



# **2005 DECOMMISSIONING PROGRAM BRIEFING**

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# **Topics**

- **Decommissioning Program**
- **Accomplishments**
  - **Safety**
  - **Security**
  - **Openness**
  - **Effectiveness**
- **Issues from 2004 Briefing**
- **Upcoming Issues/Challenges**
- **Path Forward/Summary**

# **Acronyms**

- **NSIR – Office of Nuclear Security and Incident Response**
- **KVWPCA – Kiski Valley Water Pollution Control Authority**
- **EPA – Environmental Protection Agency**
- **MOU – Memorandum of Understanding**
- **MDNR – Michigan Department of Natural Resources**
- **LTC – Long Term Control**
- **LA/RC – Legal Agreement/Restrictive Covenant**
- **LTP – License Termination Plan**
- **BRP – Big Rock Point**
- **YR – Yankee Rowe**
- **IC – Institutional Controls**
- **SRM – Staff requirements Memorandum**

# **NRC Decommissioning Program**

- **Office of Nuclear Material Safety and Safeguards**
  - **Division of Waste Management and Environmental Protection**
  - **Division of Fuel Cycle Safety and Safeguards**
- **Office of Nuclear Reactor Regulation**
- **Regions**
- **Office of General Counsel**
- **Office of Nuclear Regulatory Research**

# **Decommissioning Universe**

- **18 Power Reactors**
- **17 Research and Test Reactors**
- **38 Complex Materials Sites**
- **12 Uranium Recovery Sites**
- **3 Fuel Cycle Sites with Partial Decommissioning**

# **Decommissioning Program Objectives**

- **To ensure that sites are decommissioned to be protective of public health and safety, so that they may be available for future use**
- **Continuously seek opportunities to improve the manner in which we regulate the decommissioning of nuclear facilities**

# **Safety Accomplishments**

- **2 License Termination Plan reviews and approvals**
- **4 Decommissioning Plan reviews and approvals**
- **50+License amendments/licensing actions**
- **4 Final Status Survey Reviews**
- **Inspections**
- **10 completions/terminations**

# Maine Yankee - Before





# Maine Yankee - During



# Maine Yankee - After



# **Security Accomplishments**

- **Support to NSIR**
  - **2 Orders**
  - **1 Commission paper**
  - **Licensee correspondence**
- **Inspections**

