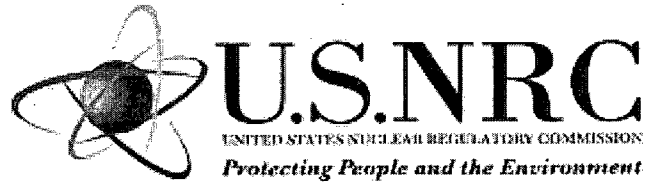




# US NRC Combined License Process and New Reactor Status

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Office of New Reactors

May 30, 2007



# Overview

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- New Reactor Licensing
- Combined License Applications
- Design Centered Review Approach
- Current New Reactor Review Schedule
- Construction Schedule
- Conclusions



# New Reactor Licensing

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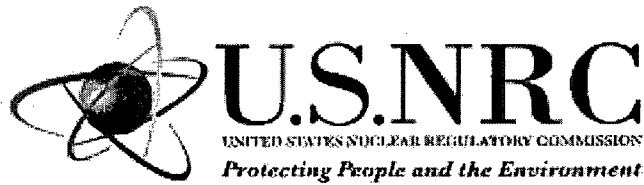
## NRC's Perspective

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



# Combined License Applications

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- Combined construction permit and operating license for a nuclear power plant
  - May reference an early site permit, a standard design certification, both, or neither
  - Objective is to resolve all safety & environmental issues before authorizing construction
  - Prior to fuel load, must verify the facility has been constructed in accordance with the license

