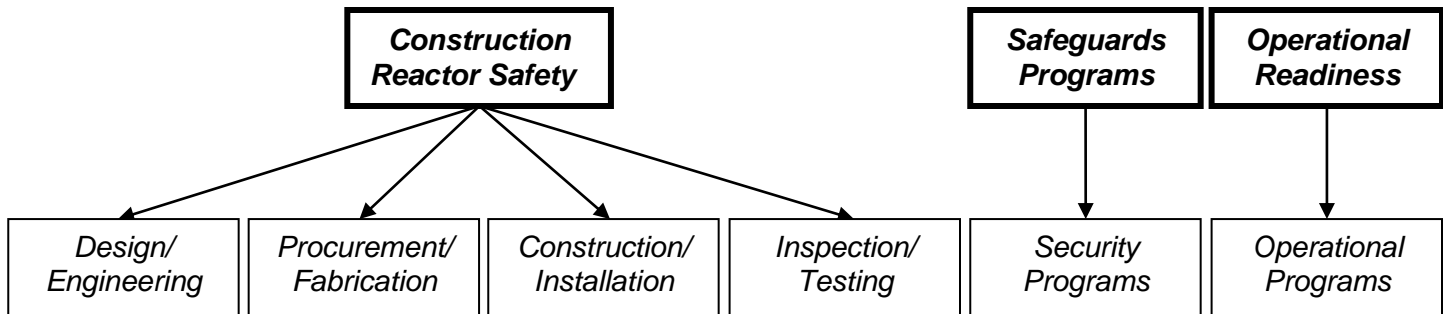


## Vogle Unit 3 2Q/2014 Performance Summary

[Construction Action Matrix Column:](#)  
[Licensee Response](#)



### Most Significant Inspection Findings

2Q/2014	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
1Q/2014	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
4Q/2013	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/2013	No findings this quarter	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter

### Additional Inspection and Assessment Information

- ❖ [List of Construction Inspection Reports](#)
- ❖ [List of Construction Assessment Reports/Inspection Plans](#)

## Design Engineering

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**Identified By:** NRC

**Identification Date:** 03/31/14

**Significance:** Green

**Item Type:** ITAAC Finding

### Inadequate Anchorage of Shear Stirrups in Precast Elements of Reinforced Concrete Slabs

The inspectors identified an ITAAC finding of very low safety significance (Green) and associated non-cited violation of 10 CFR Part 50, Appendix B, Criterion III, "Design Control" for SNC's failure, through their contractor Westinghouse, to correctly translate regulatory requirements into specifications, drawings, procedures, and instructions. During an inspection of precast concrete panels being fabricated for use as elements of the reinforced concrete slabs in the elevated floors of the Unit 3 auxiliary building, the inspectors observed that the design did not conform to the requirements of ACI 349-01, a Tier 2\* licensing commitment for Seismic Category I structures. Specifically, longitudinal bars were missing from some of the bends in the U-stirrups that had been installed for resistance and transfer of vertical and horizontal shear forces, respectively. The presence of a longitudinal bar in the bends of the stirrups is required by Section 12.13.3 of ACI 349-01 to provide adequate anchorage of the stirrups.

The inspectors determined the performance deficiency was more than minor because it represented a substantive non-conservative error in a design document that defines the technical requirements for the reinforced concrete slabs in the auxiliary building. The inspectors evaluated the finding using the construction significance determination process and determined the finding was of very low safety significance (Green) because installation of the precast panels had not begun. The finding was determined to be an ITAAC finding because it was material to the acceptance criteria of Unit 3 ITAAC 763. The acceptance criteria of this ITAAC requires that a reconciliation report, concluding the "as-built" construction conforms to the approved design, is completed for the areas associated with the ITAAC. This finding is associated with deviations from design requirements that would not have been reconciled by the licensee as required by the ITAAC. The inspectors screened the finding for a possible construction cross-cutting aspect (CCA) and determined that it was not related to any of the CCAs discussed in IMC 0613.

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## Procurement/Fabrication

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**Identified By:** NRC

**Identification Date:** 9/30/2013

**Significance:** Green

**Item Type:** ITAAC Finding

### Inadequate Source and Receipt Inspections of Safety Related Embed Plates

The inspectors identified an ITAAC finding of very low safety significance (Green) and associated non-cited violation (NCV) of 10 CFR Part 50, Appendix B, Criterion VII, "Control of Purchased Material, Equipment, and Services," for SNC's failure, through their contractor Chicago Bridge and Iron (CB&I), to perform adequate inspections of safety-related embed plates at supplier facilities and failure to perform adequate examinations of these embed plates upon delivery, to assure the plates conformed to the procurement documents. The violation was entered into the licensee's corrective action program as condition report (CR) 695726 and corrective action record (CAR) 207908, to ensure actions were taken to correct the condition.

The performance deficiency had greater than minor safety significance because it was associated with the process and material control attributes of the Procurement / Fabrication Cornerstone and adversely

affected the cornerstone objective of ensuring that the licensee's programs and processes were adequately developed and implemented for procurement and fabrication activities. The finding represented an ITAAC finding because it was material to the acceptance criteria of Vogtle Unit 3 ITAACs 762 and 763, in that, if left uncorrected, the licensee could not show that the acceptance criteria of these ITAACs were met. The finding was evaluated under the construction significance determination process as outlined in IMC 2519, Appendix A. The finding was of very low safety significance (Green) because the nonconforming embed plates had not been installed in the nuclear island, and the licensee was able to demonstrate in their Part 21 evaluation, that, if left uncorrected, the affected portions of the structure would have been able to meet their design functions. The finding had a cross-cutting aspect in the area of baseline inspection, corrective action program A.5(c).

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## **Construction/Installation**

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