



New Reactor Licensing Process Lessons Learned Public Meeting

September 13, 2012

Bethesda North Marriott

Rockville, Maryland



Overview & Background

Serita Sanders
Office of New Reactors

Agenda

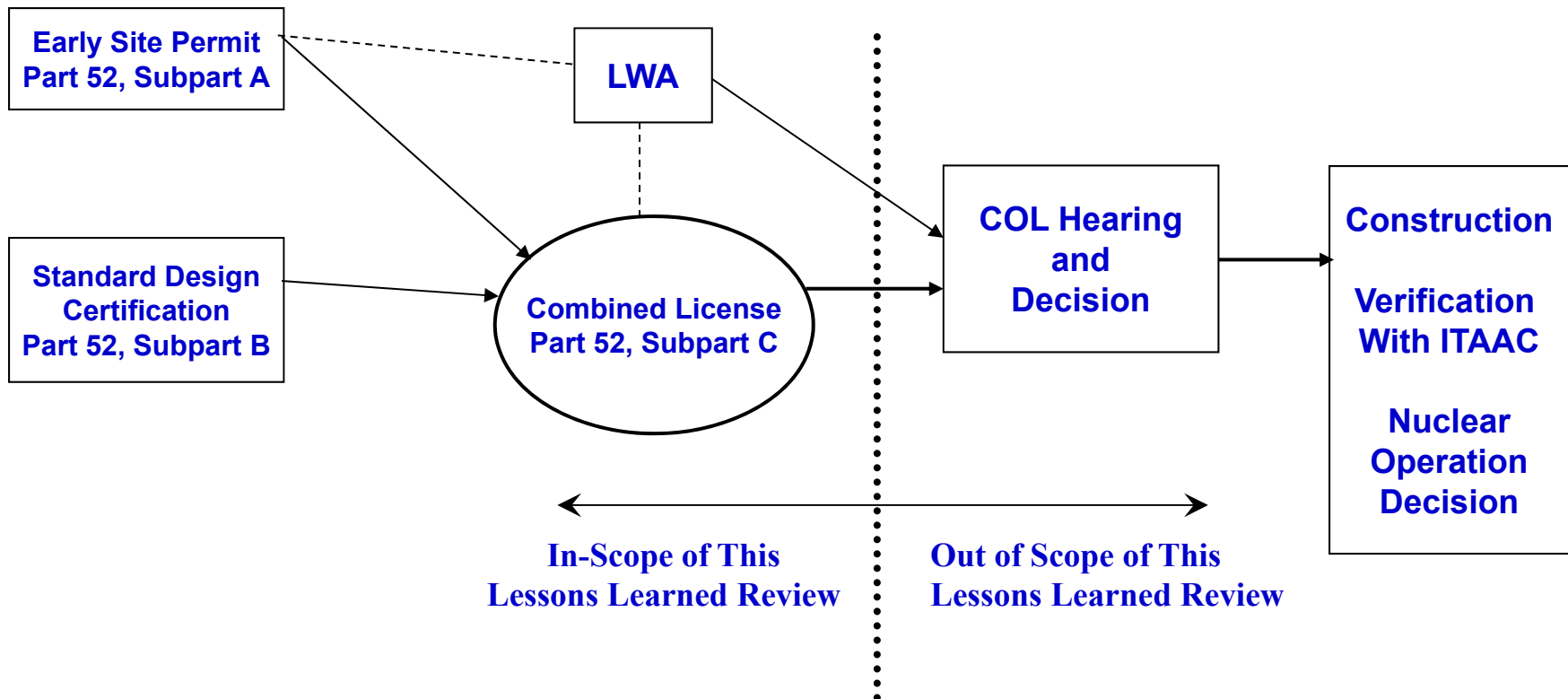
Time	TOPIC	FACILITATOR
8:30 a.m. – 8:45 a.m.	Introduction/Background/Overview	Serita Sanders
8:45 a.m. – 10:15 a.m.	Feedback: Process (solicitation of comments from participants)	Serita Sanders
Break		
10:30 a.m. – 12:00 p.m.	Feedback: Guidance & Requirements (solicitation of comments from participants)	Eric Oesterle
Lunch		
1:15 p.m. – 2:30 p.m.	Feedback: Schedule (solicitation of comments from participants)	Eric Oesterle
Break		
2:45 p.m. – 4:00 p.m.	Feedback: Public Interaction (solicitation of comments from participants)	Mallecia Sutton
4:00 p.m.– 4:30 p.m.	Summary	Serita Sanders Amy Cabbage
Meeting Adjourned		