# **Openness Accomplishments**

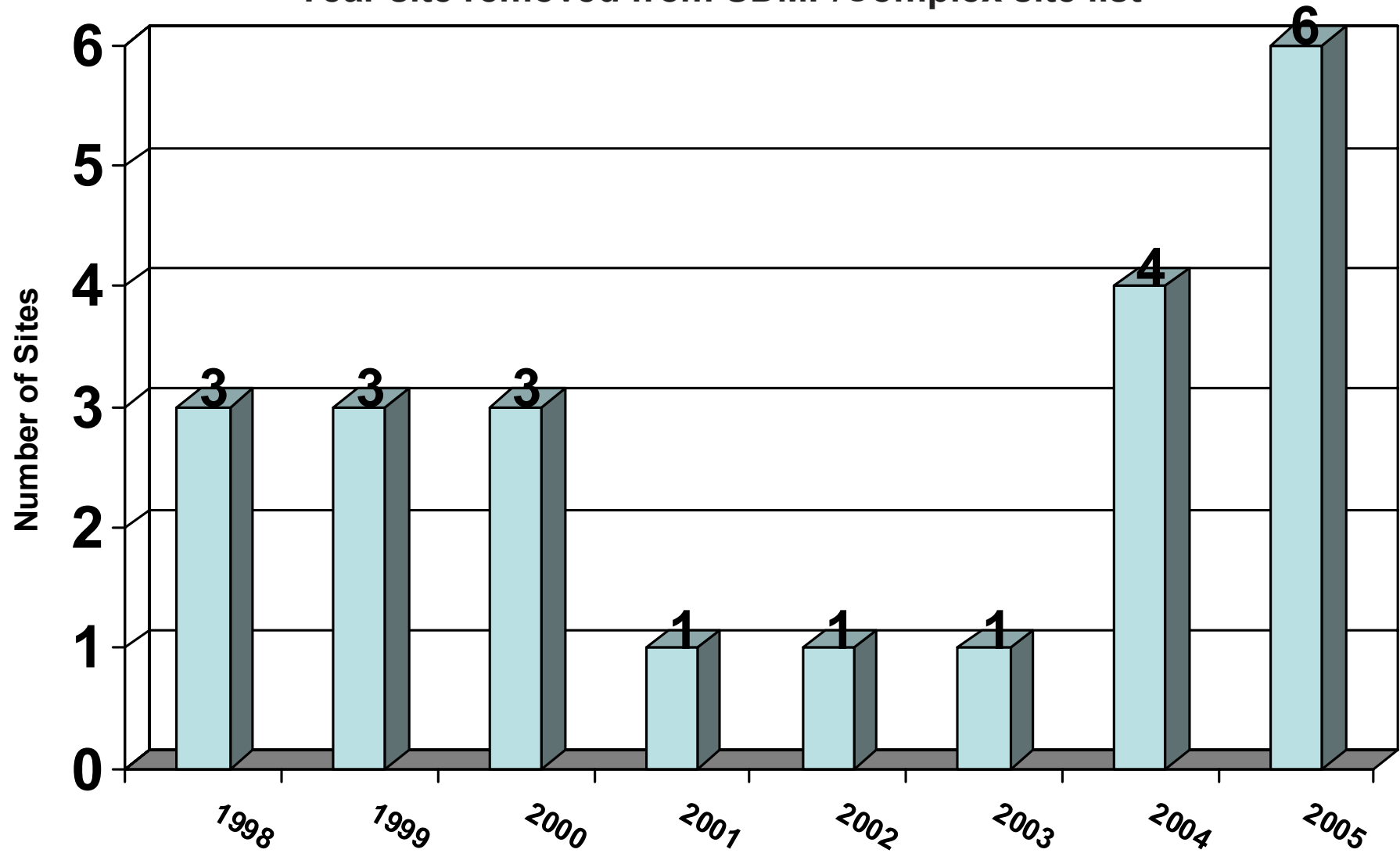
- **Site & Issue Specific Communications Plans**
- **2004 Annual Report – NUREG-1814**
- **Website Enhancements**
- **Decommissioning Brochure**
- **Meetings/Workshops**
- **International Activities**

# **Effectiveness Accomplishments**

- **Effective**
  - **Flexible: KVVWPCA, Shieldalloy, Trojan/MY, Safetylight**
- **Efficient:**
  - **Risk-Informed: 20.2002 disposals, Rulemaking to prevent future legacy sites**
  - **Finality: EPA MOU**
  - **Process Improvements**

