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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 3 and Unit 4
ITAAC Closure Notification on Completion of ITAAC C.2.6.09.01 [Index Number 658]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item C.2.6.09.01 [Index Number 658] for verifying the last access control point to the protected area is bullet-resistant. The closure process for this ITAAC is based on the guidance described in Nuclear Energy Institute (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.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Tom G. Petrak at 706-848-1575.

Respectfully submitted,

Michael J. Yox
Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion of ITAAC C.2.6.09.01 [Index Number 658]

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Southern Nuclear Operating Company
ND-17-1950
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 3 and Unit 4
Completion of ITAAC C.2.6.09.01 [Index Number 658]

ITAAC Statement

Design Commitment:

1. The external walls, doors, ceiling, and floors in the location within which the last access control function for access to the protected area is performed are bullet-resistant to at least Underwriters Laboratory Ballistic Standard 752, level 4.

Inspections, Tests, Analyses:

Type test, analysis, or a combination of type test and analysis will be performed for the external walls, doors, ceilings, and floors in the location within which the last access control function for access to the protected area is performed.

Acceptance Criteria:

The external walls, doors, ceilings, and floors in the location within which the last access control function for access to the protected area is performed are bullet-resistant to at least Underwriters Laboratory Ballistic Standard 752, level 4.

ITAAC Determination Basis

A combination of type test and analysis was performed demonstrating that the external walls, doors, ceilings, and floors in the location within which the last access control function for access to the protected area is performed are bullet-resistant to at least Underwriters Laboratory (UL) Ballistic Standard 752, Level 4.

The location within which the last access control function for access to the protected area is performed is in the Personnel Access Point (Building 304). This building is common and applicable to both Vogtle Units 3 and 4.

Type testing was performed on the materials used to construct the walls, doors, ceilings, and windows of the bullet resistant enclosure in the Personnel Access Point building to a level exceeding UL 752 Level 4 using guidance in Regulatory Guide 5.76 (Reference 1). The tests consisted of discharging a weapon using the appropriate caliber ammunition at a sample of the material in a controlled environment and inspecting the material to ensure protection is provided against complete penetration, passage of fragments of projectiles, or spalling (fragmentation) of the protective material to the degree that injury would be caused to a person standing directly behind the bullet-resisting barrier.

Analyses were performed which demonstrate that the as-built concrete floor slab of the bullet resistant enclosure in the Personnel Access Point building meets the bullet resistance criteria. The analyses verified the as-built floor attributes (e.g. floor thickness, compressive strength, and reinforcement) met or exceeded each of the key design attributes needed to prevent penetration and spallation.

The results are documented in a summary report (Reference 2) which concludes that the external walls, doors, ceilings, and floors in the location within which the last access control

function for access to the protected area is performed are bullet-resistant to at least Underwriters Laboratory Ballistic Standard 752, Level 4.

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all ITAAC findings pertaining to the subject ITAAC and associated corrective actions. This review found that there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review document number is included in the Vogtle Units 3 and 4 ITAAC Completion Package for ITAAC C.2.6.09.01 (Reference 3) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC C.2.6.09.01 was performed for Vogtle Units 3 and 4 and that the prescribed acceptance criteria are met. Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. Regulatory Guide 5.76, "Physical Protection Programs at Nuclear Power Reactors," July 2009

2. SV0-SES-ITR-800000, Rev. 2, "ITAAC # C.2.6.09.01 (658) Building 304 Bullet Resistant Enclosure (BRE) Summary Report"

3. ITAAC Completion Package C.2.6.09.01-U0-CP-Rev 0