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ND-16-2157
10 CFR 52.99(c)(3)

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3
Notice of Uncompleted ITAAC 225-days Prior to Initial Fuel Load
Item 2.3.05.03a.i [Index Number 343]

Ladies and Gentlemen:

Pursuant to 10 CFR 52.99(c)(3), Southern Nuclear Operating Company hereby notifies the NRC that as of October 14, 2016, Vogtle Electric Generating Plant (VEGP) Unit 3 Uncompleted Inspection, Test, Analysis, and Acceptance Criteria (ITAAC) Item 2.3.05.03a.i [Index Number 343] has not been completed greater than 225-days prior to initial fuel load. The Enclosure describes the plan for completing ITAAC 2.3.05.03a.i [Index Number 343]. Southern Nuclear Operating Company will at a later date provide additional notifications for ITAAC that have not been completed 225-days prior to initial fuel load.

This notification is informed by the guidance described in NEI-08-01, *Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52*, which was endorsed by the NRC in Regulatory Guide 1.215. In accordance with NEI 08-01, this notification includes ITAAC for which required inspections, tests, or analyses have not been performed or have been only partially completed. All ITAAC will be fully completed and all Section 52.99(c)(1) ITAAC Closure Notifications will be submitted to NRC to support the Commission finding that all acceptance criteria are met prior to plant operation, as required by 10 CFR 52.103(g).

This letter contains no new NRC regulatory commitments.

If there are any questions, please contact David Woods at 706-848-6903.

Respectfully submitted,


Michael J. Yox
Regulatory Affairs Director Vogtle 3&4

U.S. Nuclear Regulatory Commission
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Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3
Completion Plan for Uncompleted ITAAC 2.3.05.03a.i [Index Number 343]

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Subject: Uncompleted ITAAC 2.3.05.03a.i [Index No. 343]

ITAAC Statement

Design Commitment

3.a) The polar crane is single failure proof.

Inspections/Tests/Analyses

i) Validation of double design factors is provided for hooks where used as load bearing components. Validation of redundant factors is provided for load bearing components such as:

- Hoisting ropes*
- Sheaves*
- Equalizer assembly*
- Holding brakes*

Acceptance Criteria

i) A report exists and concludes that the polar crane is single failure proof. A certificate of conformance from the vendor exists and concludes that the polar crane is single failure proof.

ITAAC Completion Description

Multiple ITAAC are performed to demonstrate that the polar crane is single failure proof. The subject ITAAC requires that validation of double design factors is provided for hooks where used as load bearing components, and that validation of redundant factors is provided for load bearing components such as hoisting ropes, sheaves, equalizer assembly and holding breaks.

The polar crane is a single failure proof design which conforms to the guidelines of NUREG-0554, "Single-Failure-Proof Cranes for Nuclear Power Plants" (Reference 1), supplemented by American Society of Mechanical Engineers (ASME) NOG-1-1998, "Rules for Construction of Overhead and Gantry Cranes (Top Running Bridge, Multiple Girder)" (Reference 2). Single failure proof design is described in NUREG-0554 as "a single failure will not result in the loss of the capability of the system to safely retain the load." The requirements to follow NUREG-0554, supplemented by ASME NOG-1-1998, for the design of the polar crane are imposed in the Polar Crane Design Specification (Reference 3).

A Polar Crane Single Failure Proof Report (Reference 4) exists and concludes that the polar crane is single failure proof. Additionally a Certificate of Conformance (Reference 5) from the polar crane vendor (manufacturer) exists and concludes that the polar crane is single failure

proof. The Polar Crane Single Failure Proof Report and the Polar Crane Certificate of Conformance are available for NRC inspection as part of the ITAAC Completion Package (Reference 6).

List of ITAAC Findings

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC.

References (available for NRC inspection)

1. NUREG-0554, "Single-Failure-Proof Cranes for Nuclear Power Plants", 1979
2. ASME NOG-1-1998, "Rules for Construction of Overhead and Gantry Cranes (Top Running Bridge, Multiple Girder)"
3. APP-MH01-Z0-101, Design Specification, "AP1000 Polar Crane"
4. Polar Crane Single Failure Proof Report YYY
5. Certificate of Conformance XXX for the Polar Crane
6. ITAAC 2.3.05.03a.i Completion Package
7. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"