Ronald B. Clary General Manager New Nuclear Deployment

July 2, 2009 NND-09-0178



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

ATTN: Document Control Desk

- Subject: V. C. Summer Nuclear Station Units 2 and 3 Docket Numbers 52-027 and 52-028 Combined License Application – Environmental Report Audit Information Needs: GW-7 Part 4
- Reference: 1. Letter from S.A. Byrne to Document Control Desk, Submittal of a Combined License Application for V. C. Summer Nuclear Station Units 2 and 3, dated March 27, 2008.
 - Letter from Ronald B. Clary to Document Control Desk, Submittal of Revision 1 to Part 3 (Environmental Report) of the Combined License Application for the V. C. Summer Nuclear Station Units 2 and 3, dated February 13, 2009.
 - Letter from Patricia J. Vokoun to Ronald B. Clary, Requests for Additional Information Related to the Environmental Review for the Combined License Application for the V. C. Summer Nuclear Station, Units 2 and 3, dated June 22, 2009.

By letter dated March 27, 2008, South Carolina Electric & Gas Company (SCE&G) submitted a combined license application (COLA) for two Westinghouse AP1000 units, designated V.C. Summer Nuclear Station (VCSNS) Units 2 and 3, to be located at the existing VCSNS site in Fairfield County, South Carolina. Subsequently the Environmental Report (ER), Part 3 of the application, was revised and submitted to the NRC (reference 2).

During the week of March 9, 2009, the NRC conducted an Environmental Audit to gather information to assist in the review of the ER. The purpose of this letter is to submit a portion of the ER Information Needs identified by the NRC as GW-7 Part 4. This ER Info Needs item also provides information related to the RAI GW-5 issued by the NRC (reference 3).

Please address any questions to Mr. Alfred M. Paglia, Manager, Nuclear Licensing, New Nuclear Deployment, P. O. Box 88, Jenkinsville, S.C. 29065; by telephone at 803-345-4191; or by email at apaglia@scana.com.

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

Executed on this 2nd day of July 2009

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Ronald B. Clary General Manager New Nuclear Deployment

ARR/RBC/ar

Enclosures

c (with Enclosures): Patricia Vokoun Carl Berkowitz FileNet

c (without Enclosures): Luis A. Reyes John Zeiler Chandu Patel Stephen A. Byrne Ronald B. Clary Bill McCall Kenneth J. Browne Randolph R. Mahan Kathryn M. Sutton Rich Louie John J. DeBlasio April Rice

VCSNS UNITS 2 and 3

Response to NRC Information Needs Item

Information Item Number: _____ GW-7 Part 4 ____ Revision: _____

Statement of the Information Item:

Information Item GW-7 Part 4:

Provide an expert to describe baseline groundwater quality at the site along with spatial and temporal changes.

SCE&G Follow Up Action: Provide tritium trend plots for groundwater measurements.

Response:

V C Summer Nuclear Station Unit 1 operates a Waste Treatment Facility in accordance with SCDHEC issued NPDES permits. Five groundwater monitoring wells were sampled and analyzed for chemical contaminants as part of the requirements for this permit. During the period of 1995 to 2006, these samples were analyzed for tritium as part of the station's supplemental Radiological Environmental Monitoring Program. In 2007, these monitoring wells were included in the station's Offsite Dose Calculation Manual and the sample frequency increased to quarterly from semi-annually. The results of these analyses are given in picocuries/liter. If the "Activity" column is blank then the result is less than the MDA (minimum detectable activity). The well locations are given using both the ODCM (site #) and the NPDES (GW-#) identifiers.

COLA Revisions:

No COLA revision is required as a result of the response to this Information Needs item.

