



Regulatory Information Conference 2014

Medical Radioisotope Production: U.S. Efforts to Establish a Reliable Domestic Supply of Molybdenum-99:

An Overview of the NRC Environmental Review

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March 11, 2014

Environmental Regulations

- National Environmental Policy Act
 - Informs Federal decision making
 - Public disclosure of environmental impacts and other considerations
- NRC's Environmental Regulations
 - 10 Code of Federal Regulations Part 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions"

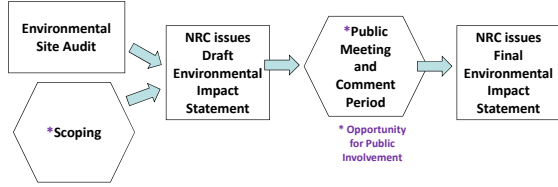
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Environmental Documentation

- Categorical Exclusion
 - Category of actions which do not individually or cumulatively have a significant effect on the human environment
- Environmental Assessment
 - Analysis to determine whether a "finding of no significant impact" can be made or an Environmental Impact Statement is prepared
- Environmental Impact Statement
 - Detailed statement of the environmental impacts of the proposed action and alternatives to the proposed action

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Review Process for Environmental Impact Statements



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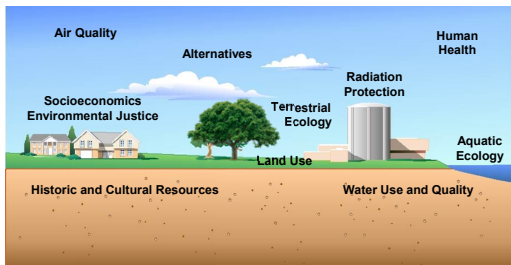
Coordination with Other Federal, State, and Local Agencies

- U.S. Environmental Protection Agency
- U.S. Fish and Wildlife Service
- National Marine Fisheries Service
- U.S. Advisory Council for Historic Preservation
- Tribes
- State Historic Preservation Office
- State Department of Natural Resource
- State Department of Health



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Environmental Review Areas



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Unique Considerations

- First time applicants have worked with NRC
 - Pre-application meetings at NRC and at proposed sites
 - Frequent communication
- First of a kind project for the NRC
 - Updated NUREG-1537, "Guidelines for Preparing and Reviewing Applications for the Licensing of Non-Power Reactors"

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Internal and External Coordination

- NRC
 - NRC-wide Molybdenum-99 Working Group
- Other Federal Entities
 - Department of Energy
 - White House, Office of Science and Technology Policy

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SHINE Environmental Review

- Environmental Report Received in March 2013
 - ✓ Acceptance Review (July 2013)
 - ✓ Scoping (July 2013)
 - ✓ Environmental Site Audit (August 2013)
 - ✓ Requests for Additional Information (September 2013)
 - Draft Environmental Impact Statement
 - Public Meeting and Comment Period
 - Final Environmental Impact Statement

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