

RIC 2004

New Reactors / Advanced Reactors

Session W7

NRC Activities to Prepare for Receipt and Review of Combined License Applications

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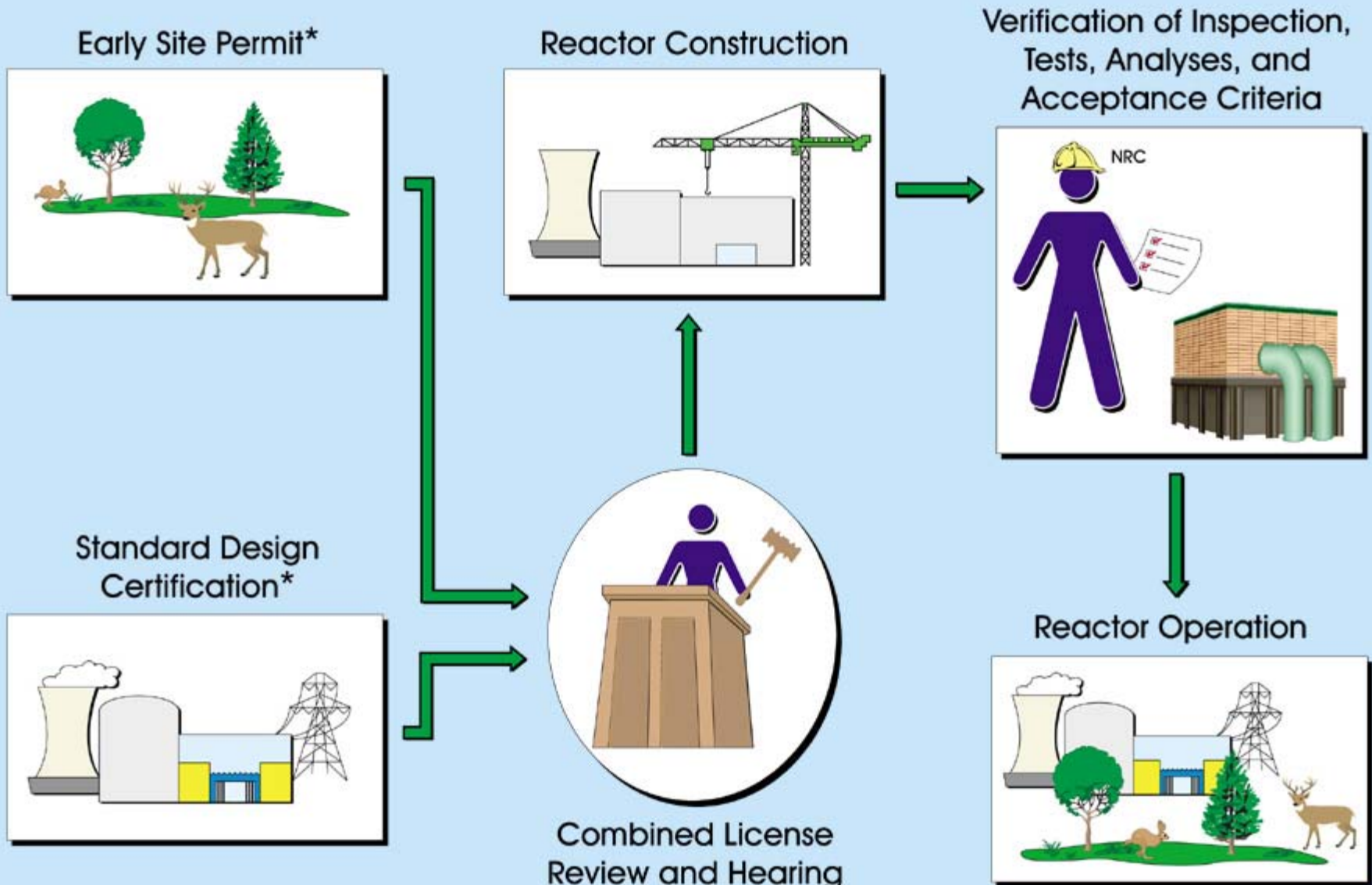
March 10, 2004