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'	Site 111	(GW-8)	Site 112	(GW-9)	Site 113	(GW-12)	Site 114 (GW-13A)	Site 115	(GW-15)
	MDA	Activity	MDA	Activity	MDA	Activity	MDA	Activity	MDA	Activity
1995				1.1.1						
May	4.56E+02		4.56E+02	7.18E+02			4.56E+02	2.30E+03	4.56E+02	1.89E+03
Nov	4.70E+02		4.70E+02	4.03E+03	4.70E+02		4.70E+02	3.00E+03	4.70E+02	4.45E+03
1996	÷ \$						1991 - Al		189 - 197	22
May	4.70E+02		4.70E+02	2.37E+03	4.70E+02		4.70E+02	2.14E+03	4.70E+02	5.89E+02
Nov	4.78E+02		4.78E+02	1.27E+04	4.78E+02		4.78E+02	2.10E+03	4.78E+02	5.96E+03
1997					1					
May	4.82E+02		4.82E+02	2.19E+03	4.82E+02		4.82E+02	4.64E+03	4.82E+02	2.58E+03
Nov	4.80E+02	9.12E+02	4.80E+02	6.08E+03	4.80E+02		4.80E+02	1.93E+03	4.80E+02	6.55E+02
1998					-1-1					
Feb	5.05E+02		5.05E+02		5.05E+02		5.05E+02	7.35E+02	5.05E+02	
Aug	5.06E+02		5.06E+02	5.11E+03	5.06E+02		5.06E+02		5.06E+02	1.13E+03
1999		100								-
Feb	4.58E+02			2.96E+03			4.58E+02		4.58E+02	
Aug	4.75E+02		4.75E+02	1.67E+03	4.75E+02		4.75E+02	4.80E+02	4.75E+02	
2000										
Feb	4.72E+02		4.72E+02		4.72E+02		4.72E+02		4.72E+02	
Aug	4.89E+02		4.89E+02		4.89E+02		4.89E+02		4.89E+02	
2001		1								
Mar	4.69E+02		4.69E+02		4.69E+02		4.69E+02		4.69E+02	
Aug	4.61E+02		4.61E+02		4.61E+02		4.61E+02		4.61E+02	
2002			al seeks.		ŕ	X			le se	1
Feb	4.77E+02		4.77E+02		4.77E+02		4.77E+02		4.77E+02	
Aug	4.71E+02		4.71E+02		4.71E+02		4.71E+02	4	4.71E+02	
2003						2 - 2 M	2.2	Marine Service	eles Addas	
Feb	4.68E+02		4.68E+02		4.68E+02		4.68E+02		4.68E+02	
Aug	4.96E+02		4.96E+02		4.96E+02		4.96E+02		4.96E+02	
2004	1.000		di di sana		and the second				and the second second	
Feb	5.45E+02						5.45E+02		5.45E+02	
Aug	4.93E+02		4.93E+02	1.50E+03	4.93E+02		4.93E+02		4.93E+02	
2005						200 - California (* 1990) 1990 - California (* 1990)				
Mar	5.66E+02		5.66E+02		5.66E+02		5.66E+02		5.66E+02	
Aug	4.73E+02		4.73E+02	1.83E+03	4.87E+02		4.87E+02		4.87E+02	
2006										ala a
Feb	4.96E+02			9.48E+02			4.96E+02		4.96E+02	
Aug	4.86E+02		4.86E+02	6.13E+02	4.86E+02		4.86E+02		4.86E+02	
2007										
Feb	4.74E+02		4.74E+02	5.45E+02			4.74E+02		4.74E+02	
May	4.67E+02		4.67E+02		4.67E+02		4.67E+02		4.67E+02	
Aug	4.71E+02			5.95E+02			4.71E+02		4.71E+02	ļ
Nov	4.67E+02		4.67E+02	9.53E+02	4.67E+02		4.67E+02		4.67E+02	
2008	4 00 - 6-		4 00 = 45		4 00 - 4-		4.057.53	14.1	4.00= 5-	
Feb	4.93E+02		4.93E+02		4.93E+02	Ļ	4.93E+02		4.93E+02	
May	4.68E+02		4.68E+02		4.68E+02		4.68E+02	An exercise of the second s	4.68E+02	
Aug	4.86E+02		4.86E+02		4.86E+02		4.86E+02		4.86E+02	
Nov	4.75E+02	1	4.75E+02	I	4.75E+02		4.75E+02		4.60E+02	I

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