

U.S. Nuclear Regulatory Commission Environmental Review Public Scoping Meeting

International Isotopes Fluorine Products, Inc.
Proposed Fluorine Extraction Process and
De-Conversion Facility

Hobbs, New Mexico

U.S. Nuclear Regulatory Commission

Who We Are and What We Do

David Skeen, Deputy Director

Division of Waste Management and Environmental Protection

Office of Federal and State Materials and Environmental
Management Programs

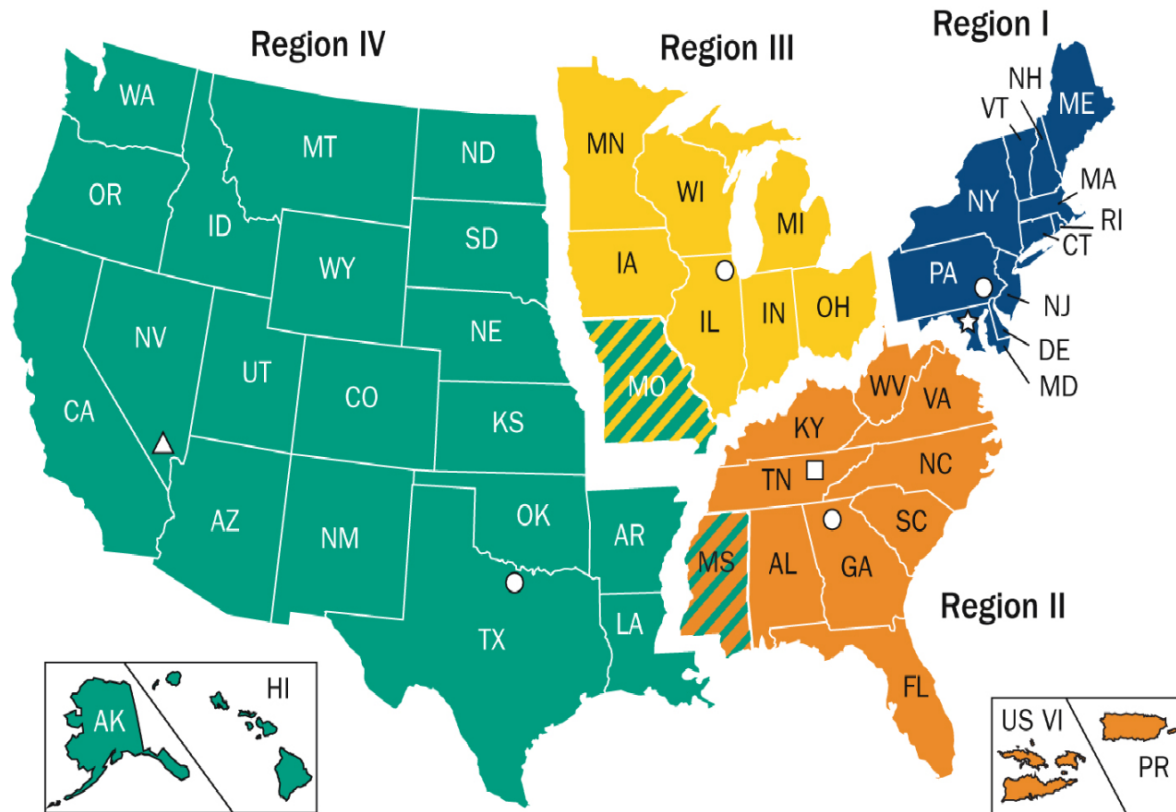
Who We Are

- Energy Reorganization Act of 1974
- Independent Federal agency
- We have regulatory responsibility for commercial use of nuclear materials, including the proposed International Isotopes Fluorine Products facility

NRC's Mission

To regulate the nation's civilian use of byproduct, source, and special nuclear materials to ensure adequate protection of public health and safety, to promote the common defense and security, and to protect the environment

U.S. Nuclear Regulatory Commission



☆ Headquarters (1)

The NRC Regulates:

