



April R. Rice  
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New Nuclear Licensing

March 30, 2017  
NND-17-0161  
10 CFR 52.99(c)(1)

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Virgil C. Summer Nuclear Station (VCSNS) Unit 3  
Combined License No. NPF-94  
Docket Number 52-028  
ITAAC Closure Notification on Completion of ITAAC 2.3.04.09 [Index No. 336]

Attachments: (1) References

The purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) in accordance with 10 CFR 52.99(c)(1) of the completion of Virgil C. Summer Nuclear Station (VCSNS) Unit 3 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.3.04.09 for concluding the Fire Protection System (FPS) diesel-driven fire pump fuel tank volume is at least 385 gallons. The closure process for this ITAAC is based on the guidance described in NEI 08-01 (Reference 1), which was endorsed by the NRC in Regulatory Guide 1.215.

### **ITAAC Statement**

#### **Design Commitment:**

*9. The fuel tank for the diesel-driven fire pump is capable of holding at least 385 gallons.*

#### **Inspections, Tests, Analyses:**

*Inspection of the diesel-driven fire pump fuel tank will be performed.*

#### **Acceptance Criteria:**

*The volume of the diesel driven fire pump fuel tank is at least 385 gallons.*

### **ITAAC Determination Basis**

An inspection was performed to demonstrate that the diesel-driven fire pump fuel tank is capable of holding at least 385 gallons.

The volume of the diesel-driven fire pump fuel tank was determined by a dimensional inspection to measure the diameter and length of the inner cylindrical fuel tank. The usable volume was determined using the inspection results and accounted for deductions of 5% for sump volume, and 5% for expansion in accordance with NFPA-20 "Standard for the Installation of Stationary Pumps for Fire Protection" (Reference 2).

The inspection results of the diesel-driven fire pump fuel tanks are documented in VS3-MS32-VTR-850023 (C0114872 Fuel Tank Data Sheets) (Reference 3) which confirms the tank volume is 432.5 gallons and meets the ITAAC acceptance criteria.

### **ITAAC Finding Review**

In accordance with plant procedures for ITAAC completion, SCE&G performed a review of all ITAAC findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 2.3.04.09 (Reference 4) and available for NRC inspection.

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**ITAAC Completion Statement**

Based on the above information, SCE&G hereby notifies the NRC that ITAAC 2.3.04.09 was performed for VCSNS Unit 3 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.

We request NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99(e)(1).

If there are any questions, please contact Ryder Thompson at (803) 941-9812.

Sincerely,



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New Nuclear Deployment

RT/AR/hz

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**Attachment 1**

**References (available for NRC inspection):**

1. NEI 08-01, "Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52"
2. NFPA 20, "Standard for the Installation of Stationary Pumps for Fire Protection"
3. VS3-MS32-VTR-850023 (C0114872 Fuel Tank Data Sheets)
4. ITAAC 2.3.04.09 Completion Package