Southern Nuclear Operating Company, Inc. 42 Inverness Center Parkway Birmingham, Alabama 35242



Energy to Serve Your World<sup>34</sup> File: E.03.34 Log: EV-06-0053

January 11, 2006

Vogtle Electric Generating Plant Ground Water Use Permit No. 017-0003 Semi-Annual Report

Mr. Bill Frechette Georgia Environmental Protection Division Water Withdrawal Permitting Program Groundwater Permitting Unit 4220 International Parkway, Suite 101 Atlanta, GA 30354

Dear Mr. Frechette:

In accordance with standard condition #3 of the Vogtle Electric Generating Plant Ground Water Use Permit (No. 017-0003) and Rule 391-3-2-.08, enclosed is the semi-annual Ground Water Use Report for the second half of 2005, and the annual measured value for specific conductance.

If you have any questions, please contact Jessica Joyner at (205) 992-7693.

Sincerely,

Jessean Innie for

Mike Godfrey Environmental Affairs Manager

JMG/JAJ:ahl

### Vogtle Electric Generating Plant - Permit No. 017-0003

### Annual Specific Conductance

Obtained from:	Make-up well #1
Obtained on:	12/09/05
Value (µmhos/cm):	173.4
Temperature:	25°C

Obtained from: Obtained on: Value (µmhos/cm): Temperature: Recreation Center well 12/09/05 236 25°C



## Bepartmant of Natural Resources

Groundwater Use Report This form shall be submitted to the Division twice each year, within the reporting period specified on the Groundwater Withdrawal Permit under Standard Condition No. 3.

(Print or type ALL information)					
<b>Permittee Information</b>					
Contact Person: Mike Godfrey					
Company / Permittee: Southe	rn Nuclear operat	ing Company /	Vogtle elect	ric Generating F	Plant
Address: P.O. Box 1295 , Birm					
(No. and S	itreet)		(City)		(State) (Zip)
GW Withdrawal Permit No.: 017 - 0003 For six (6) month period from July 2005 thru December 2005					
County where well(s) is locate	d: Burke County	<u>, GA</u>			
This report is on the <u>Cretaceou</u> CW-3, & IW-4	us Sand aquifer	(s) used by we			
	Amount of wa			s) each MONTH	
Month/Year	(in gal System Total from			ly Average	Method used to determine pumpage
	System To ALL W			ays in Month)	
July/2005	24146700	gal	778900	gal	
August/2005	24861100	gal	802000	gal	Other (specify below)
September/2005	28310800	gal	<del>94</del> 3700	gal	
October/2005	30421000	gal	981300	gal	
November/2005	23340100	gal	778000	gal	
December/2005	26566000	gal	857000	gal	Average hours pumped
Six Month - Grand Total	157645700	gal .			per day 2.2
Static water level (SWL)***	46.05 ft.	Elevation 154	1.48 ft.	Well no. MU-1	Date measured 12-08-05
Pumping water level (PWL)**		Elevation 151	.,33 ft.	Well no. MU-1	Date measured 12-08-05
(Use additional sheet if necessary)					
Number of hrs shutdown for SWL measurement 0.25. Number of continuous hrs pumped for PWL measurement 2.08.					
Method of measurement:					
Measurement from:	Top of casing	Ground	🗌 Othe	r (specify)	
*** Obtain and submit appropriate sets of water level measurements as indicated below:					
	ONLY 1 WELL			· · · · · · · · · · · · · · · · · · ·	
From 6-10 wells - a set from C	0 wells - a set from ONLY 2 WELL I ake readings from the highest yield well(s) using the sa				
From 16-20 wells – a set from ONLY 4 WELL					
And such other pertinent information submitted by the applicant or required by the Division.					

I certify that the above information is true to the best of my knowledge.

READING Signed Clifton L. Buck , Chemistry Manager Title 1/4/04 Date

October 2002



# Pepartment of Natural Resources

### Groundwater Use Report

This form shall be submitted to the Division twice each year, within the reporting period specified on the Groundwater Withdrawal Permit under Standard Condition No. 3.

(Print or type ALL Information)						
<b>Permittee Information</b>	1				····	
Contact Person: Mike Godfrey Phone:			(205) 992-			GODFREY@southernco.com
Company / Permittee: Southe	rn Nuclear operat	ing Company /	' Vogtle elec	tric Genera	ating Plar	nt
Address: P.O. Box 1295, Birn						¢.
(No. and s	Street)		(City)			State) (Zip)
GW Withdrawal Permit No.: 017 - 0003 For six (6) month period from July 2005 thru December 2005						thru December 2005
County where well(s) is locate	d: Burke County	, GA				
This report is on the <u>Cretaceon</u> CW-3, & IW-4	<u>us Sand</u> aquifei	r(s) used by we				TW-1, SW-5, SB, Rec.
	Amount of water pumped from aquifer(s) each (in gallons)			s) each MG	ONTH	Method used to
Month/Year	System Total from ALL wells		Monthly Average (Total/Days in Month)			determine pumpage
N/A	N/A	gal	N/	A	gal	Flow meter
N/A	N/A	gal	N/	A	gal	Other (specify below)
N/A	N/A	gal	N/	A	gal	
N/A	N/A	gal	N/	Α	gal	
N/A	N/A	gai	N/	A	gal	
N/A	N/A	gal	N/	A	gal	Average hours pumped
Six Month - Grand Total gal per day N/A						
Static water level (SWL)***	24.55 ft.	Elevation 143	1.647 ft.	Well no.	Rec	Date measured 12-08-05
Pumping water level (PWL)**	* 46.50 ft.	Elevation 121	697 ft.	Well no.	Rec	Date measured 12-08-05
(Use additional sheet if necessary)						
Number of hrs shutdown for SWL measurement 2.17. Number of continuous hrs pumped for PWL measurement 0.67.						
Method of measurement: Air line Probe Tape Other (specify)						
Measurement from:						
		ate sets of wa	ater level n	neasuren	nents as	s Indicated below:
From 11-15 wells   a set from ONLY 3 WELL     From 16-20 wells   - a set from ONLY 4 WELL			Take readings from the highest yield well(s) using the same well(s) each time. For additional wells, follow this format.			
And such other per	tinent informat	ion submitte	d by the a	oplicant (	or reaui	red by the Division.