Background

- Purpose
- Scope
- Outcome

Part 52 Licensing Process





Part 52 Licensing Process

- Process is straightforward but the implementation became challenging:
 - New regulatory process that had not been implemented before
 - Development of regulatory guidance documents and SRP updates coincided with application developments
 - Application review schedules were challenged because the DC and COL submittals were not adequately sequenced



Topic 1 - Licensing Process

- Pre Application Review
- Acceptance Review
- Request for Additional Information
- Technical Reviews
- Resolution of Open Issues
- Safety Evaluation Reports
- Environmental Impact Statement
- Design Certification Rulemaking



NRC Lessons Learned (RIC 2012)

1. Need for planning well in advance
2. Extensive management involvement
3. Thank heaven for standardization!!!!
4. Strong Design Center working group essential
5. Communication critical to success
6. Part 52 works!!!!

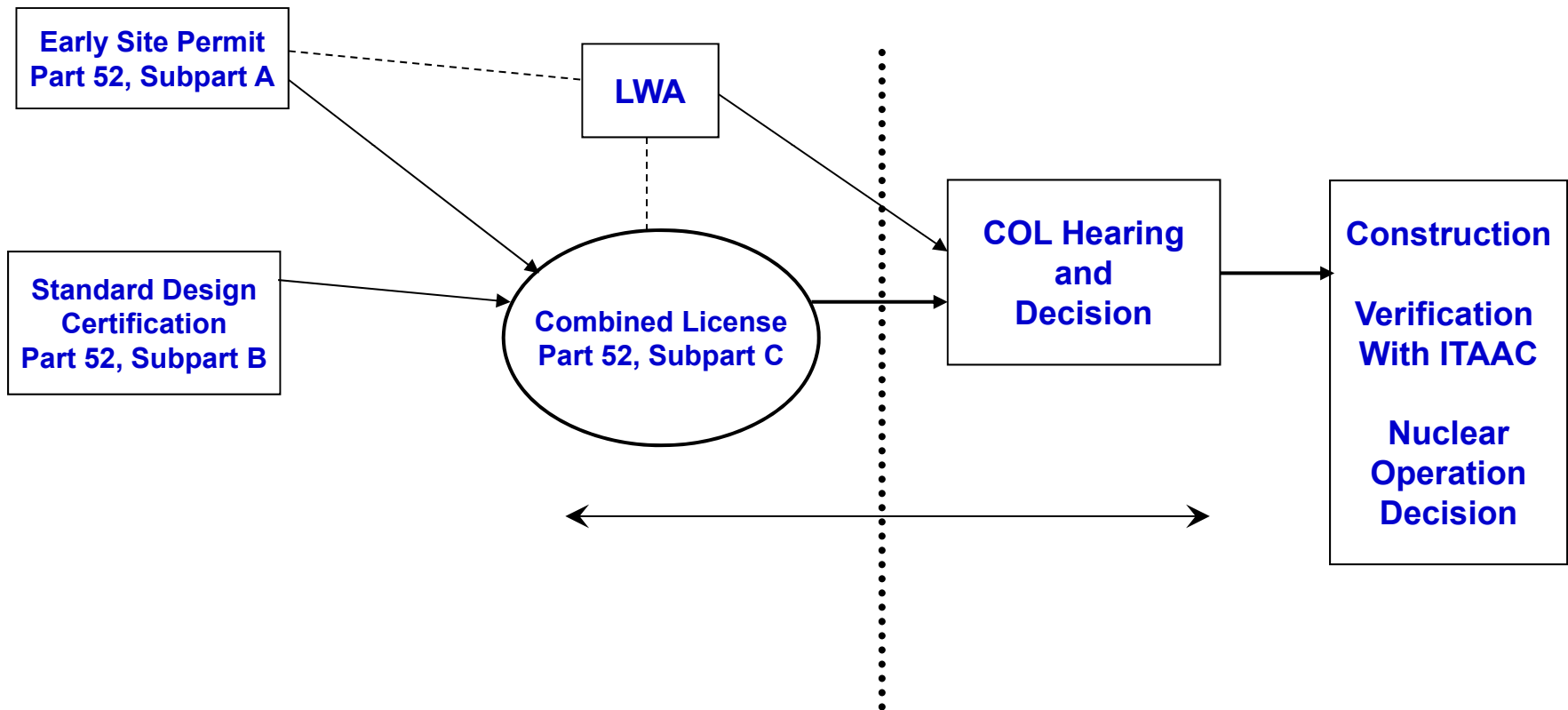


Guidance & Requirements

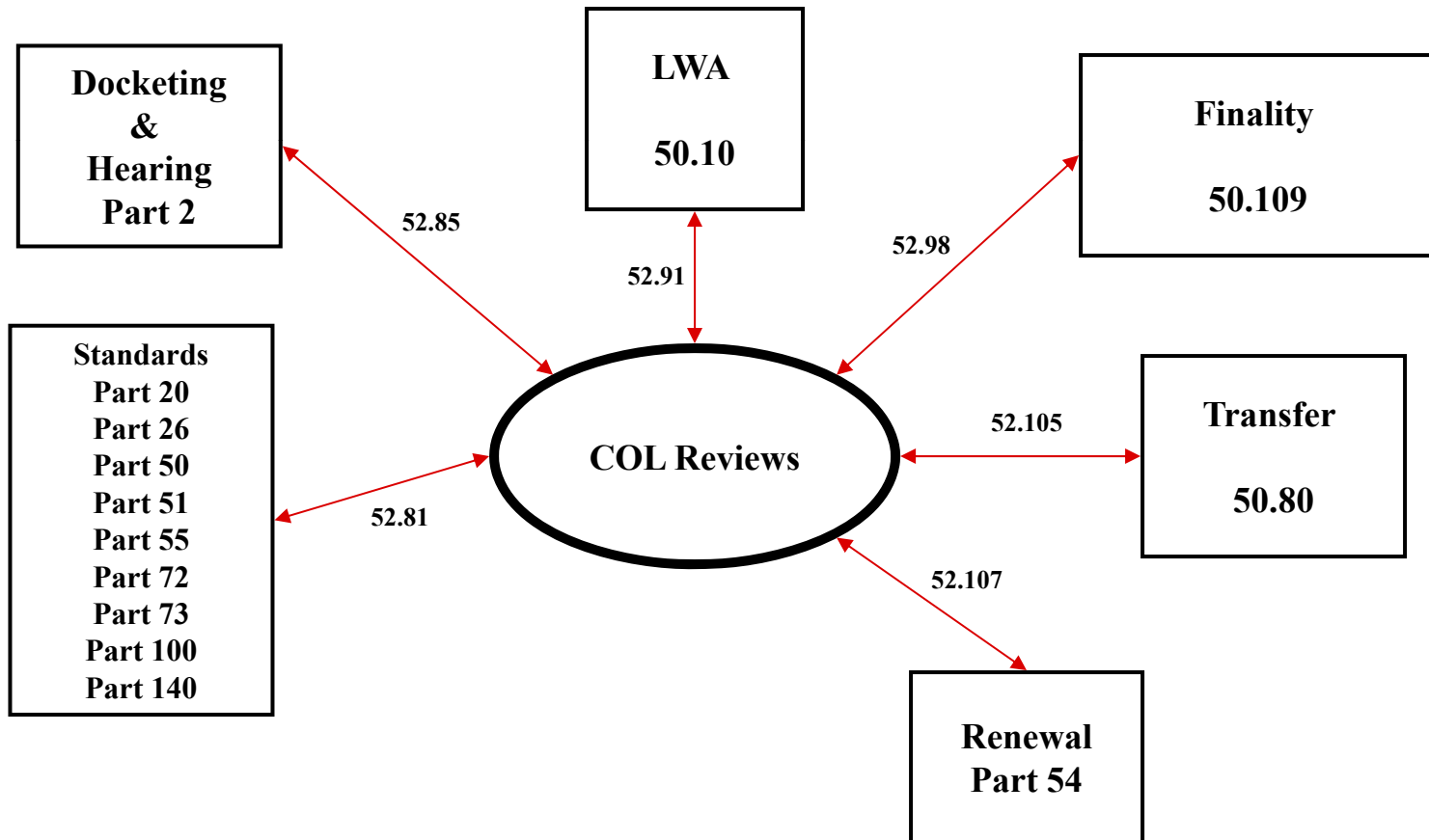
Eric Oesterle

Office of New Reactors

Part 52 Licensing Process



Part 52 uses other Regulations



Guidance

- Regulatory Guide 1.206, “Combined License Applications for Nuclear Power Plants (LWR Edition)” issued June 2007
- NUREG-0800, “Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants” – *safety review*
- NUREG-1555, “Standard Review Plans for Environmental Reviews for Nuclear Power Plants” – *environmental review*



Other Guidance

- Regulatory Guides
- Commission policy (Staff Requirement Memoranda and associated SECY papers)
- NRC-approved or endorsed industry codes and standards
- Technical reports (NUREGs, Topical Reports & Technical Reports)
- Branch Technical Positions (BTPs)
- Interim Staff Guidance (ISG)



