

**NRC Meeting on Environmental Scoping  
Opportunity for Public Comments  
Watts Bar Nuclear Plant Unit 2  
Docket No. 50-391**

**October 6, 2009**



# **Safety and Environmental Review Operating License Application**

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## Introduction

- Presentations by:
  - Office of Nuclear Reactor Regulation, Rockville, MD
    - Watts Bar Special Projects Branch
    - Environmental Review Branch
  
- Purpose of the Meeting
  - Establish an early and open process for determining the scope of issues to be addressed and for identifying the significant environmental issues related to the proposed operation of Watts Bar Unit 2
  - 10 CFR Part 51

## Brief History of License Application

- TVA Environmental Impact Statement Nov 1972
- Construction Permit Jan 1973
- Operating License (OL) Application Jun 1976
- NRC Environmental Statement Dec 1978
- NRC Supplement to Environmental Statement Apr 1995
  - for WBN Unit 1
- Operating License for Unit 1 Nov 1995
- Notice of Plan to Reactivate Unit 2 Aug 2007
- TVA Supplement to Environmental Impact Statement Jul 2008
  - for Unit 2
- TVA Update of OL Application Mar 2009

## Summary

- Safety Evaluation Report
  - Safety Review
  - Environmental Review
  - Security and Emergency Preparedness
- Advisory Committee on Reactor Safety
- Construction Inspection
- Commission

# Environmental Review

- **National Environmental Policy Act (NEPA)**
  - Federal decision making
  - Public disclosure of environmental impacts and other considerations
- **NRC's Environmental Regulations**
  - 10 CFR Part 51

# Environmental Review

- **Staff prepares an Environmental Impact Statement**
- **NRC Considers, Analyses, and Evaluates the Environmental Impacts of Issuing the Operating License**

# Purpose of an EIS

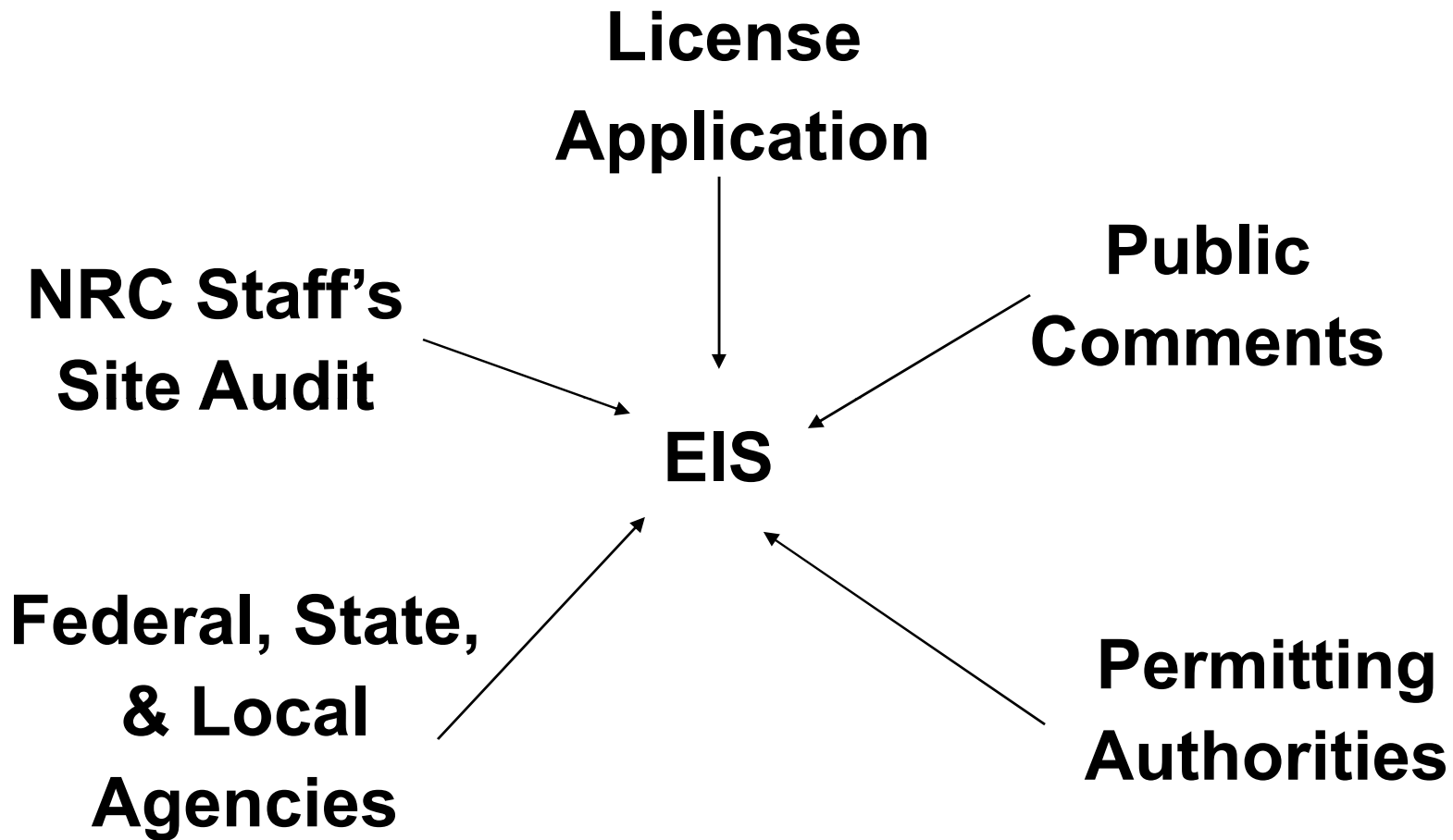
- **Action-forcing device to insure that policies and goals defined in National Environmental Policy Act (NEPA) are infused into the ongoing programs and actions of the Federal Government**
- **Focus on significant environmental issues and alternatives**
- **Provides full and fair discussion of these impacts**
- **Informs decision-makers and public of the reasonable alternatives which would avoid or minimize adverse impacts or enhance quality of the human environment**



# Environmental Review

- **Staff Evaluates Impacts to Resources**
  - **Wildlife and Fish**
  - **Water and Air Resources**
  - **Historical or Cultural Resources**
  - **Taxes, Community Development, Environmental Justice**
  - **Human Health**
  - **Land Use**

# Information Gathering



# Environmental Review

- **Watts Bar Units 1 and 2 Final Environmental Statement was Issued in December 1978**
- **The Current Environmental Review is being Conducted to Update the Findings of the 1978 FES.**

# Environmental Review

- **Regulatory Requirements For Environmental Reviews are Found in 10 CFR Part 51**
- **NRC Staff Guidance is Found in NUREG-1555 “Environmental Standard Review Plan”**

# **Environmental Review Process**

- **Environmental Scoping Activities**
- **Public Meeting - Environmental Scoping**
- **Perform Review and Evaluation of Information**
- **Draft Environmental Impact Statement**
- **Public Meeting - Comments on Draft Environmental Impact Statement**
- **Final Environmental Impact Statement**

# Scoping Comments

- **Must be Provided by October 30, 2009**
- **By Mail**
  - Chief, Rulemaking and Directives Branch,  
Division of Administrative Services, Office of  
Administration, Mailstop TWB–05B01, U.S.  
Nuclear Regulatory Commission,  
Washington, DC 20555–0001
- **By E-mail**
  - [RidsNrrPMWattsBar2.Resource@nrc.gov](mailto:RidsNrrPMWattsBar2.Resource@nrc.gov)



**Thank You**

**Operating License Review  
Watts Bar Nuclear Plant Unit 2**