- **Nuclear reactors** - commercial power, research and test; new designs
- **Nuclear materials** - reactor fuel; radioactive materials for medical, industrial, academic use
- **Nuclear waste** – transportation; storage and disposal; decommissioning of facilities
- **Nuclear security** – physical security of nuclear material to protect it from sabotage or attacks

NRC's Primary Functions

- Establish rules and regulations
- Issue licenses
- Provide oversight through inspection, enforcement and evaluation of operational experience
- Conduct research to provide support for regulatory decisions
- Respond to emergencies

What We Don't Do

- Build or promote nuclear facilities
- Own or operate nuclear power plants
- Regulate nuclear weapons, military reactors or space vehicle reactors
- Regulate naturally occurring radioactive material (radon) and radiation-producing machines (x-rays)

Openness

- NRC's Goals & Objectives:
 - Safety, Security, Openness, Effectiveness, Operational Excellence
- NRC places a high priority on keeping the public and stakeholders informed
- Stakeholder participation in the regulatory process is encouraged
- www.nrc.gov

Communications

- Communication is key
- Active dialogue with:
 - You
 - **Public interest groups**
 - **Indian Tribes**
 - **State and local officials**
 - **State agencies**
 - **Other Federal agencies**
 - **Congress**
 - **Nuclear industry groups**
 - **International organizations**

Why are we here?

- As part of the licensing process, NRC conducts an environmental review
- Your input is vital
- We are at the beginning of the process
- No decisions have yet been made

Licensing Process for the Proposed International Isotopes Inc. Fluorine Products and De-conversion Facility

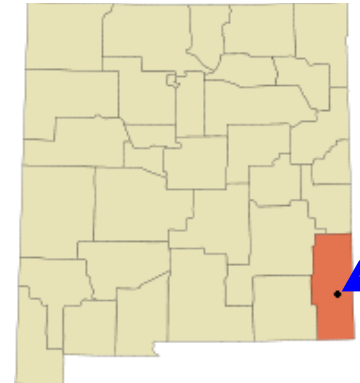
**Matt Bartlett, NRC
Licensing Project Manager**

Objectives

Summary of INIS proposed facility

Overview of licensing process

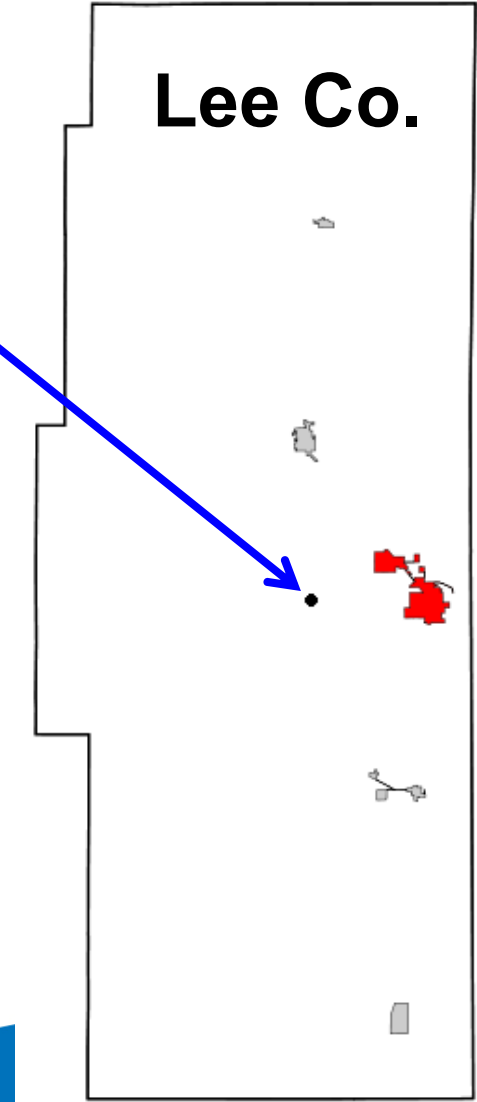
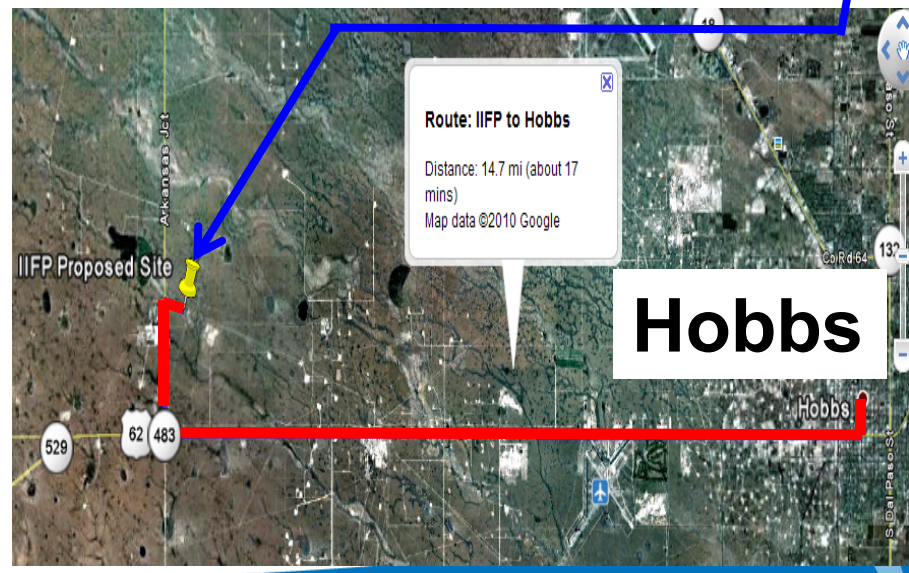
Location: Lea County New Mexico



