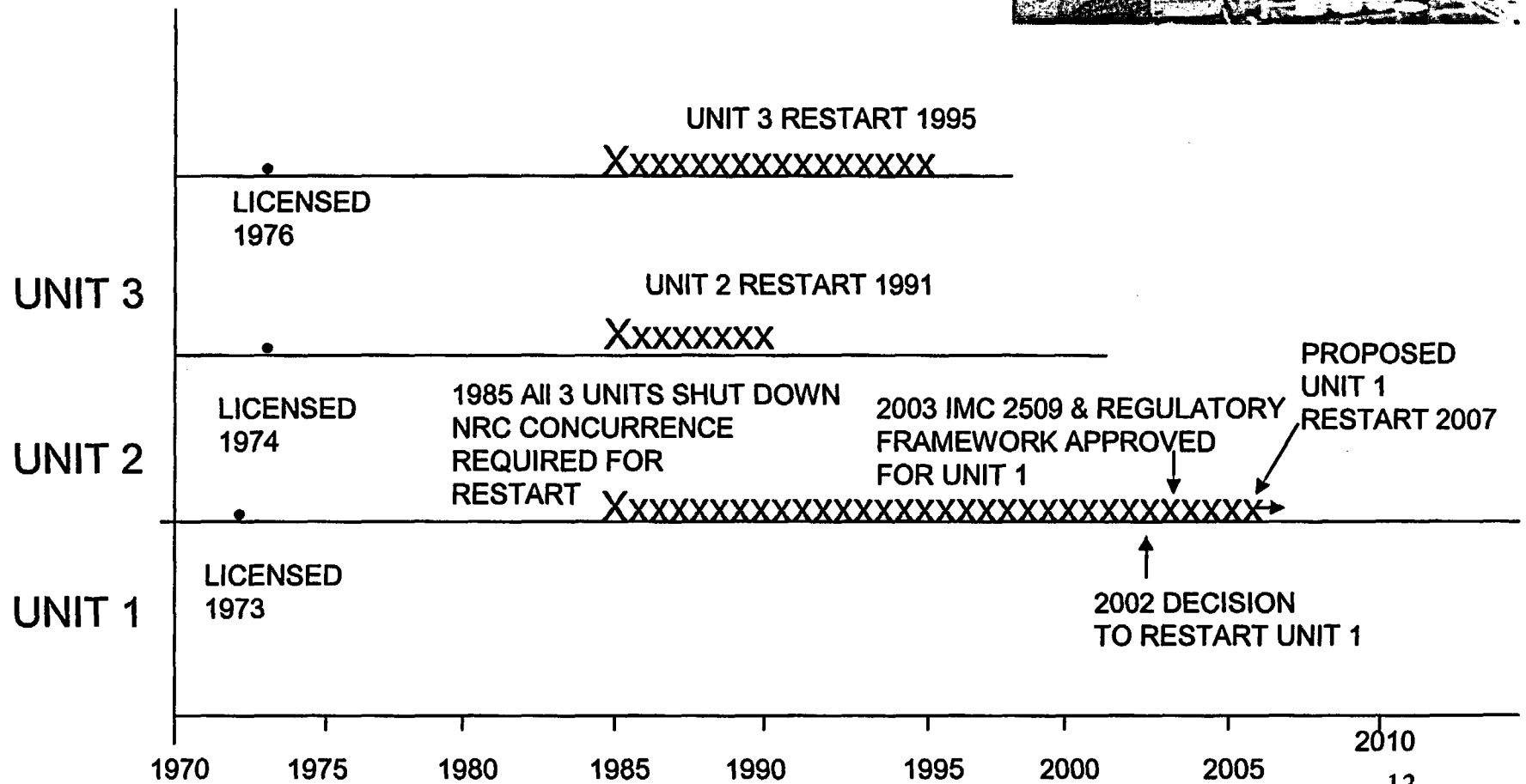
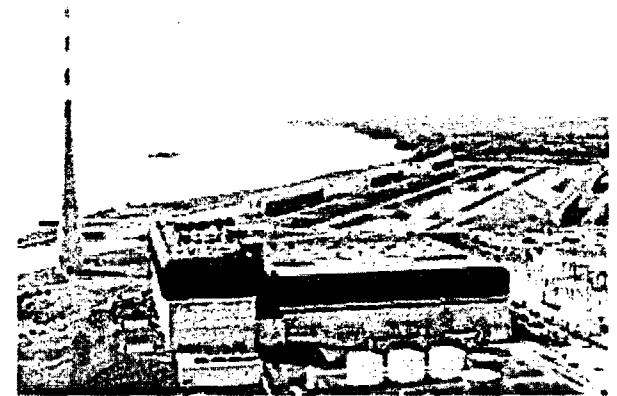
PWR Sump Performance

- **Challenges**
 - **Communications with Stakeholders**
 - **Generic Letter Issuance**
 - **Final Resolution**



Background

Browns Ferry Restart



Browns Ferry Unit 1 Restart

- **Current Status**
 - **Project Status**
 - **Inspection Manual Chapter and Regulatory Framework**
 - **Inspection and Licensing Activities**
- **Challenges**
 - **Extended Power Uprate**
 - **License Renewal for Three Units**

New Reactor Licensing

- **Program Status**
 - **Early site permit applications**
 - **AP1000 design certification review**
 - **Preapplication reviews**
 - **Regulatory infrastructure**

New Reactor Licensing

- **Challenges/Emergent Issues**
 - **Integrating ESP reviews with license renewal reviews**
 - **ESP seismic issues**
 - **ACR-700 testing**
 - **Preparation for combined license applications**