



April R. Rice
Manager
New Nuclear Licensing

April 17, 2015
NND-15-0036
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 2
Combined License No. NPF-93
Docket Number 52-027
ITAAC Closure Notification for ITAAC 2.5.02.13 [Index No. 552]

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 2 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.5.02.13 for verifying that a report exists and concludes that an adequate process exists for commercial grade dedication of computer hardware and software items in the Protection and Safety Monitoring System (PMS). 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:

13. The use of commercial grade computer hardware and software items in the PMS is accomplished through a process that specifies requirements for:

- a) Review of supplier design control, configuration management, problem reporting, and change control.*
- b) Review of product performance.*
- c) Receipt acceptance of the commercial grade item.*
- d) Acceptance based on equipment qualification and software validation in the integrated system.*

Inspections, Tests, Analyses:

Inspection will be performed of the process defined to use commercial grade components in the application.

Acceptance Criteria:

A report exists and concludes that the process has requirements for:

- a) Review of supplier design control, configuration management, problem reporting, and change control.*
- b) Review of product performance.*
- c) Receipt acceptance of the commercial grade item.*
- d) Acceptance based on equipment qualification and software validation in the integrated system.*

ITAAC Determination Basis

An inspection was performed to demonstrate that the use of commercial grade computer hardware and software items in the PMS is accomplished through a process that specifies requirements for:

- a) Review of supplier design control, configuration management, problem reporting, and change control.
- b) Review of product performance.
- c) Receipt acceptance of the commercial grade item.
- d) Acceptance based on equipment qualification and software validation in the integrated system.

The Process for Use of Commercial Grade Computer Hardware and Software Items in the PMS Technical Report (Reference 2) documents how the Westinghouse processes, procedures, commercial dedication procedures, software program manual, and Independent Verification & Validation (IV&V) Plan fulfill the requirements of this ITAAC through the use of the following:

ITAAC Requirement		Fulfillment
<i>a) Review of Supplier</i>	<i>Design Control</i>	Commercial Grade Survey of supplier
	<i>Configuration Management</i>	Commercial Grade Survey of supplier
	<i>Problem Reporting</i>	Commercial Grade Survey of supplier
	<i>Change Control</i>	Quality Assurance Program (QAP) procedures for the evaluation of hardware and software changes
<i>b) Review of</i>	<i>Product Performance</i>	QAP procedures for the control of nonconformances
<i>c) Receipt acceptance of</i>	<i>Commercial Grade Item</i>	QAP procedures for inspections
<i>d) Acceptance Based on</i>	<i>Equipment Qualification</i>	QAP procedures for equipment qualification
	<i>Software Validation in the Integrated System</i>	QAP procedures for validation and verification of commercial software

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 that there are no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 2.5.02.13 (Reference 3) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, SCE&G hereby notifies the NRC that ITAAC 2.5.02.13 was performed for VCSNS Unit 2 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,



April R. Rice
Manager
Nuclear Licensing
New Nuclear Deployment

- c. Document Control Desk
 - Patrick Donnelly – Acting Senior Resident
 - Victor McCree – Region II Regional Administrator
 - Steven Vias – NRC
 - Patrick Heher - NRC
 - Thomas R. Fredette – NRC
 - Denise McGovern – NRC
 - James Reece – NRC
 - Marion Cherry – Santee Cooper
 - Stephen A. Byrne – SCE&G
 - Jeffrey B. Archie – SCE&G
 - Ronald A. Jones – SCE&G
 - Alan Torres – SCE&G
 - Ryder Thompson – SCE&G
 - April Rice – SCE&G
 - Justin Bouknight – SCE&G
 - Alvis J. Bynum – SCE&G
 - Kyle Young – SCE&G
 - Margaret Felkel – SCE&G
 - Cynthia Lanier – SCE&G
 - Joel Hjelseth – Westinghouse
 - Rick Easterling – Westinghouse
 - William Macecevic – Westinghouse
 - Brian McIntyre – Westinghouse
 - Brian J. Bedford – Westinghouse
 - Tom Geer – Westinghouse
 - Michael Frankle – Westinghouse
 - Kathryn M. Sutton – Morgan Lewis
 - Ken Hollenbach – CB&I Stone & Webster
 - Curtis Castell – CB&I Stone & Webster
 - Chuck Baucom – CB&I Stone & Webster
 - AJ Marciano – CB&I Stone & Webster
 - Sean Burk – CB&I Stone & Webster
 - Peter Leroy – CB&I Stone & Webster
 - VCSummer2&3ProjectMail@cbi.com
 - vcsummer2&3project@westinghouse.com
 - DCRM-EDMS@SCANA.COM

References (available for NRC inspection)

1. NEI 08-01, Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52
2. APP-GW-GLR-616, AP1000 Design Certification ITAAC 2.5.02.13: Process for Use of Commercial Grade Computer Hardware and Software Items in the PMS Technical Report
3. V.C. Summer Unit 2 ITAAC 2.5.02.13 Completion Package