IIFP

Lee Co.

14 mi. west of Hobbs

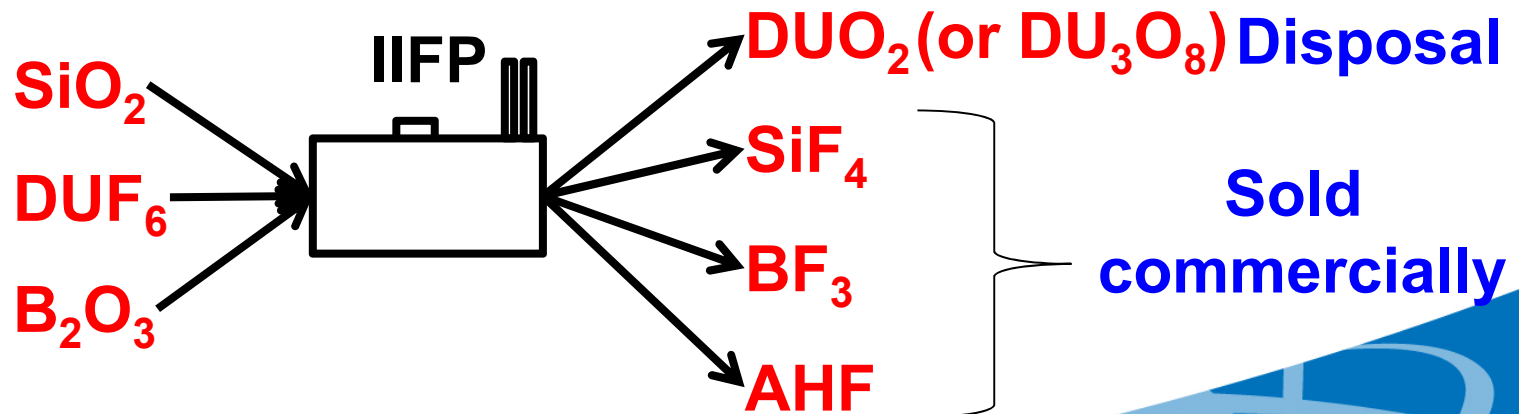


INIS Process

Receipt: DUF6 from enrichment facilities



Processing: Chemical Deconversion of DUF6



NRC Review Schedule

Application Received (12-30-09)

Completed Acceptance Review (02-24-10)

In-depth safety review (18 mo.)

