

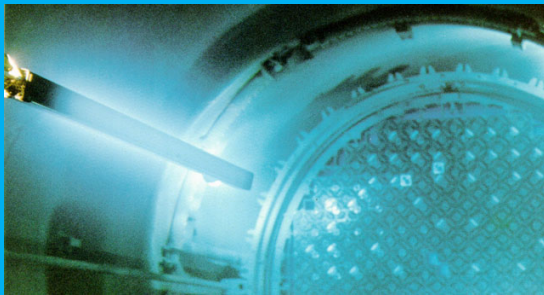


U.S. Nuclear Regulatory Commission

Reprocessing Workshop

October 19th and 20th, 2010

Albuquerque, NM





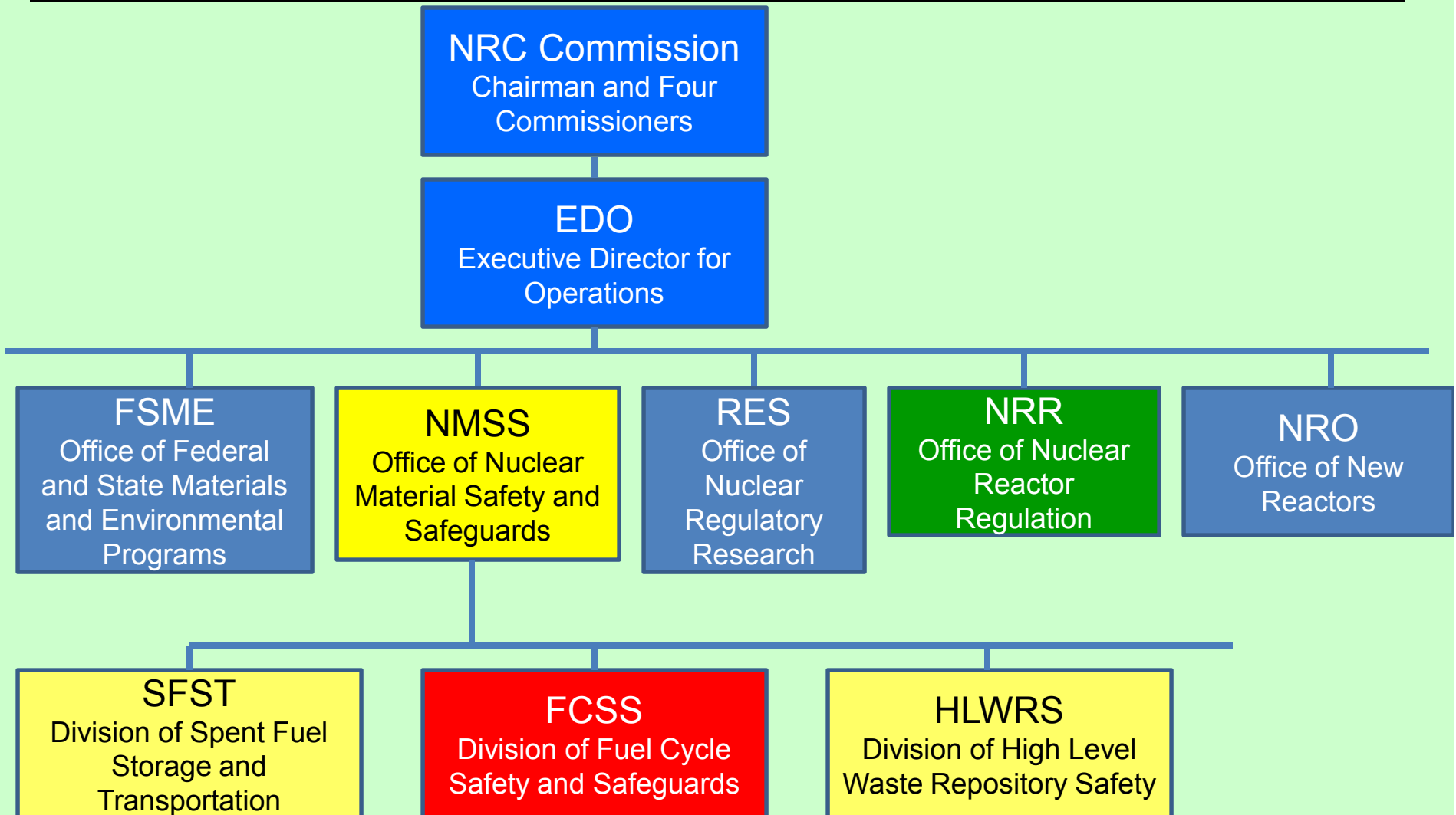
Overview of NRC Activities for Development of a Reprocessing Regulatory Framework

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Who Are We?



Simplified NRC Organization (www.nrc.gov)



NRC Integrated Spent Nuclear Fuel Program

- The objective is to enhance efficiency and effectiveness for regulation of the back-end of the fuel cycle

NRC Integrated Spent Nuclear Fuel Program

Overview of the strategy:

- Regulatory and analytical tools for high-level waste disposal
- Regulatory framework for reprocessing
- Extended storage and transportation of spent fuel

Safety, Security, And Protecting the Environment

- NRC has licensing jurisdiction over commercial production facilities
 - Reprocessing facilities are production facilities
- In the 1960s and 1970s, NRC (or AEC) licensed a reprocessing facility and issued construction authorizations under 10 CFR 50
- Part 50 still applies today for potential reprocessing facilities
 - Part 50 has evolved to focus mainly on reactors
 - Part 50 has not evolved for production facilities for several decades
- NRC is planning to revise the regulatory framework for licensing potential new commercial reprocessing facilities

Importance Of Public Involvement

- NRC needs input from all members of the public and stakeholders to better inform our process
 - Technical issues and policies are complex
 - Rulemaking is envisioned to be a considerable effort, affecting many parts of 10 CFR
 - NRC Staff engaging public throughout the process
- These workshops continue this effort

Workshop Approach

- Two Workshops held:
 - Rockville, MD: September 7/8th
 - Albuquerque, NM: October 19/20th
- Facilitated discussions
- Focus on reprocessing rulemaking issues in FRN and related issues within NRC's purview

Current NRC Schedule Revising Regulatory Framework

- Now/ongoing/2010:
 - Regulatory gap analyses
 - Regulatory (technical) basis development
 - Public meetings and workshops
- 2011-2012
 - Complete regulatory basis
 - Initial environmental activities
 - Commission approval to proceed with rulemaking
- 2013 - 2014 – Draft rule
- 2015 – Final rule
- Schedule depends upon Commission approval of rulemaking activities and the resources available

NRC Website Has Additional Information

<http://www.nrc.gov/materials/reprocessing.html>

- Includes meeting summaries and presentations
- Additional documents are available from ADAMS or Electronic Reading Room document collections (e.g., SECY, NUREG)