



### Preparations for ITAAC -Vogtle 3&4 Experience

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### **Preparations for ITAAC Closure**

- Constructive public interactions with NRC (SECY-11-0111)
  - NRC Construction Inspection Program
  - NRC Region II
  - Simulated ITAAC Closure and Verification
    Demonstration sponsored by DOE
- ITAAC closure process development and oversight

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- Contractor interactions and oversight
- Ongoing development of process



### **Early Construction Experience**

- LWA value
  - Limited scope construction program development
  - Early exercise of ITAAC process
- Contractual alignment Licensee is Responsible

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- Licensee oversight



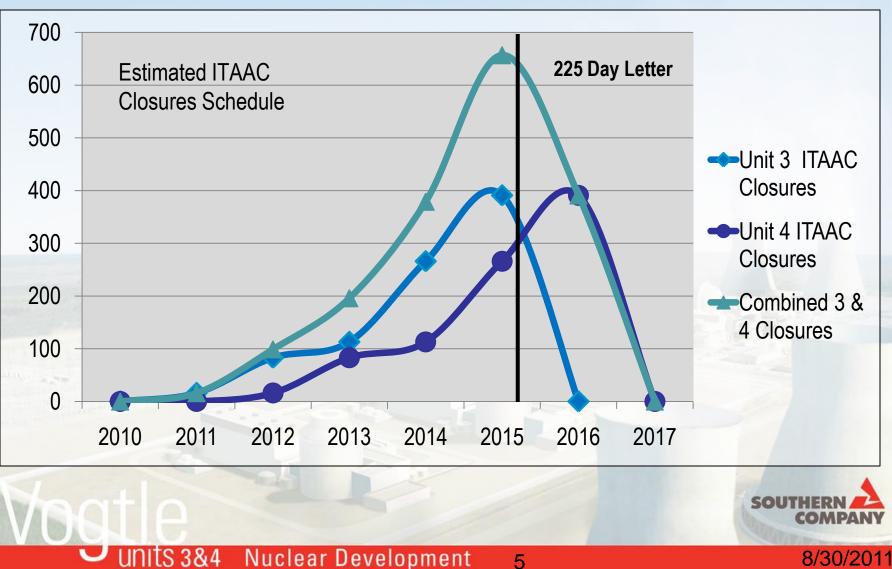
## Vogtle 3 and 4 Status

- ITAAC Underway
  - RPV charpy
  - Type tests
  - Backfill shear wave velocity
  - Waterproof membrane
- First ITAAC Closure Notification submittal soon

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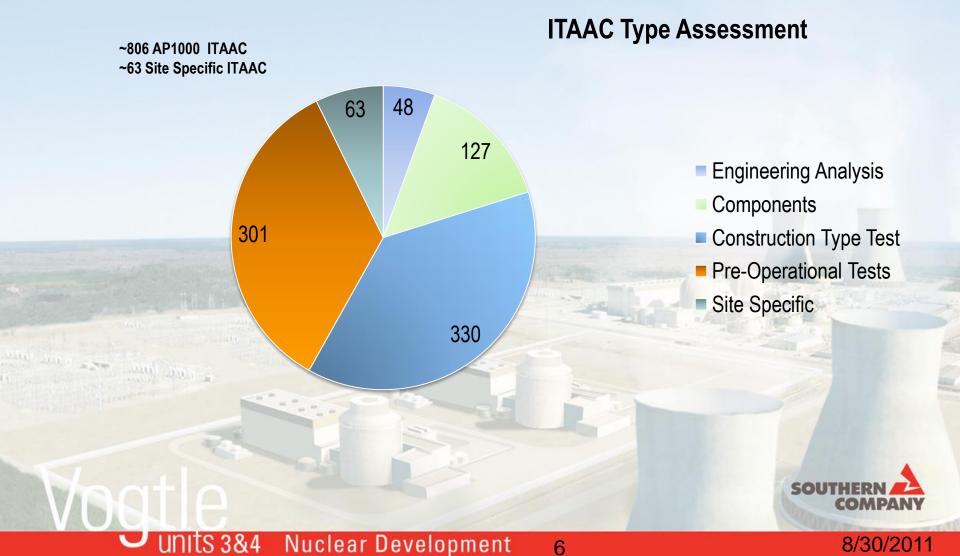