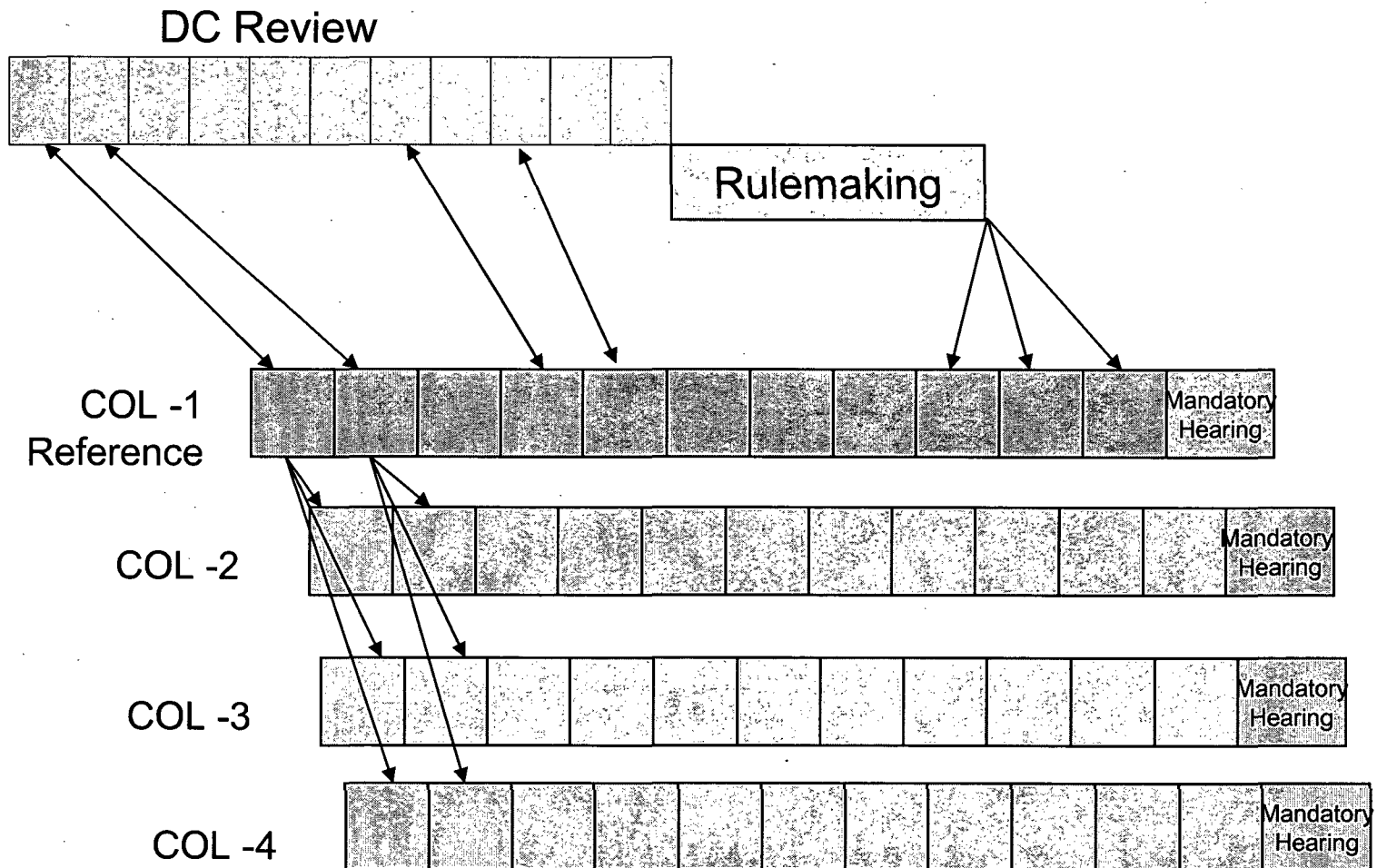


# Combined License Applications, continued

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- Design
- Environmental Impacts
- Site Safety
- Qualifications
- Programs
- Inspections, Tests, Analyses and Acceptance Criteria (ITAAC)