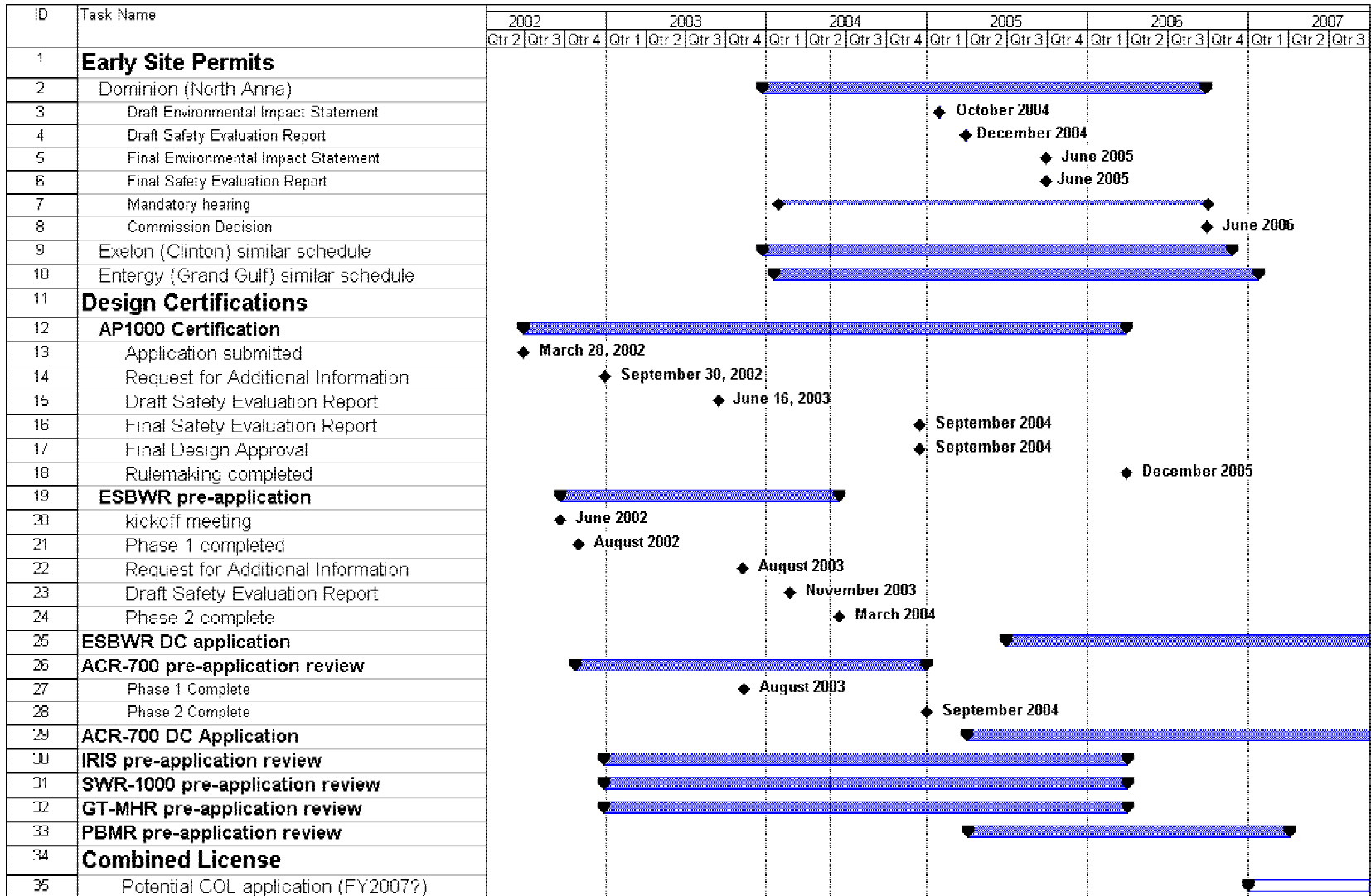
Combined License

- Combined License (COL) = a combined construction permit and operating license with conditions for a nuclear power plant
- 40-year duration
- COL can reference early site permit, design certification rulemaking, both, or neither
- COL is the fundamental licensing process in Part 52 for reducing regulatory risk for companies building nuclear power plants

Combined Licenses, Early Site Permits, and Standard Design Certifications



New Reactor Licensing Schedule by Fiscal Year



NRC Planning Information Needs

- To allow appropriate NRC resource planning and budgeting, any potential applicant planning to seek NRC review of a COL application should inform us, in writing, of intent as soon as possible

New Construction Prerequisites (from the regulator's perspective)

- Maintain safety of licensed plants
- Predictable licensing process
- Meaningful public participation
- Enhanced safety for future plants
- Independent and credible regulator

NRC Preparations for a Combined License Application

- NRC has been proactive in several areas
 - COL Review Process – SECY-00-0092
 - 10 CFR Part 52 Proposed Rule
 - Construction Inspection Program
 - Programmatic inspections, tests, analyses, and acceptance criteria (ITAAC) – SECY-02-0067
 - Emergency Planning (EP) ITAAC
 - Additional COL Issues

Construction Inspection Program

- NRC Challenges -

- More aggressive construction schedules
 - Possible fabrication before COL issued
 - Modular construction – multiple locations
- Verifying successful ITAAC completion
 - Unique to Part 52 licensing
- Ensuring compliance with other regulatory requirements
 - Security, fire protection, training, maintenance rule

Construction Inspection Program

- NRC Approach -

- Learn from history
- Use a multi-discipline approach
 - Program office, licensing, regional inspection
- Make work visible
 - Issue draft Framework Document
- Involve stakeholders
 - Public comment on Framework Document
 - Workshop on Framework
 - Construction Inspection Program Information Management System Demonstration Project

Programmatic ITAAC

- Should a COL application contain ITAAC on operational programs such as training and EP (programmatic ITAAC)?
- Commission's September 11, 2002, staff requirements memorandum (SRM) related to SECY-02-0067 provides direction
- Proposal developed in response to the SRM
- Federal Register Notice and Category 3 facilitated and transcribed public workshop held to solicit comments
- Comments will be addressed and proposal developed for the Commission

Other COL Issues

- EP ITAAC
 - Staff developed draft proposed EP ITAAC
 - Issued January 29, 2004
 - Workshop scheduled for April 16, 2004, at NRC headquarters to solicit comments
- COL application guidance
 - Started to engage with industry regarding COL application guidance
 - NEI targeting end of calendar year 2004 to issue revision 0 of its guidance
- 23 COL issues have been identified for engagement with industry
 - Staff intends to follow the early site permit model to discuss generic issues

Summary

- Licensing processes are ready to be used
- Modernizing regulatory infrastructure to address advanced reactors
- For more information, visit our website:

<http://www.nrc.gov/reactors/new-reactor-licensing.html>