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Seabrook Public Meeting – ASR Update

**Nuclear Regulatory Commission - Region I
Hampton, NH
June 21, 2016**



NRC Staff

- Raymond Lorson, Director, DRS
- Fred Bower, DRP Branch Chief
- Mel Gray, DRS Branch Chief
- Doug Broaddus, NRR Branch Chief
- Brian Wittick, NRR Branch Chief
- Angela Buford, Structural Engineer, NRR
- Bill Cook, Sr. Reactor Analyst
- Paul Cataldo, Sr. Resident Inspector



AGENDA

- 2015 Safety Performance Overview
- ASR Inspections
- ASR and License Renewal Status
- ASR License Amendment Request
- Question and Answer Session
- Closing Remarks



Seabrook 2015 Assessment Summary

- Operated safely and in a manner that preserved the public health and safety and protected the environment
- Licensee Response Column
- 5,470 hours of inspection and related activities.
- All Green Performance Indicators
- 2 Green Findings



NRC Inspections of Seabrook Structures Affected by ASR

- NRC specialist inspections completed every six months
- NRC issued a violation in 2016 for not evaluating ASR effects of bulk deformation in Containment Enclosure Building and Underground Equipment Vault Wall Cracks
 - Violation of very low safety significance because structural capability was maintained
 - Written response required due to repetitiveness
 - NRC will complete inspection to assess effectiveness of actions to prevent recurrence



License Renewal Status Update

- Need reasonable assurance that ASR aging effects can be adequately managed
- License renewal safety review is ongoing; regulatory decision on the application has not been finalized
- Remaining schedule milestones, including 2nd ACRS Subcommittee meeting, are “to be determined”



License Renewal Status Update

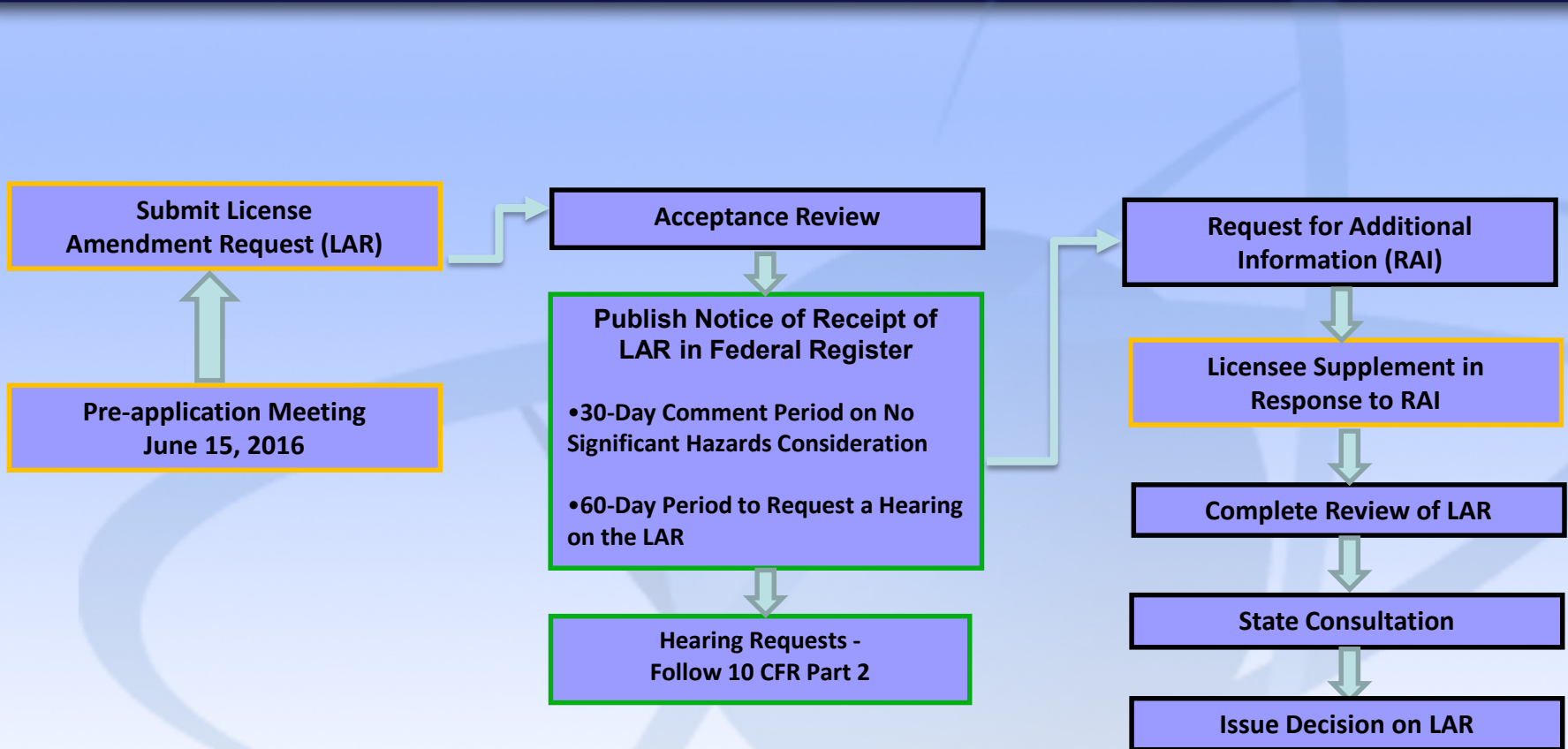
- NextEra submitted latest ASR Monitoring Aging Management Program (AMP) on Dec 3, 2015
- ASR continues to be an Open Item, primarily due to building deformation and macro-cracking manifestations
- Public meeting with NextEra at NRC HQ on April 28, 2016, discussed ASR open issues
- NextEra intends to submit a revised ASR Monitoring AMP in August 2016



ASR License Amendment Request

- Pre-application public meeting with NextEra held June 15, 2016.
 - NextEra stated it intends to submit an ASR license amendment request (LAR) in July 2016.
 - The LAR will request to revise Seabrook's design basis
 - Texas test data is intended to demonstrate that American Concrete Institute code acceptance criteria are met (within limits) for ASR-affected structures.

NRC License Amendment Process





NRC Social Media Channels



- **Web:** <http://www.nrc.gov/>
- **Blog:** <http://public-blog.nrc-gateway.gov/>
- **Flickr:** <http://www.flickr.com/photos/nrcgov/>
- **Twitter:** <https://twitter.com/#!/nrcgov>
- **YouTube:** <http://www.youtube.com/user/NRCgov>

- **Questions?**