**Environmental Impact Statement (EIS)
(24 mo.)**

If approved, issue license in early 2012

This schedule may change based on the quality of the applicant's license application, the responsiveness to requests for additional information, and unplanned higher priority operational safety work.

NRC Licensing Process



Safety Review

Radiation, chemical, fire, emergency preparedness, environment, seismic, security, etc.

Integrated Safety Analysis Summary

Identifies potential accidents
Items relied on for safety

Outcome

Publish Safety Evaluation Report (SER)
If approved, issue license

Opportunities for Involvement



Contact NRC

Licensing Review: Matt Bartlett 301.492.3119
Matthew.Bartlett@nrc.gov

Environmental Review: Asimios Malliakos
301.415.6458
Asimios.Malliakos@nrc.gov

Three additional NRC public meetings

Draft EIS

Final SER

Inspection and Oversight

Additional Information

NRC Website <http://www.nrc.gov>

Fuel Cycle Facts

- <http://www.nrc.gov/materials/fuel-cycle-fac/ur-deconversion.html>
- <http://www.nrc.gov/materials/fuel-cycle-fac/inisfacility.html>

E-mail Distribution or Questions

matthew.bartlett@nrc.gov

Environmental Review Process for the Proposed Fluorine Extraction Process and De-Conversion Facility

Asimios Malliakos, NRC
Environmental Project Manager

July 29, 2010
Hobbs, New Mexico

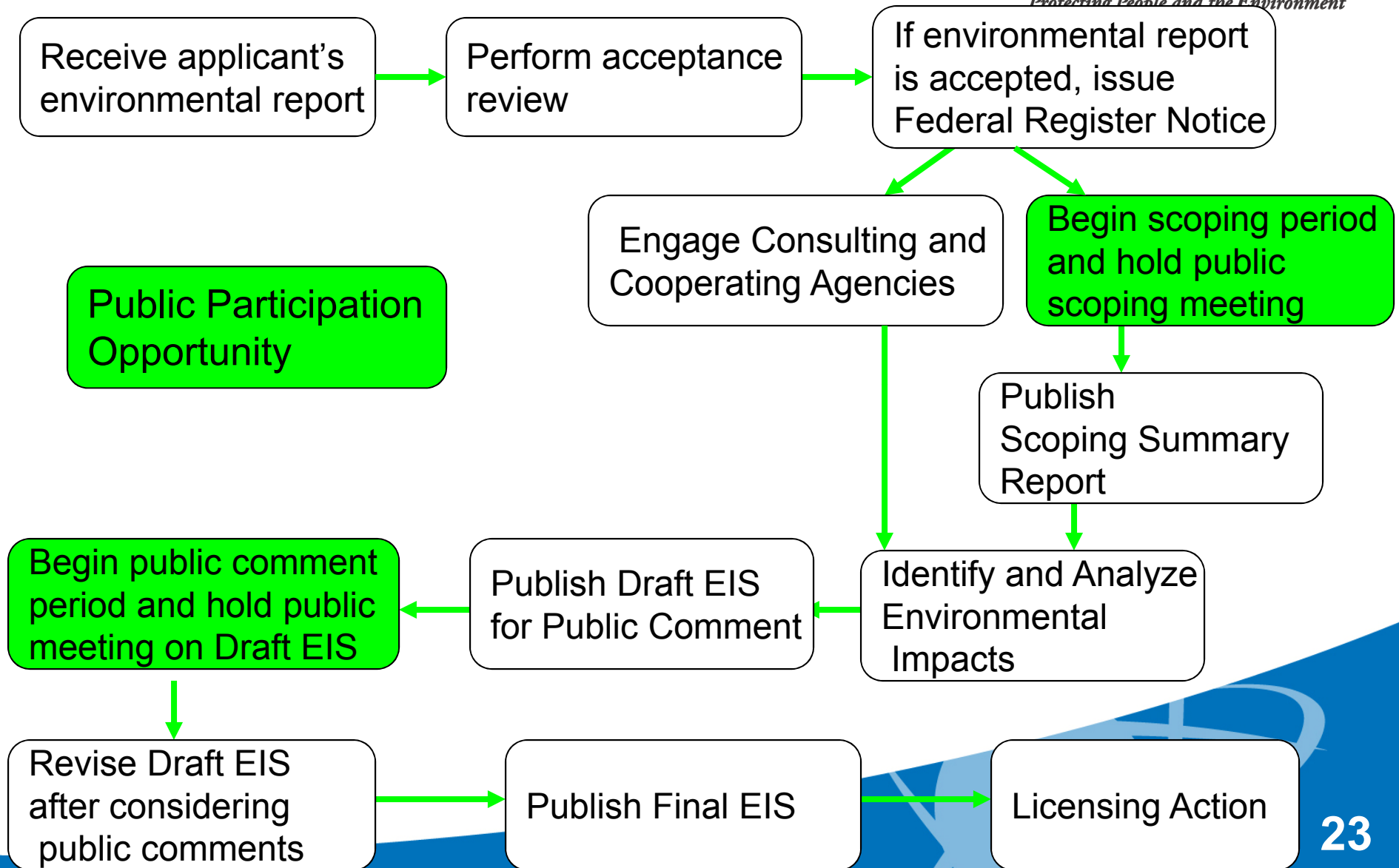
Why are we here?