Topic 2- Guidance & Requirements

- Part 52 and Associated Regulations
- Standard Review Plan
- Environmental Standard Review Plan
- Regulatory Guides (e.g. RG 1.206)
- Interim Staff guidance
- Associated guidance



Schedule

Eric Oesterle

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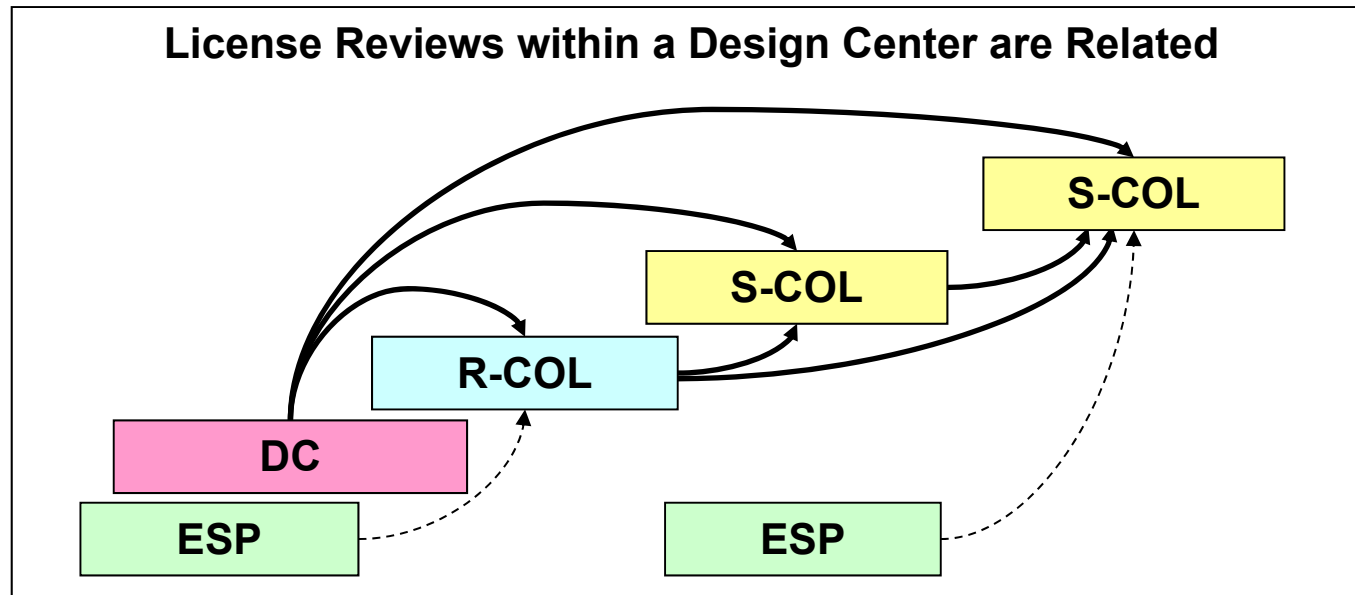


Topic 3 - Schedule

- Design-Centered Review Approach
- 6-phase Safety Review for R-COLs
- 4-phase Safety Review for S-COLs
- Design Certification on 6-phase review plus Rulemaking

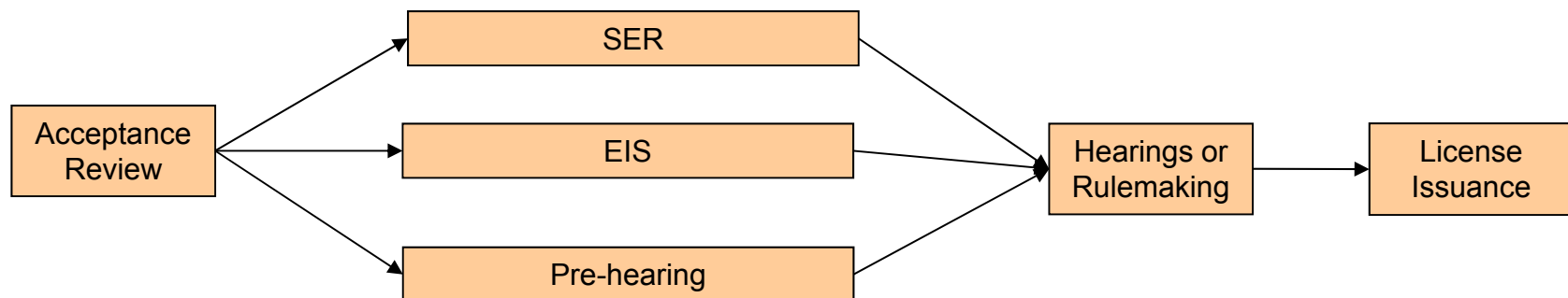
Review Process - DCRA

- Design-centered review approach
 - Reviews organized into design centers based on reactor design (e.g., AP1000, ESBWR, EPR,)
 - Decisions, experience, and lessons-learned from earlier reviews will be applied, where appropriate, to later reviews in the same design center



