V.C. Summer Nuclear Station
ITAAC Commissioner Briefing
AD Torres

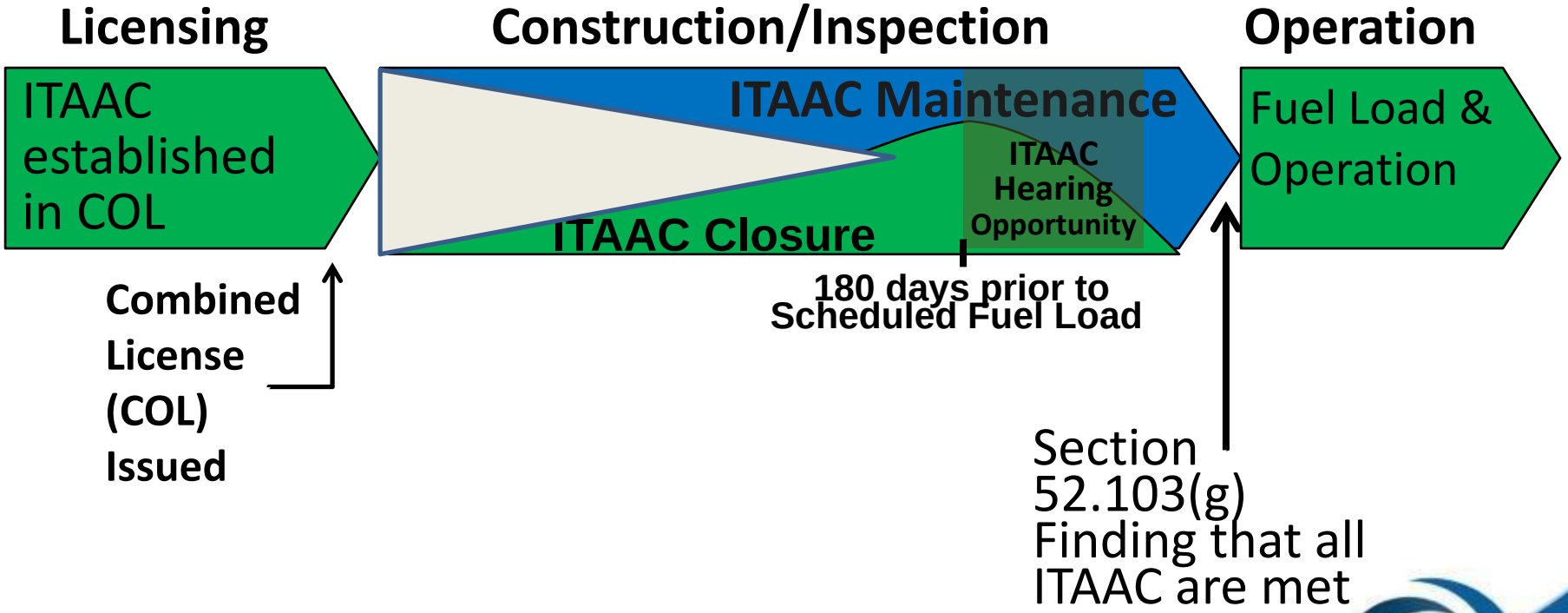
Requirements for ITAAC Performance

- 10 CFR Part 52 – ITAAC provide reasonable assurance that the facility “has been constructed and will be operated in conformance with the License.”
- ITAAC originate from the COL, including those from the referenced DCD, and ESP (if applicable)
  - There are approximately 900 ITAAC per unit for V.C. Summer 2&3