- NRC is conducting an environmental review as part of the license application review of the proposed International Isotopes, Inc., facility
- This environmental review is required by the National Environmental Policy Act of 1969, as amended
- Your comments will be used to refine the scope of our environmental review

Law, Regulation, and Guidance Documents

- **National Environmental Policy Act of 1969,
as amended**
- **Title 10, Code of Federal Regulations,
Part 51**
- **NUREG 1748**

Environmental Process



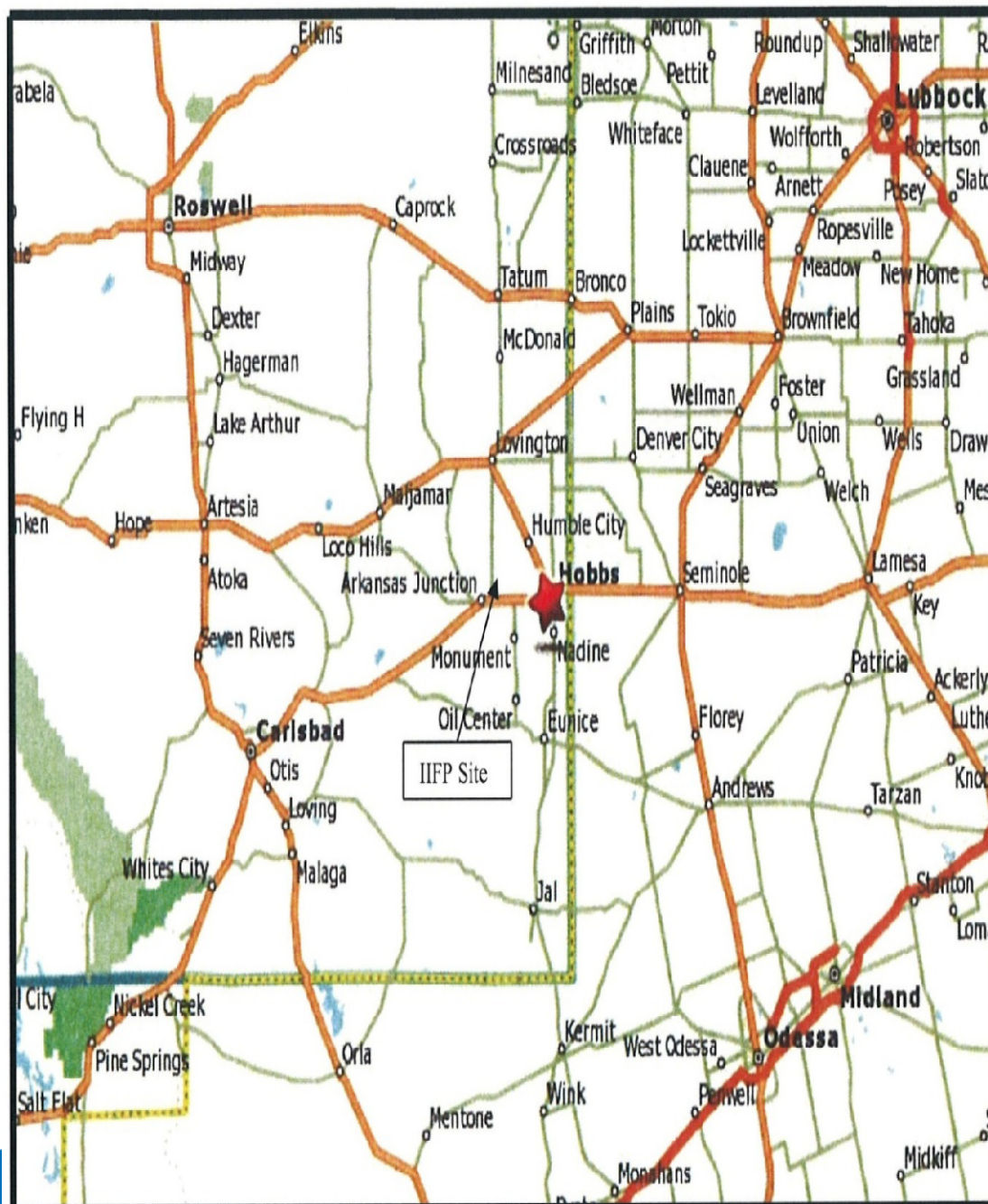
Scoping Process of an Environmental Review

