



**PUBLIC SCOPING MEETING**  
**USEC'S PROPOSED**  
**AMERICAN CENTRIFUGE PLANT**

January 18, 2005

Piketon, Ohio

# Meeting Objectives

- NRC's Role and Responsibility
- NRC Review Process
  - Safety and Security Review
  - Environmental Review
- Questions
- Public Comments

# Who is the NRC?

- **INDEPENDENT** Federal agency
- Report directly to **CONGRESS**
- Regulatory **RESPONSIBILITY**
  - Safety and security review
  - Environmental review
  - Licensing
  - Inspection
  - Enforcement



# NRC's Role

- All nuclear projects must meet strict safety, security, and environmental requirements
- After the requirements have been met, the license is issued



# NRC's Review Process

- 3 Reviews are performed
  1. Safety review documented in Safety Evaluation Report (SER)
  2. Security review documented in SER
  3. Environmental review documented in Environmental Impact Statement (EIS)



**NRC  
strives to  
maintain  
openness  
in license  
review**

# Public Involvement

- Comment periods
- Public meetings
- Atomic Safety & Licensing Board Hearing
  - Hearing covers both safety and environmental issues





# Environmental Review

Matthew Blevins  
Project Manager

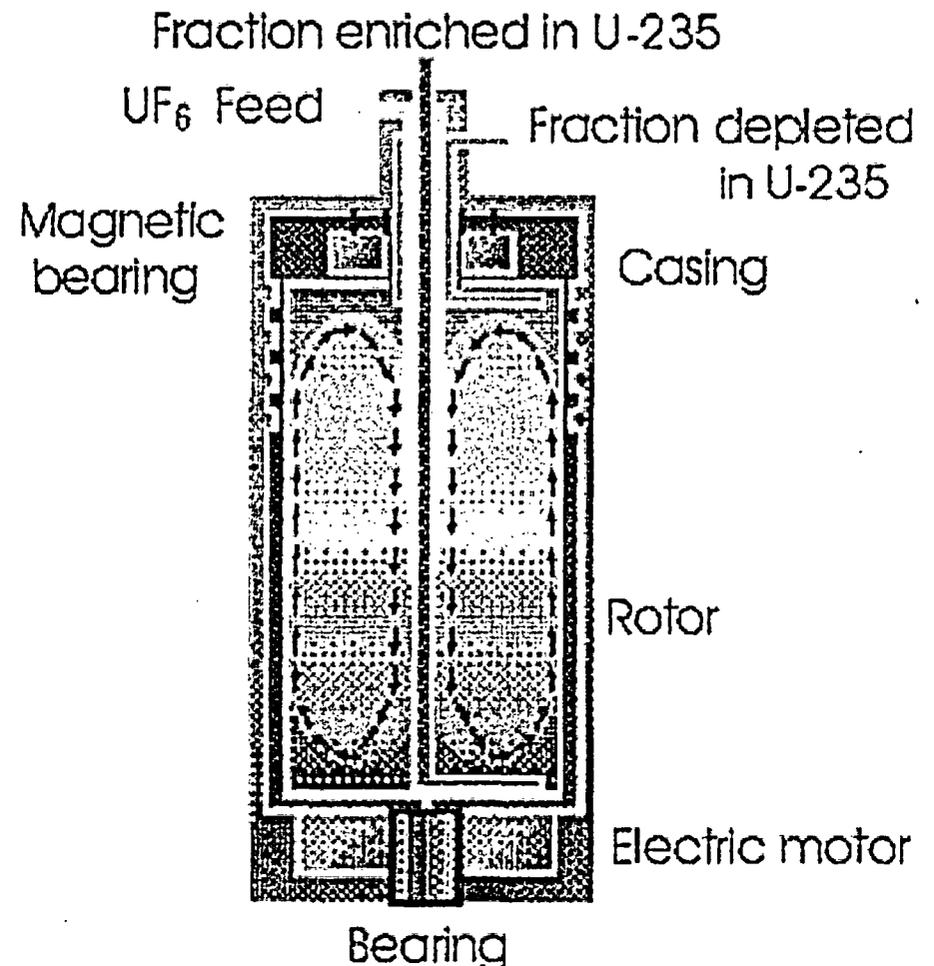
# Environmental Overview

- Proposed Action
  - Gas Centrifuge
- Environmental Review Process
  - Scoping
- Contact Information

# What is Proposed?

- **ENRICH** uranium using a gas centrifuge process
- High-speed rotors separate uranium isotopes
- Increase U-235 content

