



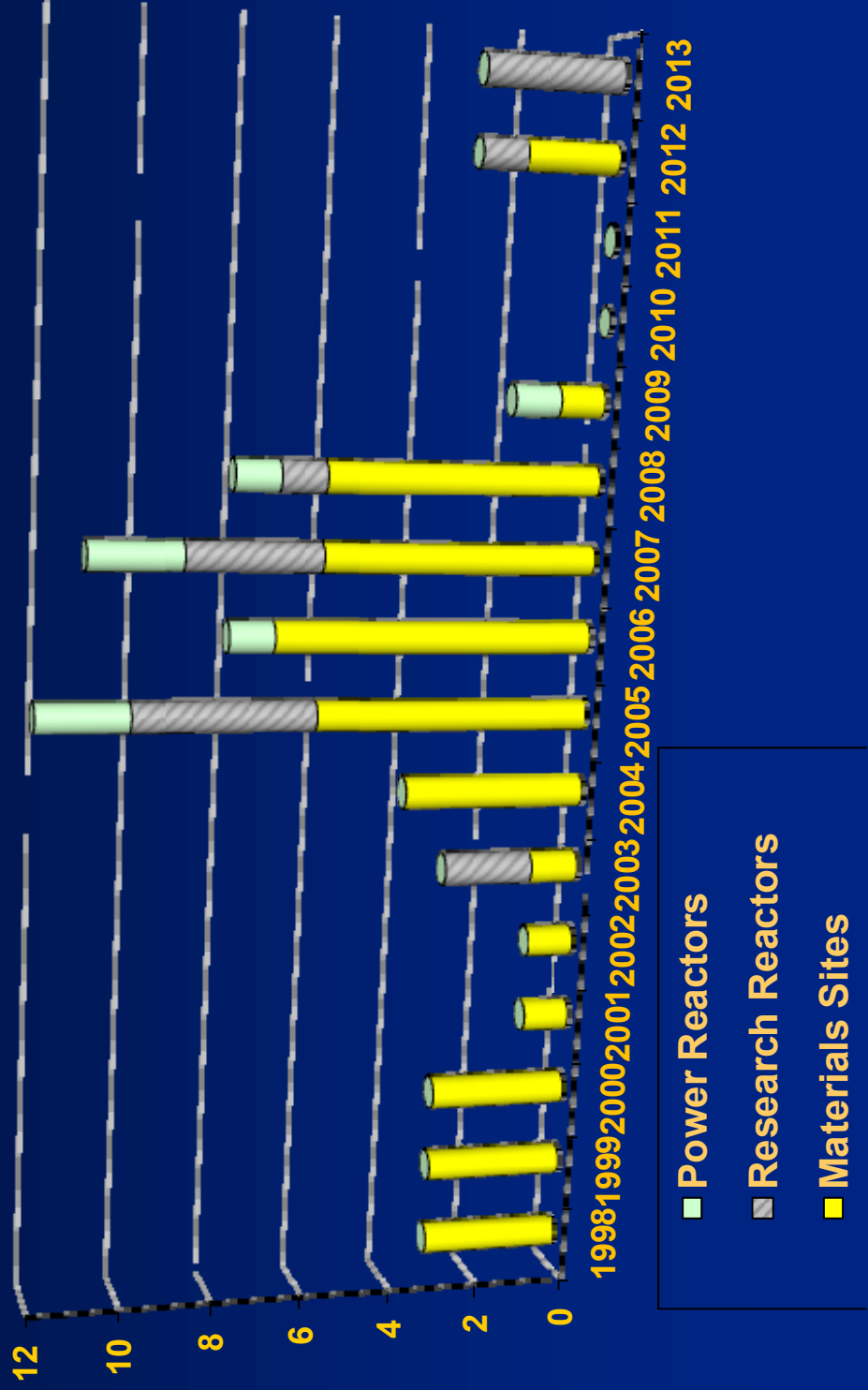
United States Nuclear Regulatory Commission

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## **Three Mile Island - 2 Post Shut Down Activities Report Public Meeting**

*Bruce Watson, CHP  
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U.S. Nuclear Regulatory Commission,  
Washington, D.C. 20555*

# US NRC Decommissioned Facilities



## Agenda

- Discuss the NRC Decommissioning Process
- Discuss the TMI-2 Post Shutdown Decommissioning Activities Report (PSDAR)
- Discuss the NRC Inspection Process
- Hear public comments on PSDAR



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# **Three Mile Island, Unit 2 Post-Shutdown Decommissioning Activities Report**

John Buckley

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## **NRC Decommissioning Process**

- Permanently cease operations
- Certify permanent cessation of operations
- Certify fuel removed from reactor
- Submit PSDAR (within 2 years)
- SAFSTOR and/or plant decommissioning
- Application for license termination (LTP)
- License termination

## TMI-2 Decommissioning Process

- The March 28, 1979, accident made the shutdown of TMI-2 different from all other reactors.
- NRC approved PDMS SAR on September 14, 1993, with License Amendment 45.
- GPU submits PSDAR on June 28, 2013, to establish compliance with 50.82.

## **PSDAR Requirements**

- **10 CFR 50.82(a)(4)**
- **PSDAR describes:**
  - **planned decommissioning activities**
  - **decommissioning schedule**
  - **cost estimate for the decommissioning**
  - **environmental impacts of decommissioning**

## PSDAR Review Process

- NRC notices receipt of PSDAR & requests public comments
- NRC schedules PSDAR public meeting
- NRC considers public comments
- Review PSDAR in accordance with Regulatory Guide 1.185
- PSDAR does not require NRC approval



## PSDAR Review Criteria

- Decom can be completed as described
- Decom can be completed within 60 years
- Decom can be completed for the estimated cost
- Decom activities do not endanger public health and safety or the environment

## PSDAR Highlights

- Decommissioning of TMI-2 will start after TMI-1 operating license expires in April 2034
- TMI-2 will be maintained in current PDMS mode until decommissioning begins
- TMI-2 license termination will occur before September 2053 (60 years after cessation of operations)
- Decommissioning costs are estimated to be \$844,885,000 (based on 2008 dollars)
- Environmental impacts of planned decommissioning activities are bounded by impacts associated with post-accident cleanup activities and GEIS

## Conclusion

- NRC received a PSDAR for TMI-2 on June 28, 2013
- Although NRC is not required to approve the PSDAR by regulation, NRC will review the PSDAR
- NRC will consider the public comments in its review of the TMI-2 PSDAR



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# Three Mile Island - Unit 2 Decommissioning Power Reactor Oversight Program

**PSDAR Public Meeting August 28, 2013**

Laurie A. Kauffman

Health Physicist

Division of Nuclear Materials Safety Region I

## **Decommissioning Power Reactor Oversight Program**

- Decommissioning power reactor inspection program is described in Inspection Manual Chapter 2561
- Annual Inspection performed by Region I staff
  - Verify controls and methods for safe storage of radioactive material and structures at permanently shutdown reactors

## TMI-2 SAFSTOR PROGRAM

- No ongoing decommissioning activities
- Material condition of components remain unchanged
- Safe storage programs being conducted according to Technical Specifications and site procedures
- NRC Inspection Reports are located in ADAMS  
<http://www.nrc.gov/reading-rm/adams.html>



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