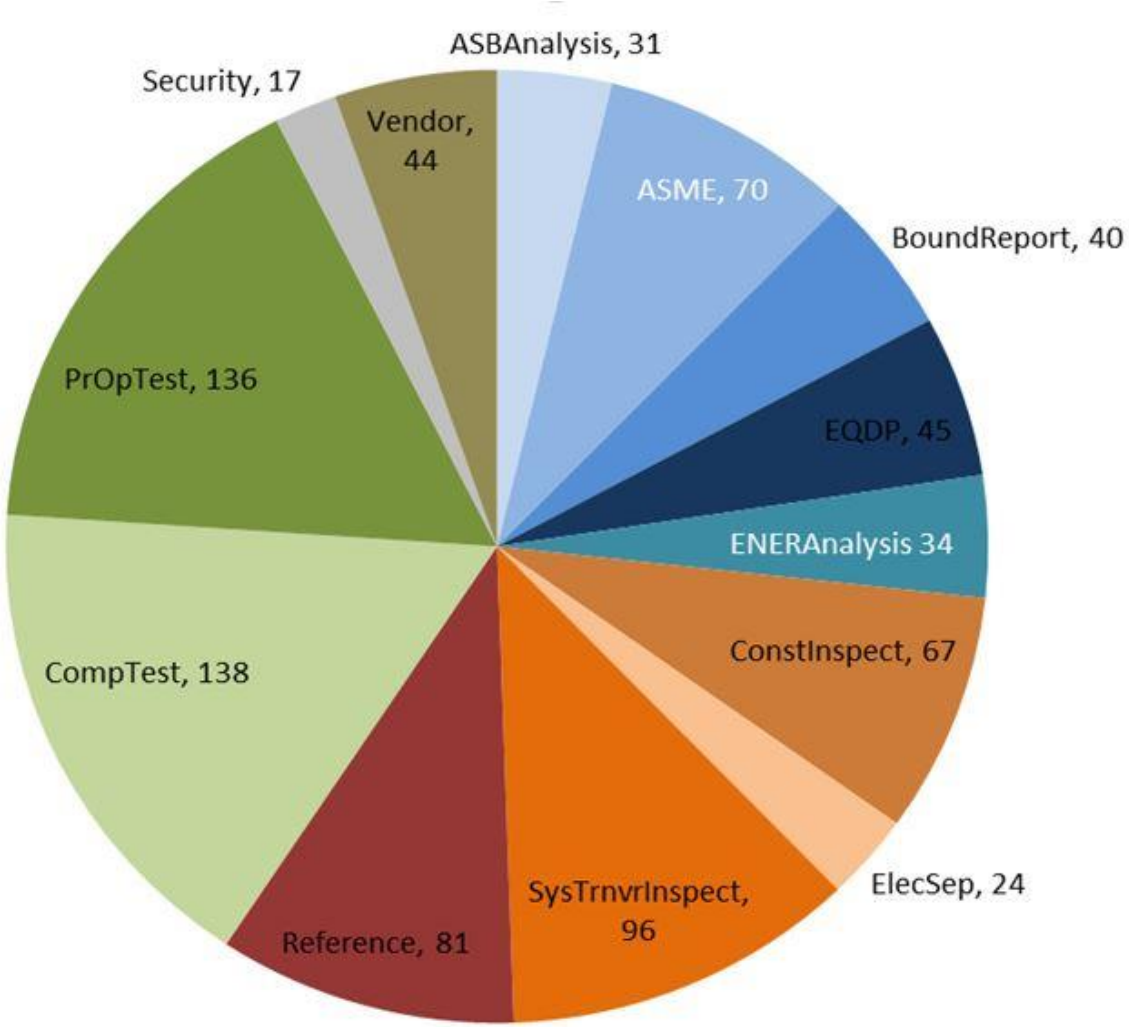
Requirements for ITAAC Performance

- The technical work for ITAAC completion is performed in accordance with normal work processes, requirements, and guidance:
  - 10 CFR 50 Appendix B
  - NRC Regulatory Guides
  - ASME Code Section III
  - ANSI, IEEE, AWS, ACI and other Industry Standards
  - Licensee Programs and Procedures

ITAAC Completion Process



Types of Standard Plant ITAAC



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Security	17

*Classified by the group producing the final documentation utilized to close the ITAAC

Milestones with ITAAC

- Placement of Ring 1 on Unit 2
  - ITAAC 2.2.01.01 - Functional Arrangement CNS
  - ITAAC 2.2.01.02a - ASME III Components
  - ITAAC 2.2.01.03a - Pressure Boundary Weld NDE ASME III
  - ITAAC 2.2.01.05.i - Seismic Cat 1 Equipment on Nuclear Island
- Placement of CA-20 on NI-2
  - ITAAC 3.3.00.01 - Physical Arrangement of Structures
  - ITAAC 2.3.07.07b.i - Spent Fuel Pool Volume
  - ITAAC 2.3.07.07b.ii - Cask Washdown Pit Volume
  - ITAAC 3.3.00.02a.ii.d - As-Built Concrete Wall Thicknesses

Milestones with ITAAC

- Placement of the Unit 3 CVBH
  - ITAAC 2.2.01.01 - Functional Arrangement CNS
  - ITAAC 2.2.01.02a - ASME III Components
  - ITAAC 2.2.01.05.i - Seismic Cat 1 Equipment on Nuclear Island
  - ITAAC 3.3.00.02a.ii.b - As-Built Concrete Thickness of Shield Building
- Exterior wall placements begin in Unit 3
  - ITAAC 3.3.00.02a.ii.c - As-Built Concrete Wall Thicknesses (Non-Rad)
  - ITAAC 3.3.00.02a.ii.d - As-Built Concrete Wall Thicknesses (Rad)
  - ITAAC 3.3.00.03c - Shield Wall and Floor Thickness (Non-Rad)
  - ITAAC 3.3.00.03d - Shield Wall and Floor Thickness (Rad)
- Turbine Building Foundation Start Unit 3
  - ITAAC 3.3.00.01 - Physical Arrangement of Structures