## The Centrifuge



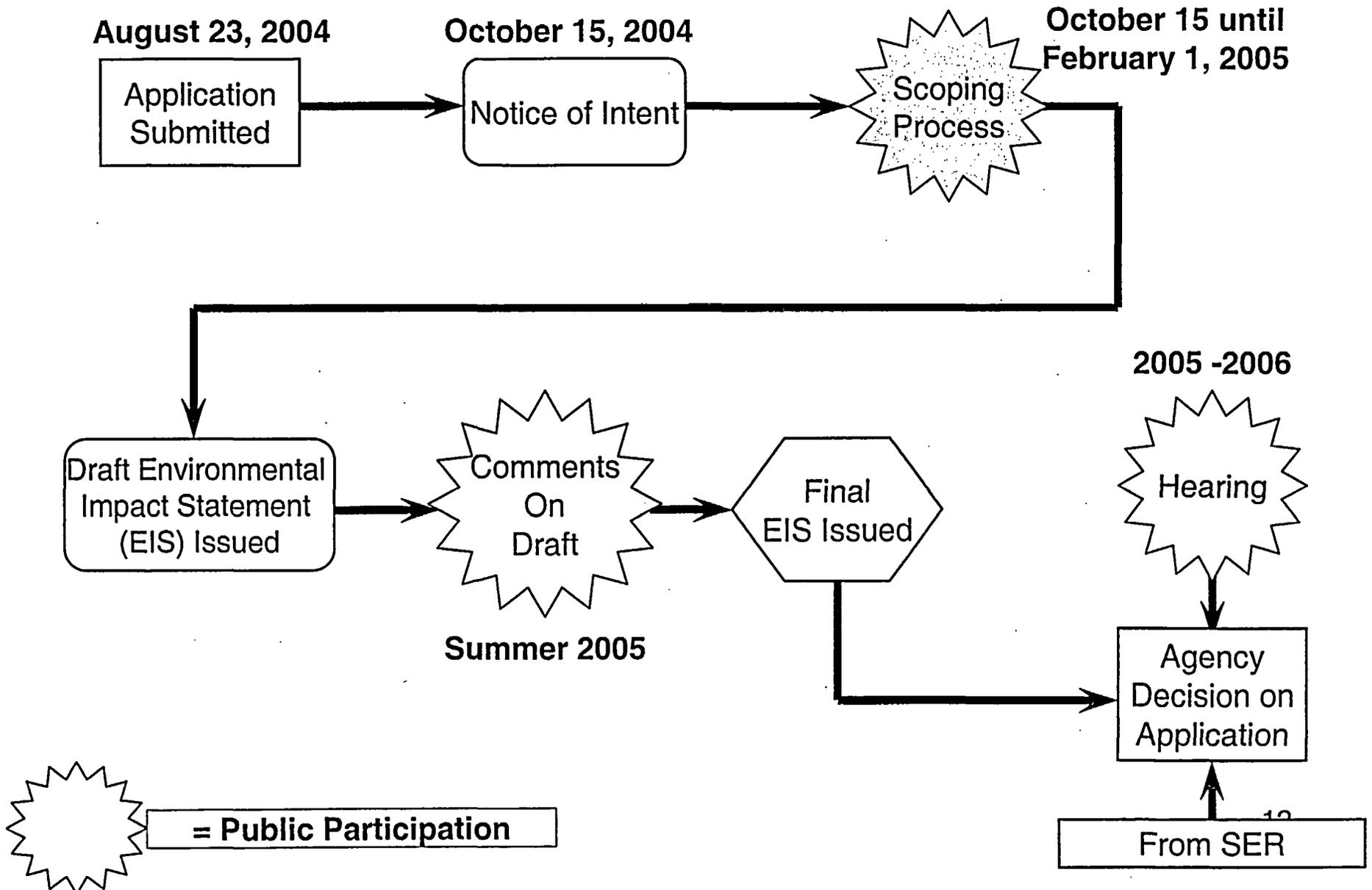
# What is Proposed? (continued)

- Environmental review - 7 million separative work unit (SWU) plant
- USEC initially applying for 3.5 million SWU plant

