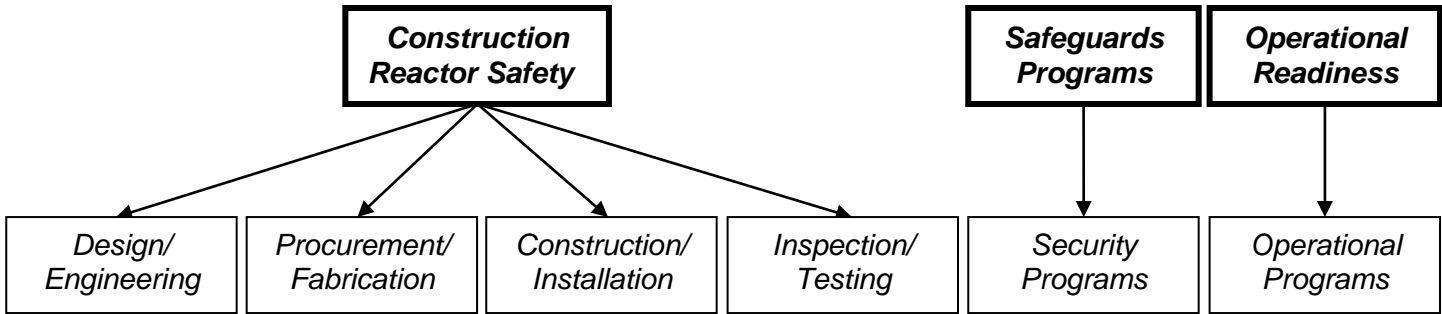


Summer Unit 3 4Q/2014 Performance Summary

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



Most Significant Inspection Findings

4Q/2014	G	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter	No findings this quarter
3Q/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
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	No findings this quarter	No findings this quarter	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

Identified By: NRC

Identification Date: 12/31/2014

Significance: Green

Item Type: ITAAC Finding

Failure to Correctly Translate ACI 349-01 Development Length Requirements into Design Drawings

The inspectors identified an ITAAC finding of very low safety significance (Green) and associated non-cited violation (NCV) of 10 Code of Federal Regulations (CFR) Part 50, Appendix B, Criterion III, "Design Control" for the licensee's failure, through their contractor Westinghouse, to correctly translate design basis requirements into specifications, drawings, procedures, and instructions. Specifically, the inspectors identified that the licensee installed safety-related reinforcing steel in the VC Summer Unit 3 containment internal structures basemat that was not compliant with the design basis requirements established by American Concrete Institute (ACI), 349-01, "Code Requirements for Nuclear Safety Related Concrete Structures;" and design calculation APP-1100-CCC-003, "Design Calculation, Containment Mass Concrete Reinforcement, Elevation 66'-6" to 71'-6", Rev. 0, in that hooked bars with extended tails were installed at an embedment depth less than that required for a standard hook. The licensee entered the issue in their corrective action program as CR-NND-14-01659.

The finding was associated with the Design/Engineering cornerstone. The inspectors determined the performance deficiency was more than minor because it represented a substantive non-conservative error in a design document that defined the technical requirements for the Vertical Reinforcement inside of the containment vessel bottom head. The inspectors evaluated the finding using the construction significance determination process and determined the finding was of very low safety significance (Green) because the licensee was able to demonstrate with reasonable assurance that the design function of the applicable structure would not be impaired by the deficiency. The finding was determined to be an ITAAC finding because it was material to the acceptance criteria of Unit 3 ITAAC 760 (3.3.00.02a.i.a). 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, because WEC issued for construction design drawings contained deviations, which did not meet ACI 349-01, which is a Tier 2* licensing commitment for Seismic Category I structures. This finding has a cross-cutting aspect in the area of Baseline Inspection, Problem Identification and Resolution, because the licensee failed to implement construction experience to ensure construction quality. [P.5]

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