



April R. Rice
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New Nuclear Licensing

August 18, 2016
NND-16-0325
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 for ITAAC C.3.8.01.02.03 [Index No. 845]

Attachments: 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 C.3.8.01.02.03 for verifying that a test of the Alert and Notification Systems (ANS) demonstrates the capability to notify and provide instructions to the public. 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:

2.3 The means exists to notify and provide instructions to the populace within the plume exposure EPZ. [E.6]

Inspections, Tests, Analyses:

2.3 The full test of the ANS capabilities will be conducted.

Acceptance Criteria:

2.3 The ANS was demonstrated to notify and provide instructions to the public and was demonstrated to meet the design objectives, as stated in the emergency plan.

ITAAC Determination Basis

A full test of the Alert and Notification Systems (ANS) was conducted to demonstrate that the means exist to notify and provide instructions to the populace within the plume exposure Emergency Planning Zone (EPZ).

Part 2, Section E of the V.C. Summer Nuclear Station (VCSNS) Radiation Emergency Plan – Units 2 & 3 (Reference 2) describes the notification methods and procedures, including notification of the public through the ANS. As stated in the Emergency Plan, the ANS consists of fixed sirens. The locations of the sirens were determined by a comprehensive engineering study that addressed population density, geographical features, siren output, and mounting heights of sirens, to ensure coverage of the EPZ.

The notification capability to the public consists of two principal elements: (1) the ANS and (2) the Emergency Alert System (EAS) radio or television systems. Activation of the ANS sirens alerts the public to turn on their radios or television to a local EAS station for detailed information on the emergency situation. The EAS provides instructions to the public through pre-scripted messages and is directed and controlled by civil authorities, not VCSNS.

A full test of the ANS was conducted in accordance with site procedure VCS-EPMP-0100, "Maintenance of the Early Warning Siren System (EWSS)" (Reference 3). The ANS sirens maintained a steady signal for three full minutes. Following activation of the sirens, the ANS control computer polled each of the sirens for a response indicating either successful activation, or siren failure. No failure indications were noted on any siren.

The results of this test are documented in the polling report for Preventative Maintenance Task Sheet (PMTS) 1509177-001 CORRECTED (Reference 4), and demonstrate that the ANS is capable of notifying the public. The EAS provides instructions to the public upon activation of the ANS. Therefore, the ANS, in conjunction with the EAS, was capable of notifying and providing instructions to the public, and meets the design objectives, as stated in the emergency plan.

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, SCE&G performed a review of all 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 is documented in the ITAAC Completion Package for ITAAC C.3.8.01.02.03 (Reference 5) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SCE&G hereby notifies the NRC that ITAAC C.3.8.01.02.03 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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References (available for NRC inspection):

1. NEI 08-01, Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52
2. Radiation Emergency Plan – Units 2 & 3
3. VCS-EPMP-0100, “Maintenance of the Early Warning Siren System (EWSS)”
4. PMTS 1509177-001 CORRECTED
5. V.C. Summer Unit 3 ITAAC C.3.8.01.02.03 Completion Package