# What is Proposed? (continued)

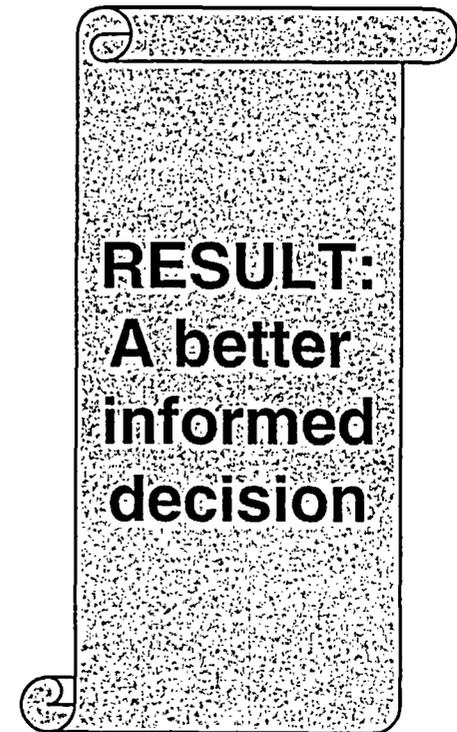
- **LOCATED** within the existing DOE reservation
- **REUSE** existing structures
- **CONSTRUCT** additional facilities

# Environmental Review Process



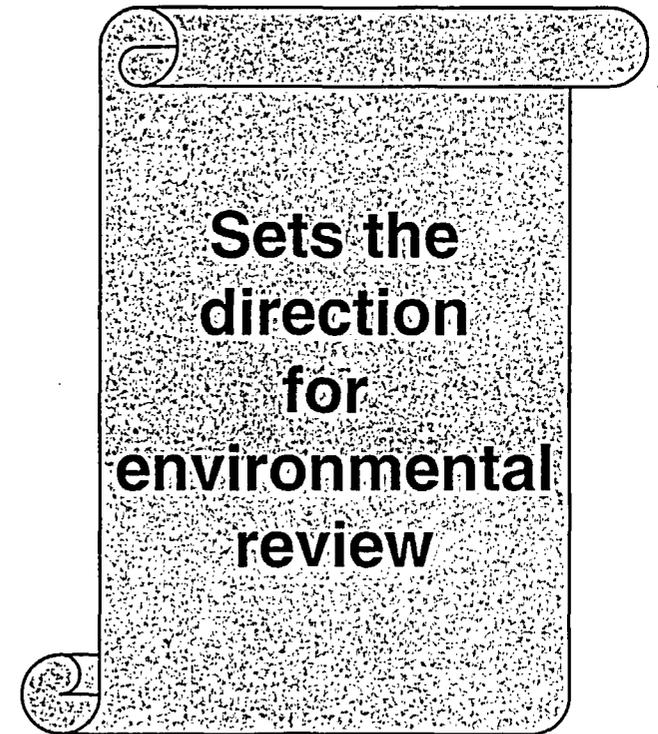
# What is Scoping?

- **FORUM** to solicit public input
- **FOCUS** environmental review on issues of concern



# Scoping Goals

- **IDENTIFY** environmental concerns early and properly study
- **IDENTIFY** alternatives
- **IDENTIFY** important issues

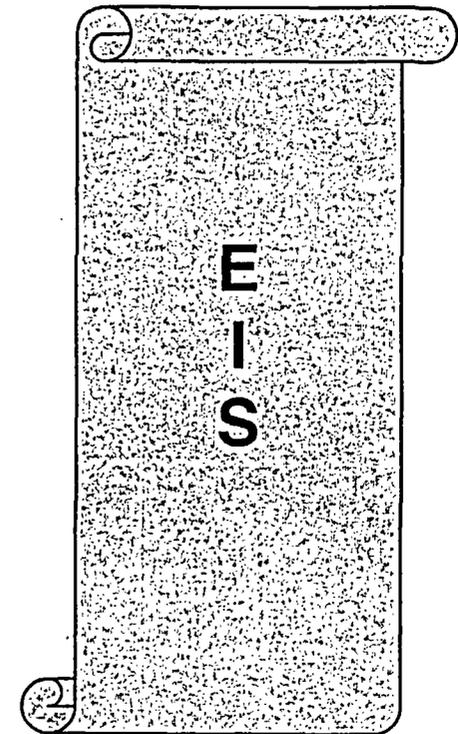
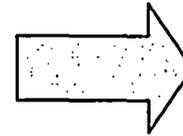