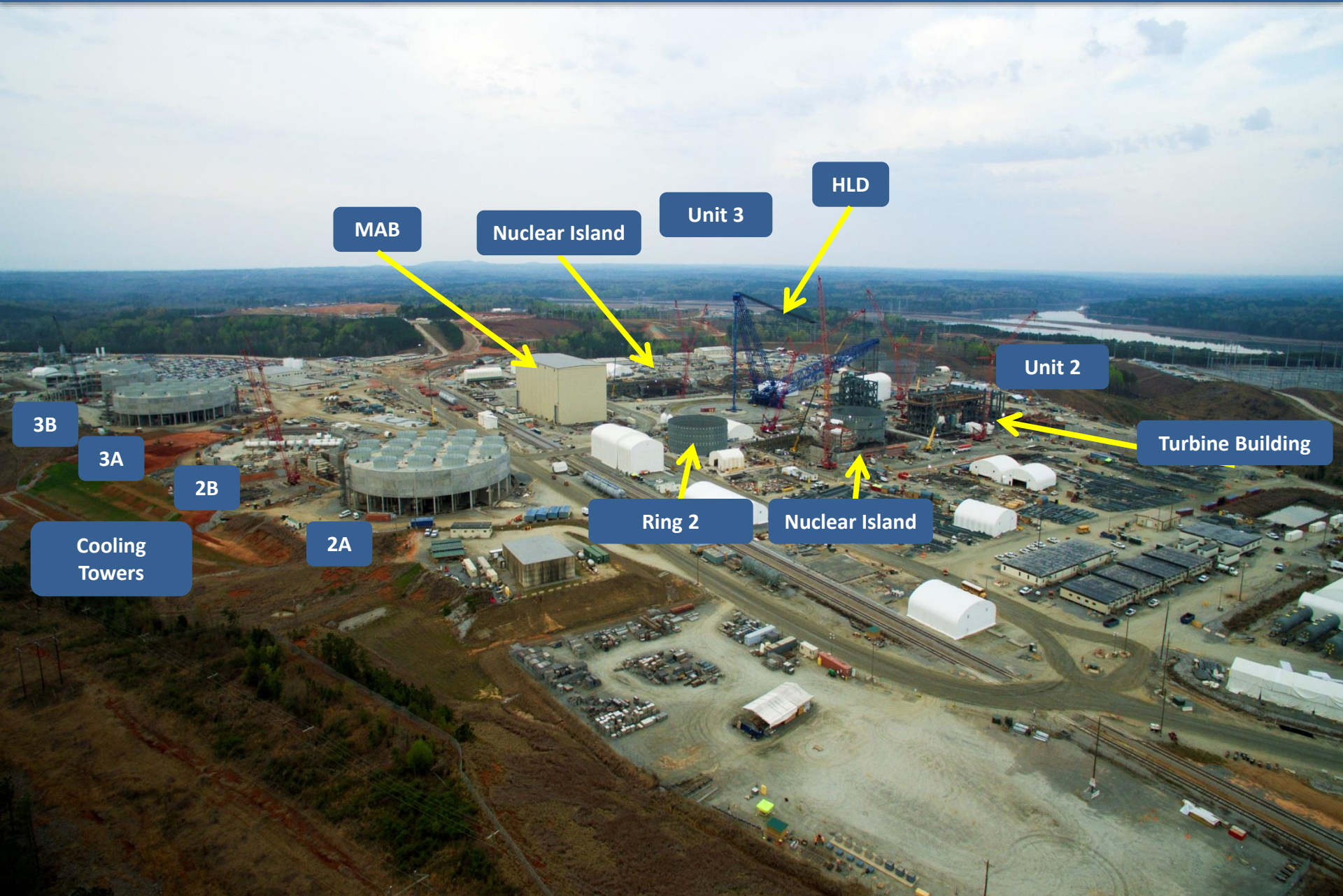
Lessons Learned

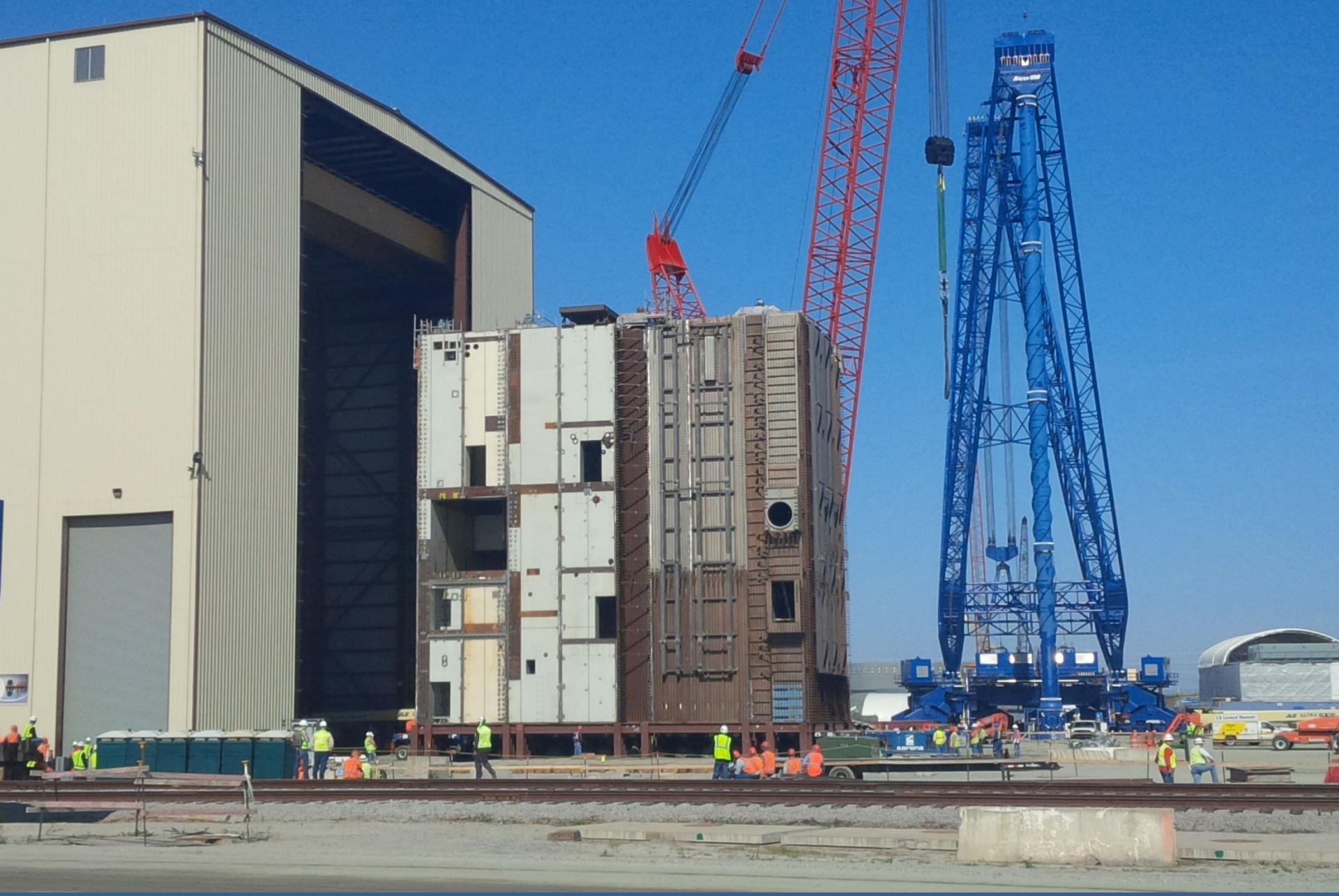
- *Clarification of ITAAC requirements to Vendors*
- *Importance of common understanding of documentation requirements*
- *Validation in Vendor shops*
- *Completeness of critical information*
- *Closure package preparation*
- *Periodic assessment on process*

Lessons Learned

- *NEI 08-01, Rev. 5, Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52, endorsed by NRC Regulatory Guide 1.215*
- *ITAAC Integrated Project Teams*
- *Monthly and quarterly NRC inspection planning meetings*
- *Alignment with Vogtle*

NND Site Aerial View (From Plant Southeast)





CA20 Transport

Module CA01 (Unit # 2)

Unit 2 Nuclear Island

Unit 2 Nuclear Island – Layer 2 Concrete in Containment

Unit 2 CA05 Set

Steam Generator Lift

SCE&G

Mangiarotti Manufacturing

Unit 3 Pressurizer Prep for Ship

Questions