

RIC 2006 – Session T2D

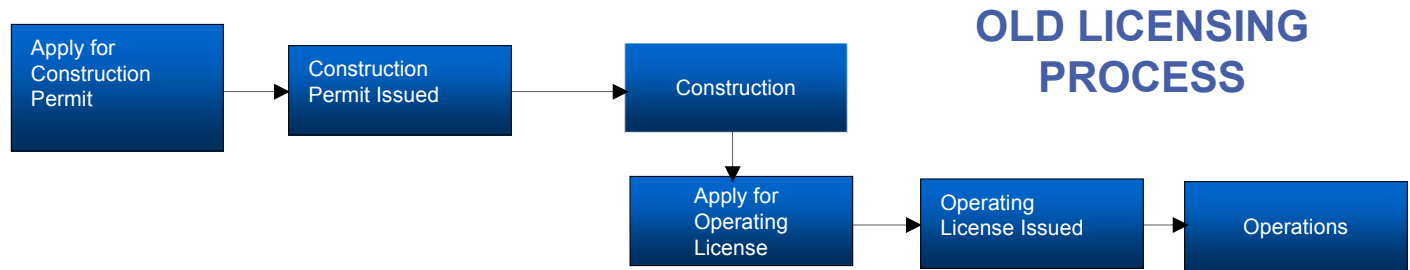
New Reactor Licensing, Preparing for Combined License Reviews

Industry Perspective on New Reactor Licensing Issues

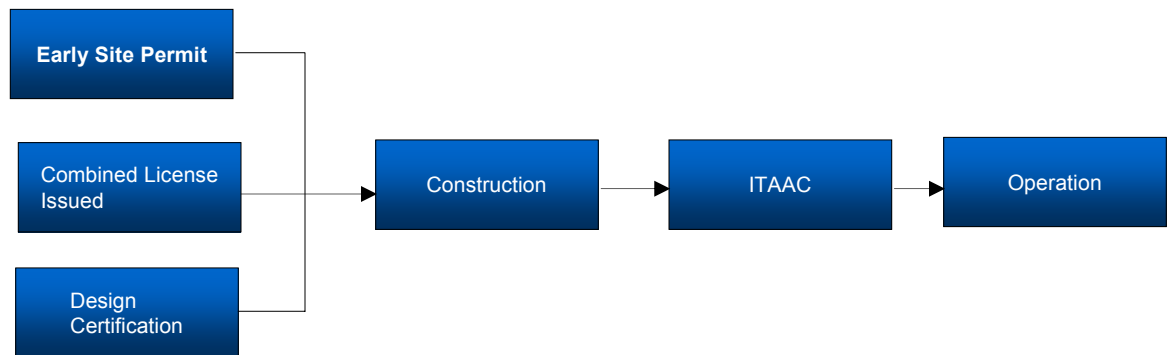
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Part 52--Making New Nuclear Possible



NEW LICENSING PROCESS



ESP Lessons Learned

- Site safety
 - Good issue resolution
- Emergency preparedness
 - Overly complex for existing unit sites
- Environment
 - Challenging site environmental issues are being identified and resolved
 - ESP process was successful in identifying these issues
 - Application to approval: 3 years +



Dominion's COL Project

- DOE cooperative agreement
- Dominion, GE, Bechtel team
- North Anna site
- GE ESBWR design
- Planning began in early 2004
- COL preparation began in early 2005