Licensing Process Parts

- Licensing review for DCs, COLs and ESPs is organized into the same overall work structure
 - Acceptance/Adequacy Review
 - 6-Phase RCOL SER
 - 4-Phase SCOL SER
 - 4-Phase EIS
 - Hearings or rulemaking





Public Participation

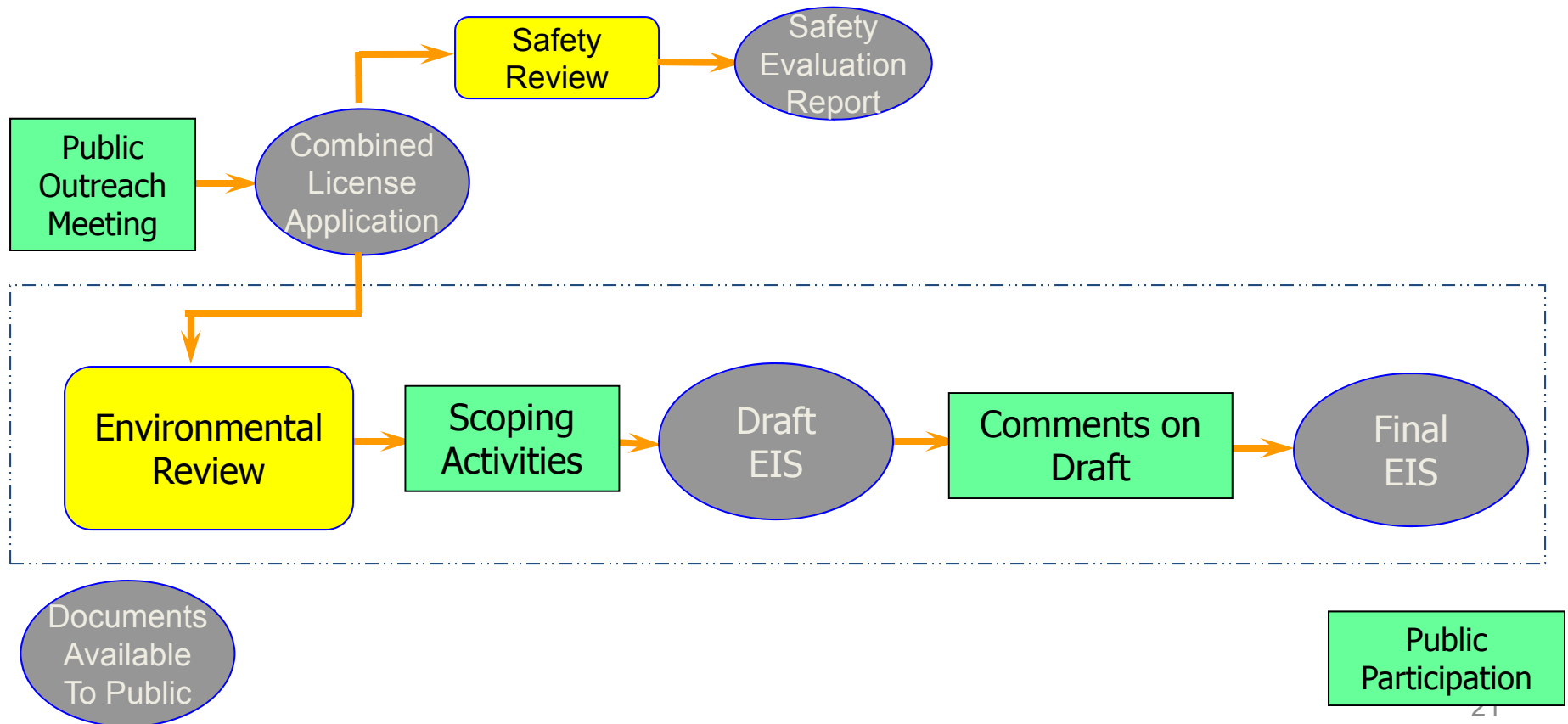
Mallecia Sutton
Office of New Reactors



Topic 4-Public Participation

- Public Outreach Meetings (Safety and Environmental)
- Scoping Meetings (Environmental)
- Draft Environmental Impact Statement Public Meeting

Combined License Application Review Process



End