



# **AP1000 Construction Inspection**

**Feedback on Observations,  
Perceptions, & Lessons Learned**



# Construction Inspection:

***Verification that the design, as  
implemented in facility construction,  
conforms to the licensing basis***

# The Licensing Basis

- **Maintaining the current licensing basis (CLB) requires perpetual rigor**
- **Impact of the CLB must propagate to the entire consortium design authority for every construction activity**
- **Change process and associated tools in place to aid configuration control, and incorporated in COLs**
  - ISG-25
  - NEI 96-07



## Observed Licensee Challenges

### Documented inspection examples:

- **SSC construction on-site (Vogtle basemat)**
  - understanding change process
  - understanding impact on CLB
- **SSC development off-site (PMS)**
  - understanding of CLB
  - understanding of associated ITAAC

# Perceptions

- All levels of consortium design authority may not be conditioned to the CLB concept (think operating fleet)
- Licensee oversight/engagement of construction activities appears to be inconsistent
- Design authority's extensive Part 50 credentials may not translate to the Part 52 environment

# Lessons / Takeaways

- **Understand the construction environment and inspection/regulatory envelope**
  - Part 52 vs Part 50
  - Scope and scrutiny
- **Understand the ITAAC language and intent**
- **Licensee oversight should provide both technical and licensing perspective**