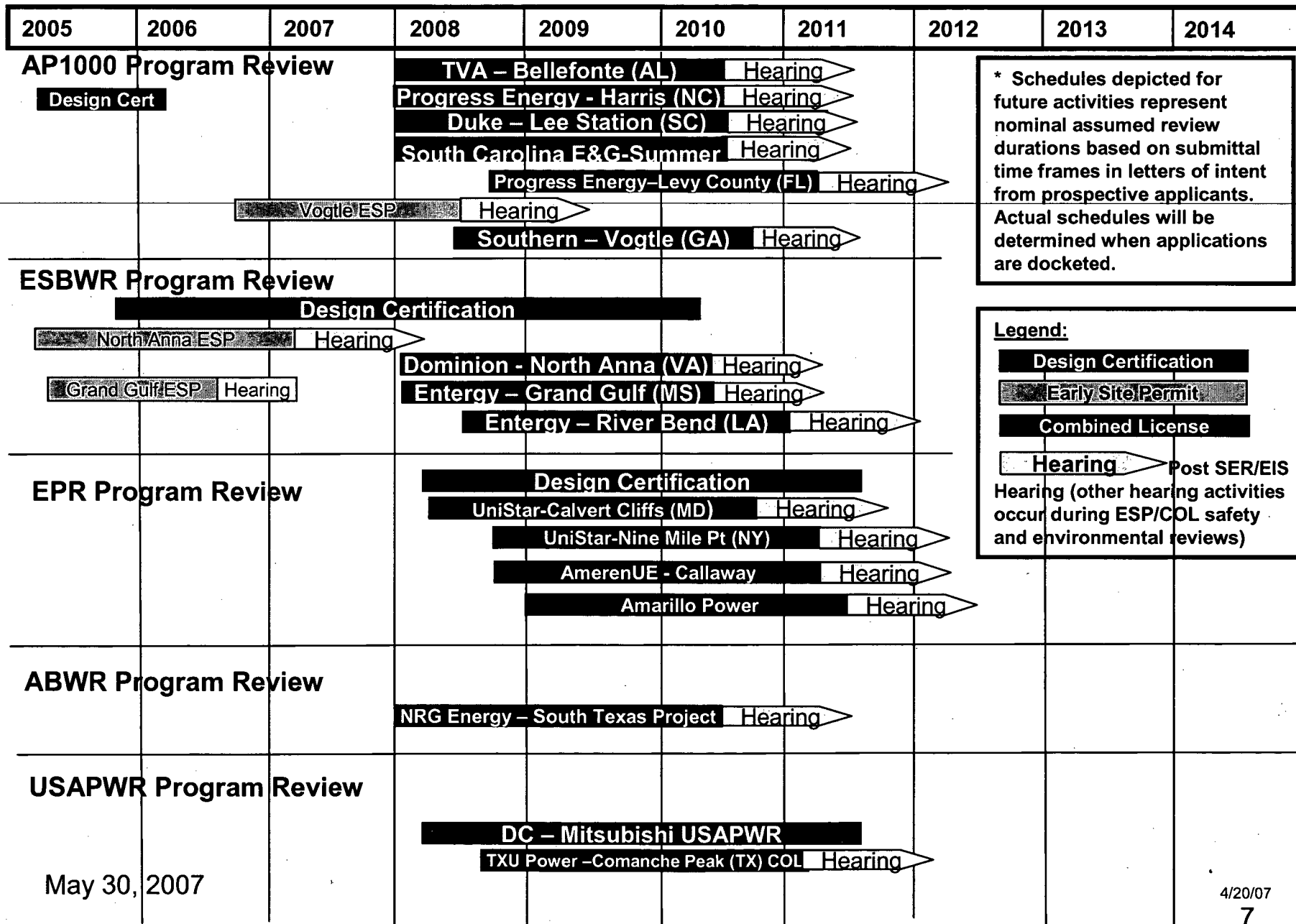
# Design Centered Review Approach



May 30, 2007

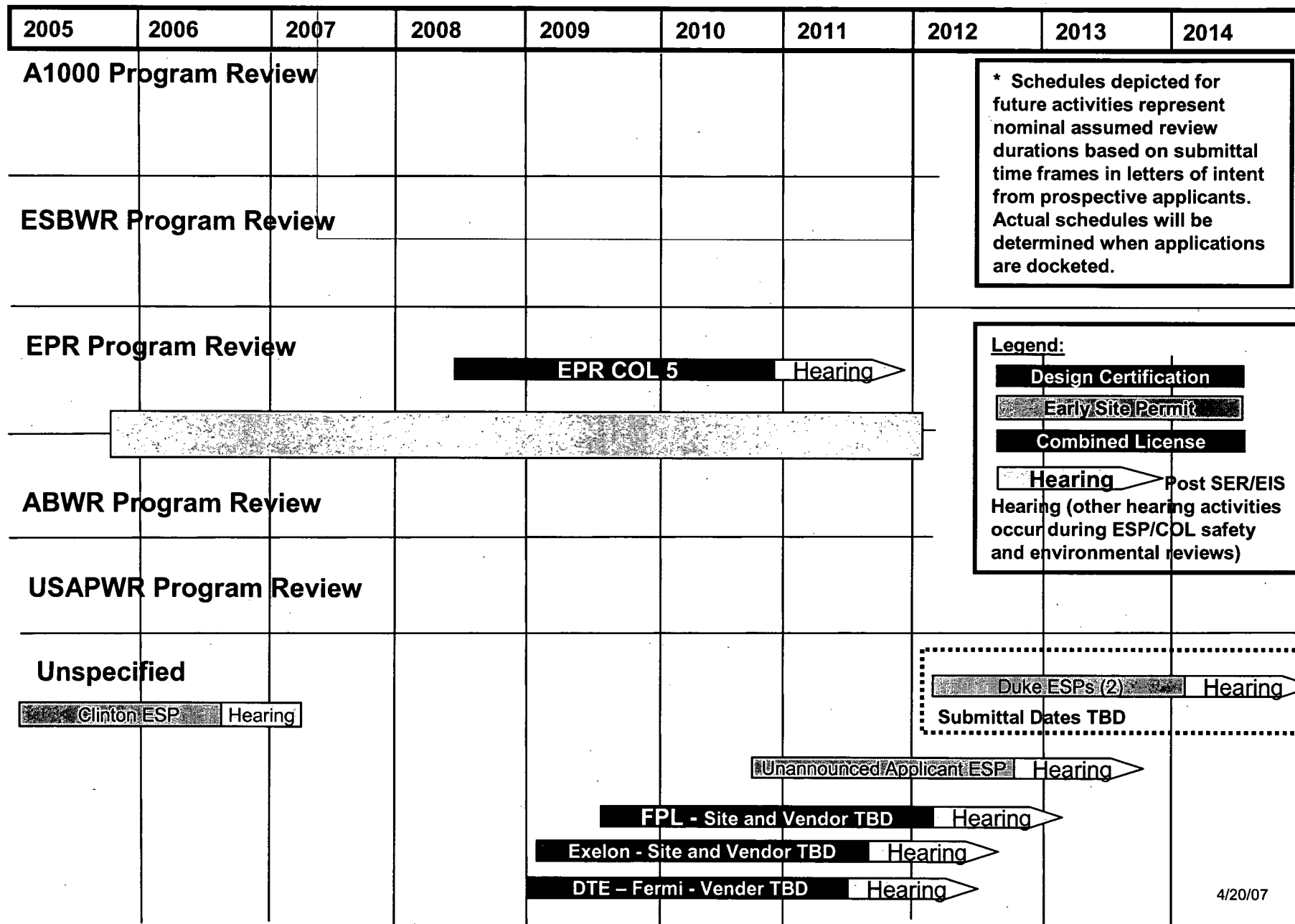
# New Reactor Licensing Applications (Site and Technology Selected)