# Effective/Efficient – Complex Sites

Year site removed from SDMP/Complex site list

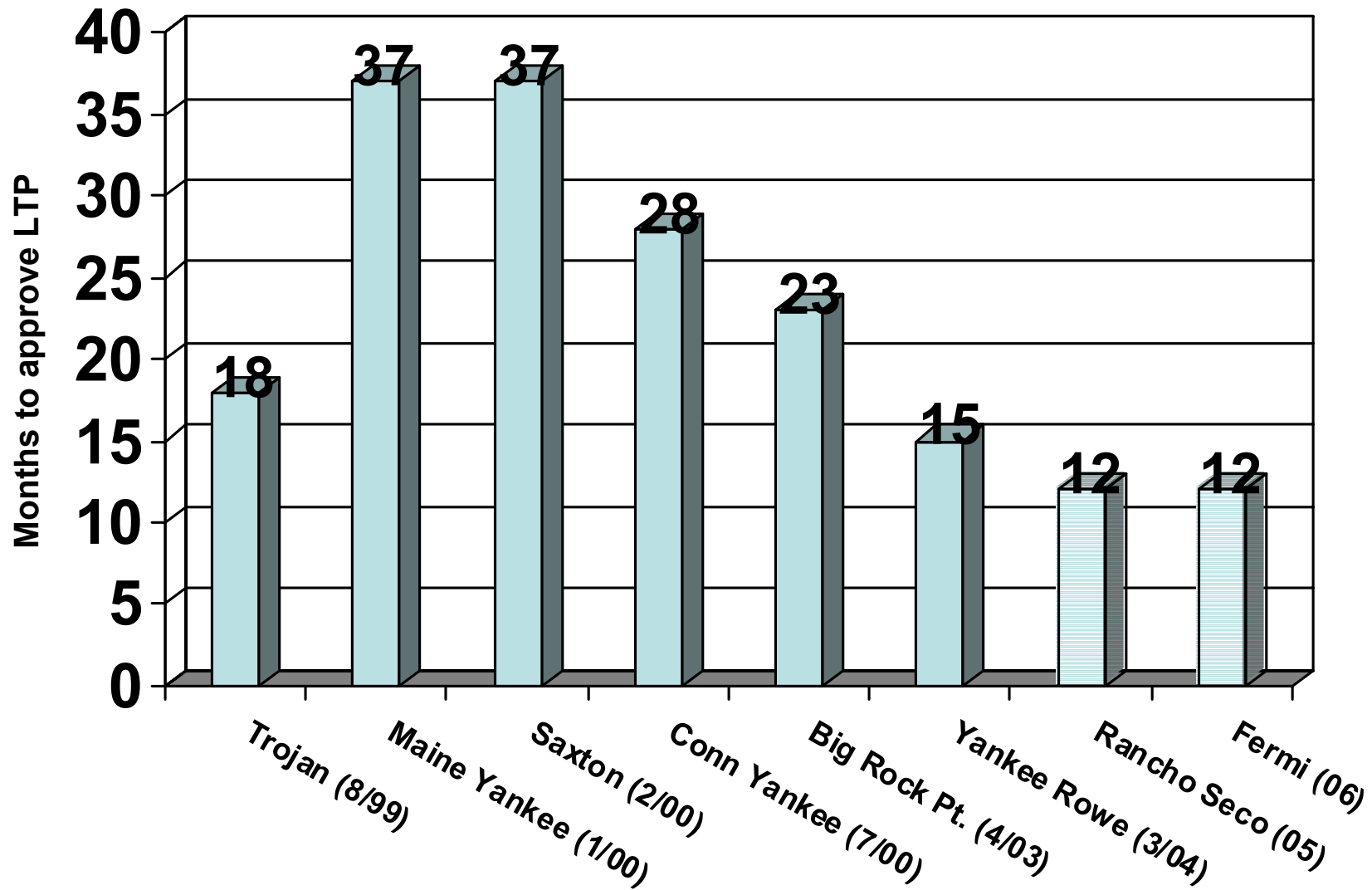


# **Effectiveness Accomplishments**

- **Realistic**
  - **Realistic Scenarios: MDNR, Cabot, KVVPCA, SCA Holdings**
  - **Restricted Release options: LTC, LA/RC**
- **Timely**
  - **LTP reviews: BRP, YR**

# Timeliness - Reactors

Site (LTP submitted)





# **Commission SRM**

- **Capture and share lessons learned**
- **Improve radiological monitoring**
- **Provide finality**
- **Improve consistency**
- **Enhance guidance for flexibility and ICs**

# **Issues/Challenges**

- **Sites:**
  - **AAR**
  - **Shieldalloy**
  - **Salmon River**
- **Issues:**
  - **Grandfathered sites**
  - **Knowledge Management**

# **Path Forward**

- **Continuous Improvement through the Integrated Decommissioning Improvement Plan**
- **2006 Office of Management and Budget Performance Assessment Rating Tool Evaluation**
- **Identifying, Documenting, and Incorporating Lessons Learned**

# **Summary**

- **Decommissioning Program has Matured and is Showing Results of its Improvements**
- **Technical and Policy Challenges Remain**
- **Improvements Continue to be Identified and Implemented**