- Requirement of NEPA, NRC
- Refine the environmental review
 - Receive and address your concerns
 - Identify significant, eliminate unimportant
 - Identify alternatives
 - Identify related documents
 - Identify other environmental review and consultation requirements
- Listen, receive written comments

Where is the proposed site?

[International Isotopes Fluorine Products. Environmental Report for the Uranium Processing Plant, December 2009]

Accessible at:
<http://www.nrc.gov/reading-rm/adams.html>
Docket No. 40-9086



What is an EIS?

- NRC staff will document its environmental review in an Environmental Impact Statement (EIS)
- An EIS describes the potential environmental impacts of a proposed action and its alternatives
- An EIS provides information to the public and the agency decision makers

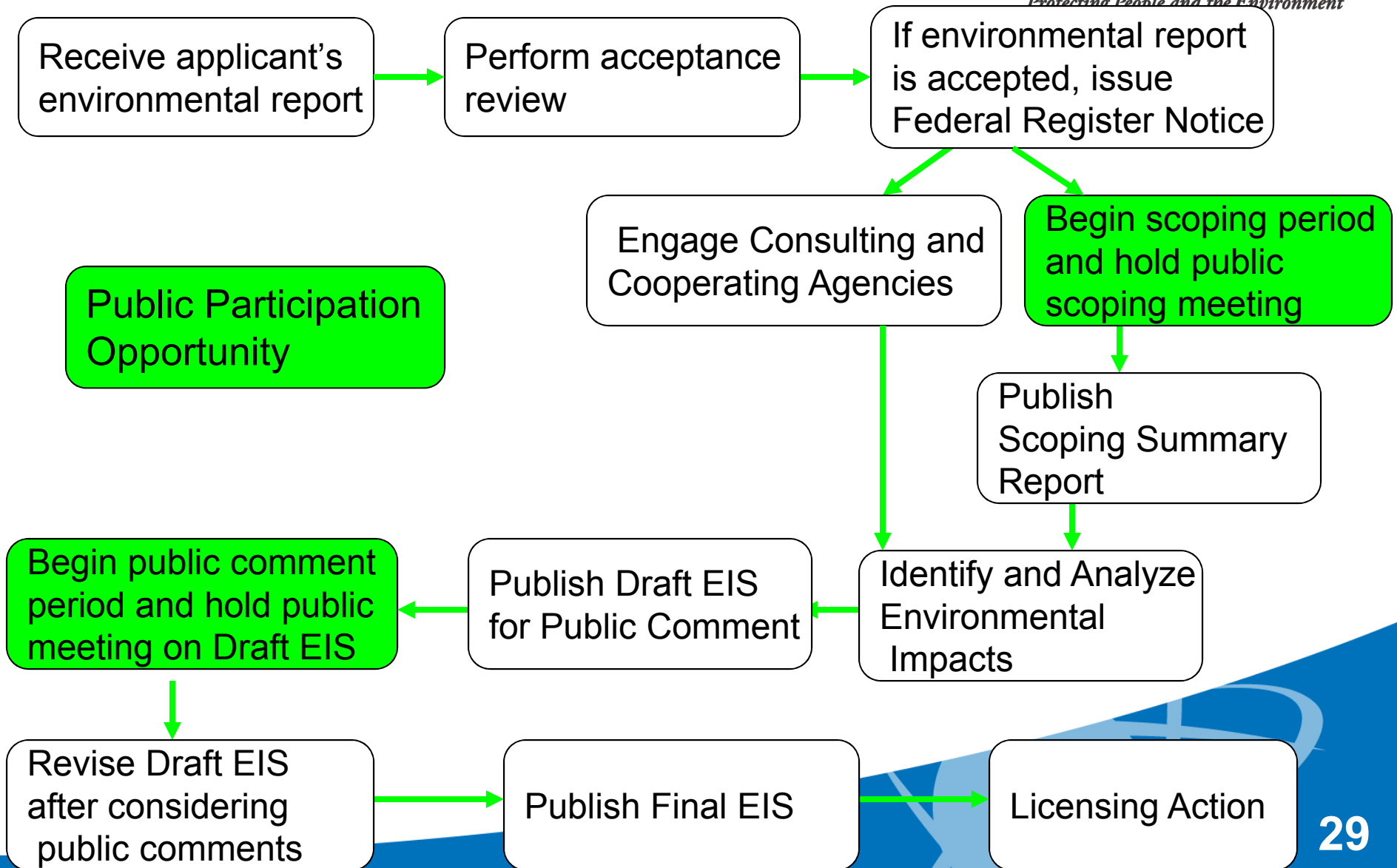
What topics will an EIS address?

- An EIS addresses five main topics
 - The proposed action, including its purpose and the need it meets
 - Alternatives, including no action
 - The affected environment
 - Impacts to the environment
 - Mitigative measures

What effects are considered?

- The EIS will address the effects of facility construction, operation, and decommissioning
- Example review areas include
 - Air, water, soils, plants, and animals
 - Public and worker health
 - Historic, archaeological, or architectural property and artifacts
 - Economic resources, cultural resources, and social services
 - Environmental justice
- Impacts may be direct, indirect, or cumulative

Environmental Process



How do I make a comment?



- Speaking at this meeting
- Filling out a yellow comment card at this meeting
- Writing an email to INIS.EIS@nrc.gov
- Writing to NRC (note Docket No. 40-9086)
 - Chief, Rules and Directives Branch
 - Mail Stop TWB 5B01M
 - U.S. Nuclear Regulatory Commission
 - Washington, DC 20555–0001

Where can I get more information?

- Project Website
<http://www.nrc.gov/materials/fuel-cycle-fac/inisfacility.html>
- NRC's electronic reading room (Docket No.40-9086)
<http://www.nrc.gov/reading-rm/adams.html>
- Hobbs Public Library
509 North Shipp Street, Hobbs, NM 88240
- Contact NRC
 - Licensing Review: Matt Bartlett 301.492.3119
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