# Scoping Comment Period

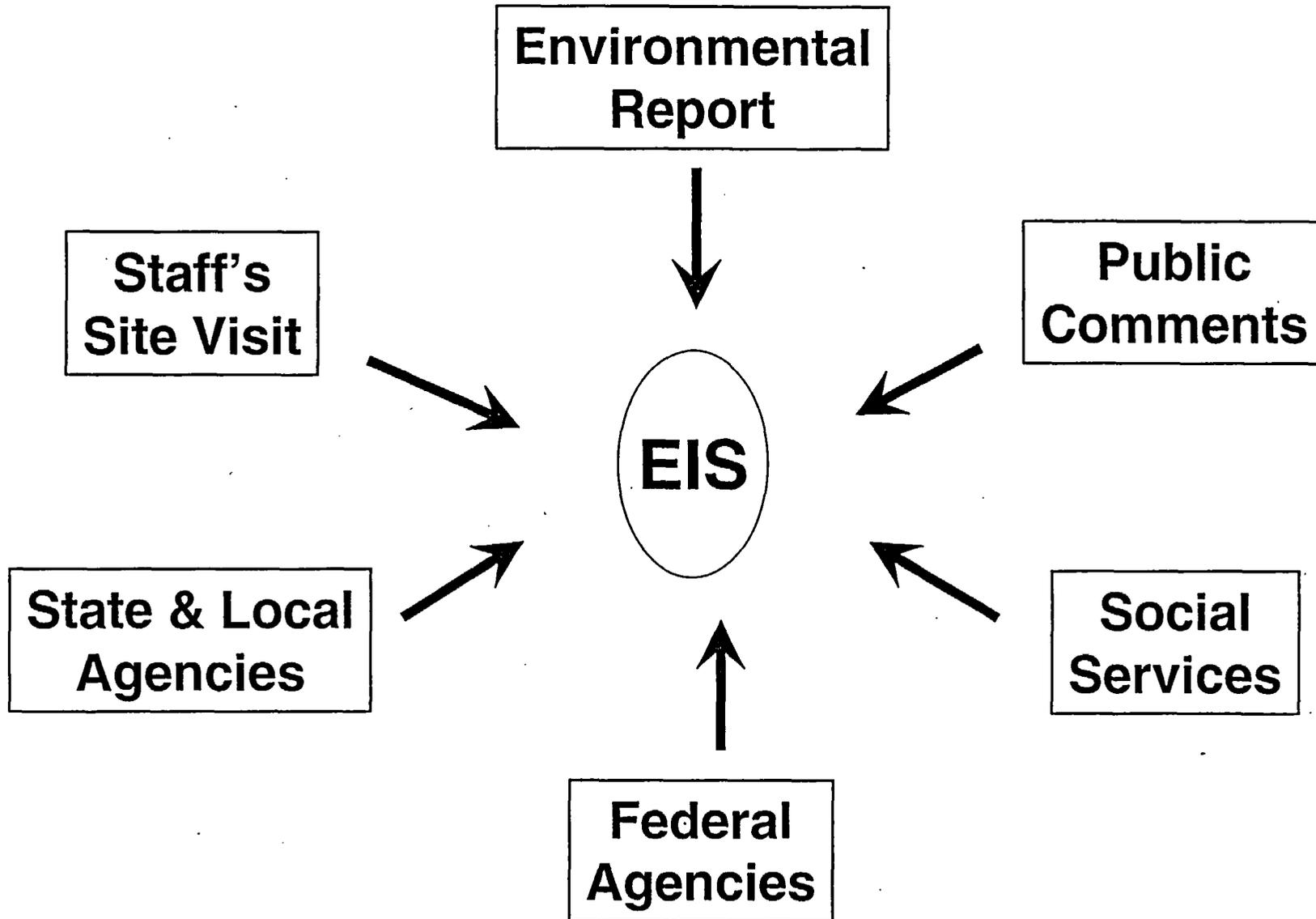
- **PROVIDE** comments by **February 1, 2005**
- **CONSIDER** all comments
- Scoping Summary Report will be issued in April 2005

# EIS Content

- Purpose and Need
- Alternatives
- Affected Environment
- Environmental Impacts
- Consultations



# Information Gathering



# NRC Addresses for Comments

- Please note **Docket 70-7004** on comments
- By mail at:
  - Chief, Rules and Directives Branch
  - Division of Administrative Services
  - Mailstop: T-6D59
  - U.S. Nuclear Regulatory Commission
  - Washington, DC 20555-0001
- E-mail at:
  - [nrcprep@nrc.gov](mailto:nrcprep@nrc.gov)

# Technical Information Availability

- Gas centrifuge and USEC project general information:
  - <http://www.nrc.gov/materials/fuel-cycle-fac/usecfacility.html>
- All publicly available documents:
  - <http://www.nrc.gov/reading-rm/adams.html>

# Public Document Room

- Contact PDR for assistance:
  - 1-800-397-4209
  - Email: [pdr@nrc.gov](mailto:pdr@nrc.gov)
  - Docket Number is 70-7004
  - Environmental Report
    - ADAMS Accession No: ML043620221

# NRC Points of Contact

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