

Southern Nuclear  
Operating Company, Inc.  
Vogtle 3&4  
7825 River Road  
Waynesboro, GA 30830

Tel 706.826.5535  
Fax 706.826.5580



NOV 11 2010  
Project No.: 0783

ND-10-2183

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

Southern Nuclear Operating Company  
Vogtle Electric Generating Plant Units 3 and 4  
Completion of ITAAC 2.2 02.01

The purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the Simulated completion of Vogtle Electric Generating Plant (VEGP) Unit-3, Inspection, Test, Analysis and Acceptance Criteria (ITAAC) Item 2.2 02.1 for verifying that the Passive Containment Cooling System (PCS) conforms with the functional arrangement as described in the Design Description in Section 2.2.2 of the AP1000 DCD in accordance with 10 CFR 52.99(c)(1). The closure process for this ITAAC is based on the guidance described in NEI 08-01 (Reference 1).

**ITAAC Statement**

**Design Commitment:**

*The functional arrangement of the PCS is as described in the Design Description of this Section 2.2.2.*

**Inspections, Tests, Analysis:**

*Inspection of the as-built system will be performed.*

**Acceptance Criteria:**

*The as-built PCS conforms to the functional arrangement as described in the Design Description of this Section 2.2.2.*

D103

NRO

### **ITAAC Determination Basis**

An inspection of the as-built PCS was conducted as part of the system turnover/walkdown between construction and pre-operational testing on the Passive Cooling System (PCS). The functional arrangement of the PCS was confirmed to be in accordance with the Design Description in Tier 1 Section 2.2.2 of the DCD. The components were validated to be in the locations as provided in both Table 2.2.2-4 of Tier 1 of the DCD and Figure 2.2.2-1. The Table and Figure are included in the letter enclosure. The walkdown was completed in accordance with Consortium Procedure APP-PCS-ITX-XXX.

### **ITAAC-Related Construction Finding Review**

In accordance with procedures for ITAAC closure, Southern Nuclear performed a review of all ITAAC-related construction findings pertaining to the subject ITAAC. This review found that there was no relevant ITAAC-related construction findings associated with this ITAAC. The Completion Package (Reference 2) documents the closure for ITAAC 2.2 02.01 and is available for NRC review.

### **ITAAC Closure Statement**

Based on the above information for VEGP Unit 3, Southern Nuclear notifies the NRC that ITAAC 2.2 02.01 was performed and the prescribed acceptance criteria are met.

We request 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 J. (Jim) T. Davis at 706-826-5544.

Sincerely,



J. T. Davis  
Vogtle 3 & 4 Licensing Supervisor  
SNC Nuclear Development

JTD/faw

Enclosure: Completion ITAAC 2.2 02.01

### **References (available for NRC review)**

1. NEI 08-01, Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52.
2. ITAAC 2.2 02.01 Completion Package

cc: Southern Nuclear Operating Company

Mr. J. A. Miller, Executive Vice President, Nuclear Development (w/o enclosure)  
Mr. D. H. Jones, Site Vice President, Vogtle 3 & 4 (w/o enclosure)  
Mr. C. R. Pierce, AP1000 Licensing Manager  
Mr. J. D. Williams, Vogtle 3 & 4 Site Support Manager  
Mr. J. T. Davis, Vogtle 3 & 4 Site Licensing Supervisor  
Mr. B. W. Waites, Project Engineer  
Mr. P. C. Albuquerque, Vogtle 3 & 4 Site Licensing Engineer

Nuclear Regulatory Commission

Mr. M. Jardaneh, Reactor Operation Engineers – NRO  
Mr. M. Kowal, Branch Chief – NRO  
Mr. S. Freeman, Senior Project Inspection – Region II  
Mr. A. Blamey, Branch Chief – Region II

Georgia Power Company

Mr. T. W. Yelverton, Nuclear Development Director  
Ms. A. N. Faulk, Nuclear Regulatory Affairs Manager

Oglethorpe Power Corporation

Mr. M. W. Price, Executive Vice President and Chief Operating Officer  
Mr. K. T. Haynes, Director of Contracts and Regulatory Oversight

Municipal Electric Authority of Georgia

Mr. J. E. Fuller, Senior Vice President, Chief Financial Officer  
Mr. S. M. Jackson, Vice President, Power Supply

Dalton Utilities

Mr. D. Cope, President and Chief Executive Officer

Shaw Stone & Webster, Inc.