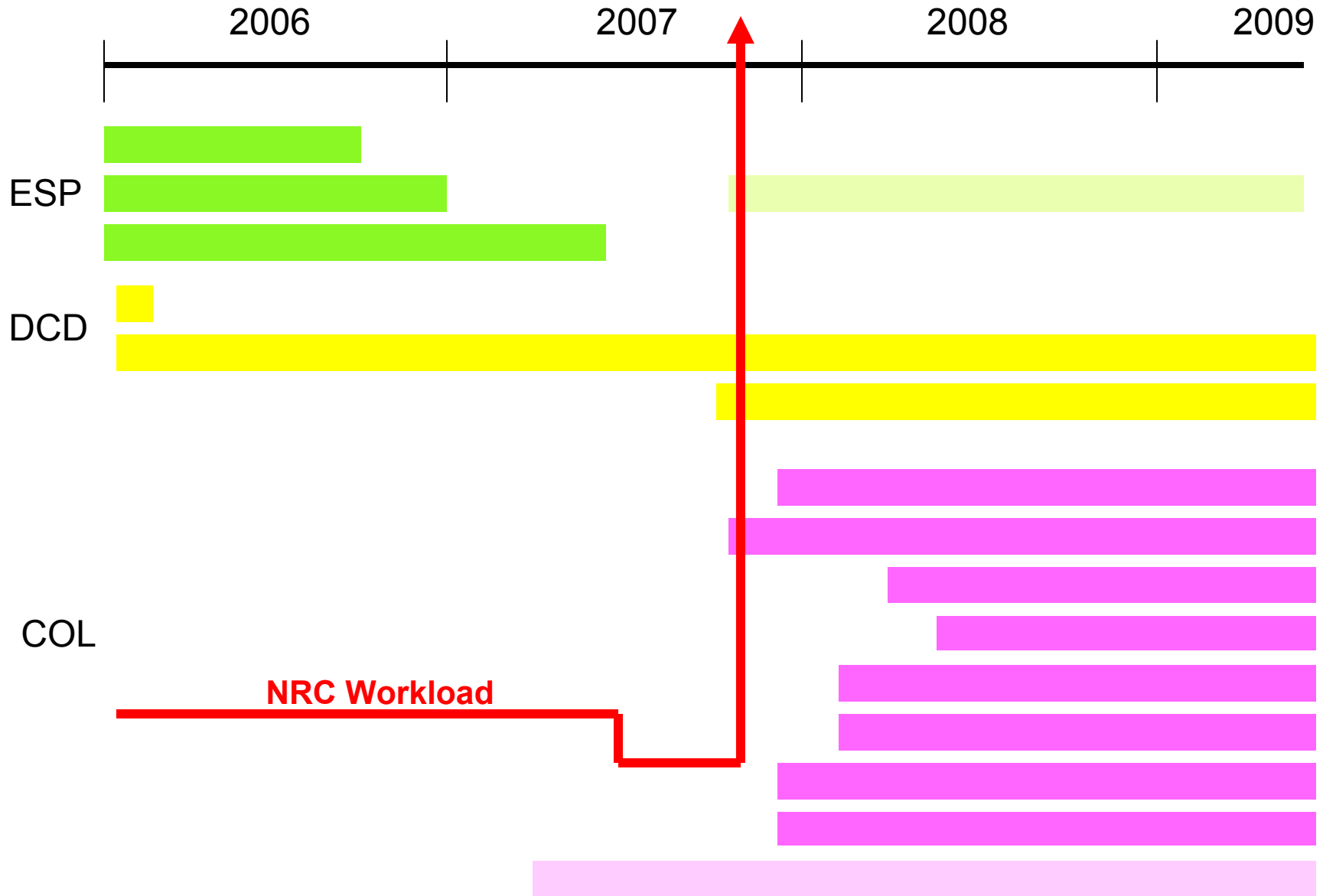


North Anna COL Project

- Task 1 Project Management
- Task 2 Legal/Financial/Risk Mgmt.
- Task 3 COL Application
- Task 4 ESBWR Design Certification
- Task 5 ESBWR Engineering
- Task 6 Site Engineering
- Task 7 Deployment Preparation



The Crunch!... We Need a New Approach



COL Application Issues

■ Commonality/standardization

- Within a technology...Dominion and NuStart/Entergy already doing it
- Across technologies...An NPOC priority

■ Early NRC interaction

- Look at possibility of early submittals
- Level of “approval” and vehicles (topical reports, modules)
- Efficient use of NRC resources (roll from DCD to COL)
- Truly integrate NRC and industry schedules

■ NRC requirements/guidance

- Part 52 being revised
- SRPs and RGs being revised



Next Steps?

- Identify the most effective and efficient processes and use of our resources...then realign quickly
- Proactively engage NRC at all levels
- Encourage early COL application “module” submittals to the extent practical
- Implement a design-centered approach
- Truly benefit from standardization





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