#### **ITAAC Process – The Challenge Ahead**



1ITS 3&4 Nuclear Development

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### **ITAAC Process – The Challenge Ahead**

• 20% of ITAAC have higher levels of complexity

Design Commitment	Inspections, Tests, or Analyses	Acceptance Criteria
The Class 1E equipment identified in Table 2.1.2-1 as being qualified for a harsh environment can withstand the environmental conditions that would exist before, during, and following a design basis accident	Type tests, analyses, or a combination of type tests and analyses will be performed on Class 1E equipment located in a harsh environment.	A report exists and concludes that the Class 1E equipment identified in Table 2.1.2-1 as being qualified for a harsh environment

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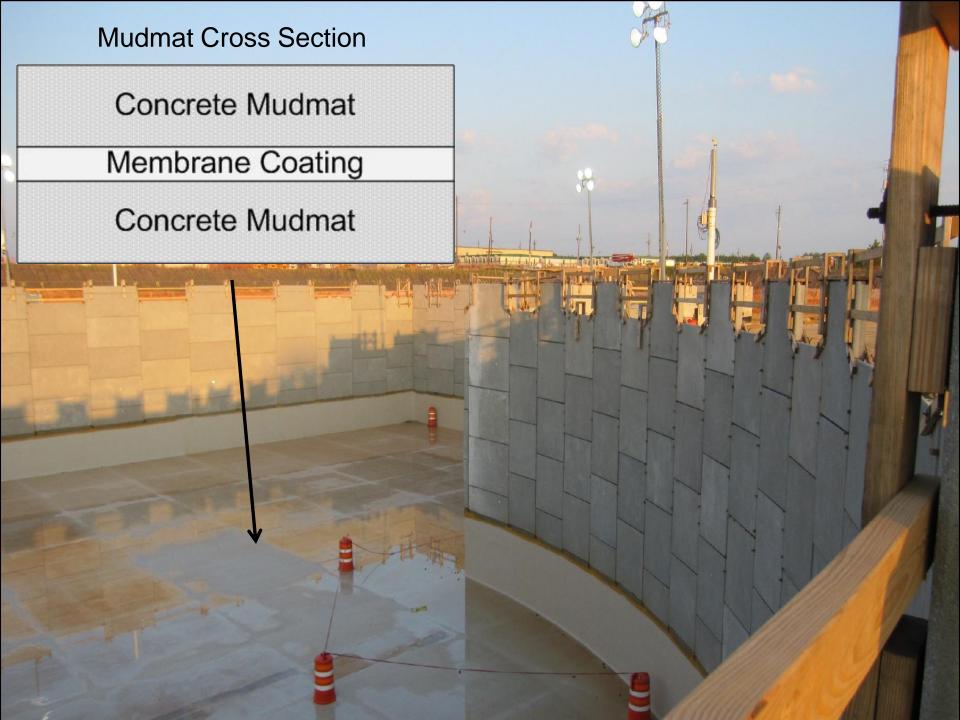
#### **ITAAC Process – Recent Lessons Learned**

Waterproof membrane ITAAC

Design Commitment	Inspections, Tests, <u>Analyses</u>	Acceptance Criteria
The friction coefficient to resist sliding is 0.7 or higher	Testing will be performed to confirm that the mudmat- waterproof-mudmat interface beneath the Nuclear Island basemat has a minimum coefficient of friction to resist sliding of 0.7	A report exists and documents that the as-built waterproof system (mudmat-waterproofing- mudmat interface) has a minimum coefficient of friction of 0.7 as demonstrated through material qualification testing.

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# **Moving Forward**

- Major area of focus between industry and NRC
- Progress continues to be made
  - Closure process maturing
  - Maintenance process developing
- Future demonstration projects may be appropriate to obtain greater clarity

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ITAAC lead plant approach for standard plant inspections