An estimated schedule by Fiscal Year



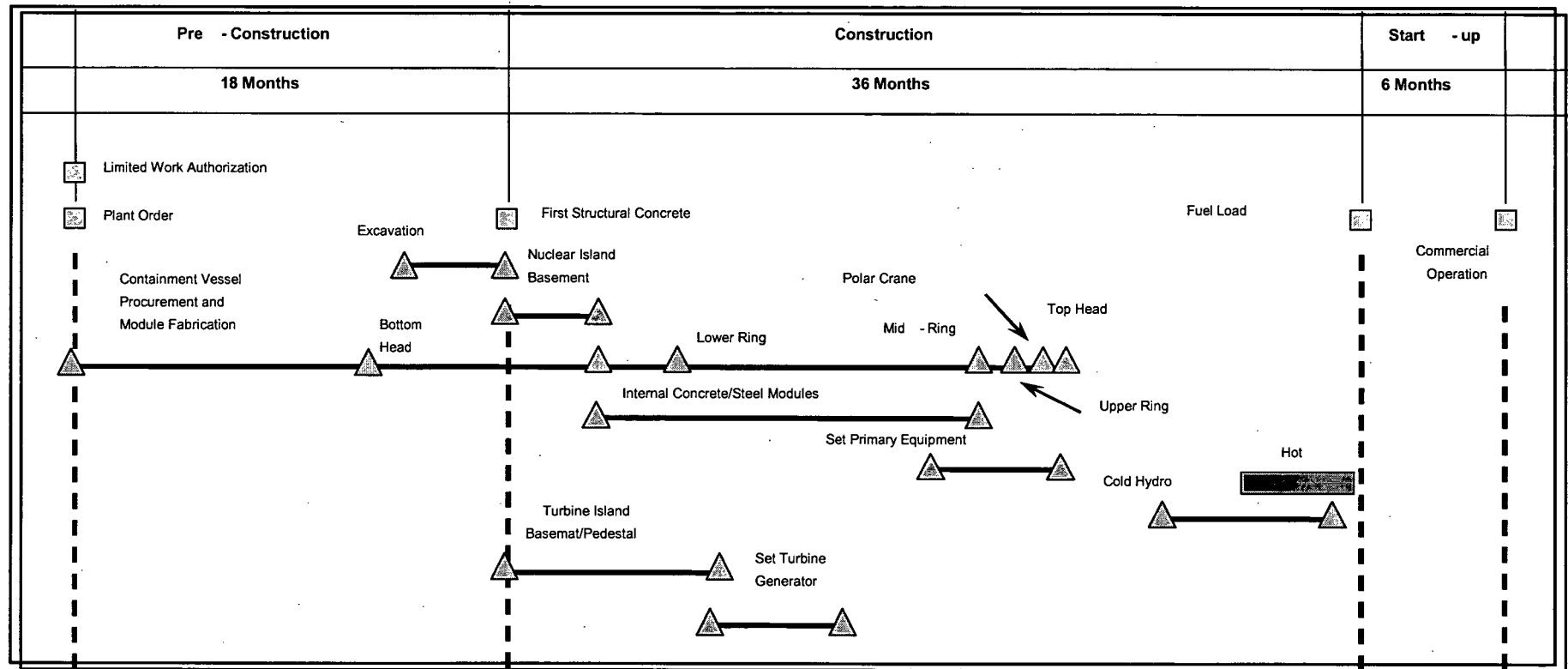
# New Reactor Licensing Applications (Site or Technology TBD)

An estimated schedule by Fiscal Year





# Construction Schedule Example



Source: SECY -06-0114

May 30, 2007



# Conclusions

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- NRC is preparing for an exceptionally high level of new reactor licensing activity
- NRC will accomplish our mission to ensure adequate protection of public health and safety and the environment for new reactors licensed under 10 CFR Part 52
- NRC willingness to share information as needed to address transmission issues