Mr. B. Davis, Vogtle Project Manager (w/o enclosure)  
Mr. J. M. Oddo, Licensing Manager

Westinghouse Electric Company, LLC

Mr. R. J. Buechel, Consortium Project Director Vogtle Units 3 & 4 (w/o enclosure)  
Mr. R. F. Ziesing, Director, US Licensing, NPP  
Mr. S. A. Bradley, Vogtle Project Licensing Manager  
Mr. M. A. Melton, Manager, Regulatory Interfaces  
Mr. D. A. Lindgren, Principal Engineer, AP1000 Licensing and Customer Interface  
Mr. T. J. Ray, Manager AP1000 COL Licensing Support

Department of Energy

Mr. T. Miller, DOE/PM

**Southern Nuclear Operating Company**

**ND-10-2183**

**Enclosure**

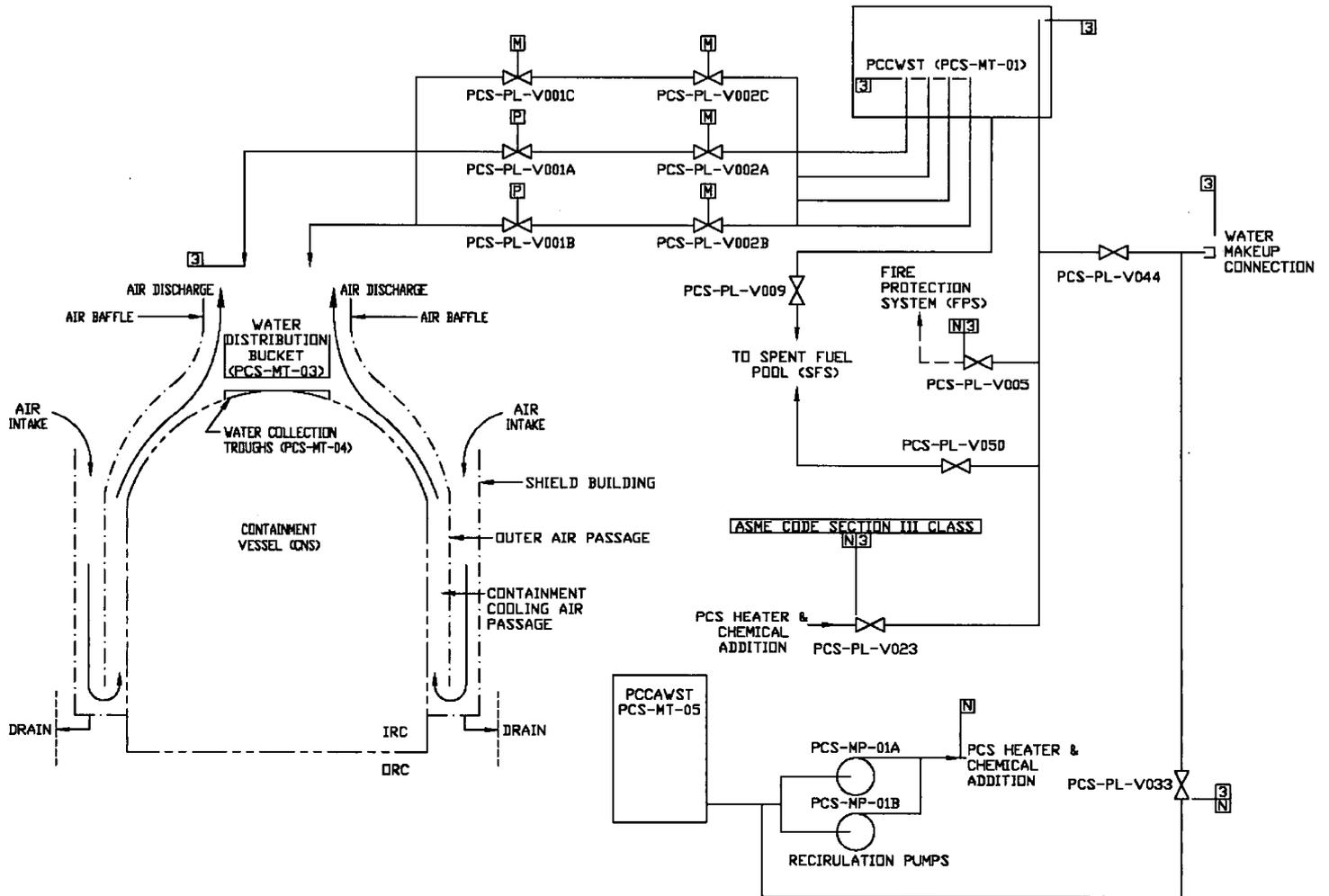
**Completion of ITAAC 2.2 02.01**

**Component Locations for the Passive Containment Cooling System  
(From AP1000 Tier 1 DCD Section 2.2.1)**

<b>Table 2.2.2-4</b>		
<b>Component Name</b>	<b>Tag No.</b>	<b>Component Location</b>
PCCWST	PCS-MT-01	Shield Building
PCCAWST	PCS-MT-05	Yard
Recirculation Pump A	PCS-MP-01A	Auxiliary Building
Recirculation Pump B	PCS-MP-01B	Auxiliary Building

SIMULATION

### Component Locations for the Passive Containment Cooling System (from DCD Section 2.2.1 Figure 2.2.2-1)



**SIWA**