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August 28, 2013  
RC-13-0117

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

Dear Sir / Madam:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS) UNIT 1  
DOCKET NO. 50-395  
OPERATING LICENSE NO. NPF-12  
SOUTH CAROLINA ELECTRIC & GAS COMPANY (SCE&G) 6-MONTH  
STATUS REPORT OF ORDER EA-12-051, ORDER MODIFYING LICENSES  
WITH REGARD TO REQUIREMENTS FOR RELIABLE SPENT FUEL POOL  
INSTRUMENTATION

- References:
1. NRC Order Number EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012 [ML12054A682]
  2. SCE&G's Overall Integrated Plan in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated February 28, 2013. RC-13-0031 [ML13063A099]

On March 12, 2012, the Nuclear Regulatory Commission issued an order (Reference 1) to South Carolina Electric & Gas Company (SCE&G). Reference 1 was immediately effective and directs SCE&G to have a reliable indication of the water level in associated spent fuel storage pools.

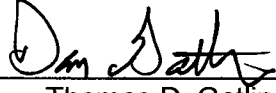
Reference 1 requires submission of a 6-month status report following the submittal of the Overall Integrated Plan (Reference 2). The purpose of this letter is to provide the 6-month status report pursuant to Section IV, Condition C.2, of Reference 1. SCE&G developed an Overall Integrated Plan (Reference 2), documenting the requirements to install reliable spent fuel pool level instrumentation, in response to Reference 1. Attachment I provides the 6-month status report of milestone accomplishments since the submittal of the Overall Integrated Plan. This update includes any changes to the compliance method, schedule, or need for relief/relaxation and the basis.

This letter contains no new regulatory commitments. If you have any questions regarding this report, please contact Mr. Bruce L. Thompson at (803) 931-5042.

AC001  
NRR

I certify under penalty of perjury that the foregoing is true and correct.

8-28-2013  
Executed on

  
Thomas D. Gatlin

BQ/TDG/ts

Attachment:

- I. South Carolina Electric & Gas (SCE&G)'s Six Month Status Report of Order EA-12-051, Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation
- c:
- K. B. Marsh
  - S. A. Byrne
  - J. B. Archie
  - N. S. Carns
  - J. H. Hamilton
  - J. W. Williams
  - W. M. Cherry
  - E. J. Leeds
  - V. M. McCree (w/attachment)
  - R. E. Martin (w/attachment)
  - NRC Resident Inspector
  - K. M. Sutton
  - NSRC
  - RTS (CR-12-01070)
  - File (815.07)
  - PRSF (RC-13-0117)

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**VIRGIL C. SUMMER NUCLEAR STATION (VCSNS) UNIT 1**

**ATTACHMENT I**

**SOUTH CAROLINA ELECTRIC & GAS COMPANY (SCE&G) 6-MONTH STATUS REPORT  
OF ORDER EA-12-051, ORDER MODIFYING LICENSES WITH REGARD TO  
REQUIREMENTS FOR RELIABLE SPENT FUEL POOL INSTRUMENTATION**

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**1. Introduction**

SCE&G developed an Overall Integrated Plan (Reference 2), documenting the requirements to install reliable spent fuel pool level instrumentation (SFPLI), in response to Reference 1. This attachment provides an update of milestone accomplishments since submittal of the Overall Integrated Plan, including any changes to the compliance method, schedule, or need for relief/relaxation and the basis, if any.

**2. Milestone Accomplishments**

The following milestone(s) in section 3 have been completed since the development of the Overall Integrated Plan (Reference 2), and are current as of August 28, 2013.

Prepared SCE&G's Response to Request for Additional Information Regarding Overall Integrated Plan for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC NO. MF1173).

**3. Milestone Schedule Status**

The following provides an update to milestone schedule to support the Overall Integrated Plan. This section provides the activity status of each item, and the expected completion date. The dates are planning dates subject to change as design and implementation details are developed.

The revised milestone target completion dates do not impact the order implementation date.

<b>Milestone</b>	<b>Target Completion Date</b>	<b>Activity Status</b>	<b>Revised Target Completion Date</b>
Submit 60 Day Status Report	Oct 2012	Complete	
Submit Overall Integrated Plan	Feb 2013	Complete	
Submit Response to RAIs for Overall	Aug 2013	Complete	

Milestone	Target Completion Date	Activity Status	Revised Target Completion Date
Integrated Plan			
<b>Submit 6 Month Updates:</b>			
Update 1	Aug 2013	Complete	
Update 2	Feb 2014	Not Started	
Update 3	Aug 2014	Not Started	
Update 4	Feb 2015	Not Started	
Update 5	Aug 2015	Not Started	
Update 6	Feb 2016	Not Started	
<b>Modifications:</b>			
Modification Development	Jan 2014	Not Started	
Complete Procurement of Instrumentation Package	Jun 2013	In Progress	Nov 2013
Complete Engineering and Design	Jul 2014	Not Started	
Commence Implementation	Oct 2014	Not Started	
Unit 1 Implementation Outage	Oct 2015	Not Started	
<b>Procedures:</b>			
Complete Procedures Development	Feb 2015	Not Started	
<b>Training:</b>			
Develop Training Plan	Feb 2015	Not Started	
Training Complete	Aug 2015	Not Started	

#### 4. Changes to Compliance Method

There is one change to the compliance method as documented in the Overall Integrated Plan (OIP) (Reference 1). The backup channel of the spent fuel pool level monitoring system will be

a permanently installed channel instead of the portable channel described in the OIP. The details of this change are provided in the station response to the Request for Additional Information (References 3 and 4).

**5. Need for Relief/Relaxation and Basis for the Relief/Relaxation**

SCE&G expects to comply with the order implementation date and no relief/relaxation is required at this time.

**6. Open Items from Overall Integrated Plan and Draft Safety Evaluation**

None.

**7. Potential Draft Safety Evaluation Impacts**

There are no potential impacts to the Draft Safety Evaluation identified at this time.

**8. References**

The following references support the updates to the Overall Integrated Plan described in this attachment.

1. NRC Order Number EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012.
2. SCE&G's Overall Integrated Plan in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated February 28, 2013. (RC-13-0031)
3. Robert E. Martin to Thomas D. Gatlin Letter : Virgil C. Summer Nuclear Station, Unit 1- Request for Additional Information Regarding Overall Integrated Plan for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC NO. MF1173) dated July 29, 2013
4. Virgil C. Summer Nuclear Station, Unit 1 Response to - Request for Additional Information Regarding Overall Integrated Plan for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC NO. MF1173) Dated August 28, 2013 (RC-13-0119)