I certify that the above information is true to the best of my knowledge.

	Bellurg Beport loc
Signed	Georgia Las monnesitables teams internet
Clifton L. Buck , Chemistry Manager	Water Withding all Permitting Programs and the second seco
tle	-1220 International Underweisenreitigt vor Barra
Date 1/6/06	httlinder Crebrer 201504

Southern Nuclear Operating Company, Inc. 42 Inverness Center Parkway Birmingham, Alabama 35242



Energy to Serve Your World<sup>™</sup> File: E.03.34 Log: EV-06-1477

July 7, 2006

<u>Vogtle Electric Generating Plant</u> Ground Water Use Permit No. 017-0003 Semi-Annual Report

Mr. Bill Frechette Georgia Environmental Protection Division Water Withdrawal Permitting Program Groundwater Permitting Unit 4220 International Parkway, Suite 101 Atlanta, GA 30354

Dear Mr. Frechette:

In accordance with standard condition #3 of the Vogtle Electric Generating Plant Ground Water Use Permit (No. 017-0003) and Rule 391-3-2-.08, enclosed is the semi-annual Ground Water Use Report for the first half of 2006.

If you have any questions, please contact Jessica Joyner at (205) 992-7693.

Sincerely,

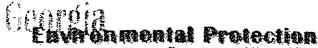
J. M. Godfrey

Environmental Affairs Manager

JMG/JAJ:ahl

Enclosure

VEGP: 2ND FLOOR SERV



Department of Natural Resources

### Groundwater Use Report



This form shall be submitted to the Division twice each year, within the reporting period specified on the Groundwater Withdrawal Permit under Standard Condition No. 3.

(Print or type ALL information)						
Permittee Information	n					
Contact Person: Mike Godfrey Phone: (2				-6387 Email: .	JGODFREY@southernco.com	
Company / Permittee: Southe	ern Nuclear Opera	ting Company	/ Vogtle Ele			
Address: P.O. Box 1295, Birm	ningham, Alabama	35201				
(No. and	Street)		(City)		(State) (Zip)	
GW Withdrawal Permit No.: C	GW Withdrawal Permit No.: 017 - 0003 For six (6) month period from January 2006 thru June 2006					
County where well(s) is locate						
This report is on the <u>Cretaceo</u> IW-4, SEC	us Sand aquifer(	s) used by well	(s) numbere	ed <u>MU-1, MU-2A, T</u>	W-1, SW-5, SB, Rec, CW-3, &	
	Amount of wa	ater pumped fr (in ga		s) each MONTH		
Month/Year	System To		·····		Method used to	
	ALL w			hly Average Days in Month)	determine pumpage	
January/2006	20309500	gal	655100	gal		
February/2006	24932900	gal	890500	gal	Other (specify below)	
March/2006	27213400	gal	877900	gai	,	
April/2006	30291800	gal	1009700	gal		
Мау/2006	23786400	gal	767300	gal	]	
June/2006	27432400	gal	914400	gal	Average hours pumped	
Six Month - Grand Total 153966400 gal per day 7.1						
Static water level (SWL)*** 46.23 ft. Elevation 154.30 ft. Well no. MU-1 Date measured 06-07				Date measured 06-07-06		
Pumping water level (PWL)**;	* 52.03 ft.	Elevation 148	3.50 ft.	Well no. MU-1	Date measured 06-07-06	
(Use additional sheet if necessary)						
Number of hrs shutdown for SWL measurement 0.50. Number of continuous hrs pumped for PWL measurement 0.50.						
Method of measurement:						
Measurement from: Top of casing Ground Other (specify)						
*** Obtain and submit appropriate sets of water level measurements as indicated below:						
From 1-5 wells - a set from ONLY 1 WELL   From 6-10 wells - a set from ONLY 2 WELL Take readings from the highest yield well(s) using the same set from ONLY 3 WELL   From 11-15 wells - a set from ONLY 3 WELL Well(s) each time. For additional wells, follow this format.   From 16-20 wells - a set from ONLY 4 WELL Well(s) each time.				nal wells, follow this format.		
And such other pertinent information submitted by the applicant or required by the Division.						

I certify that the above information is true to the best of my knowledge.

Return Report To: Georgia Environmental Extension Div Water Wahrlawitz Perturning Program Groundwater Perturnag Dan (GWUR) Signed Clifton L. Buck , Chemistry Manager Title 2/20.15 Percention of PANEWS CH S. P. 7-6.06 15



### Groundwater Use Report

This form shall be submitted to the Division twice each year, within the reporting period specified on the Groundwater Withdrawal Permit under Standard Condition No. 3.

(Print or type ALL information)					
Permittee Information					
Contact Person: Mike Godfrey Phone			(205) 992-	6387 Email:	JGODFREY@southernco.com
Company / Permittee: South	ern Nuclear Opera	ting Company	/ Vogtle Ele	tric Generating Pl	ant
Address: P.O. Box 1295, Birm	ningham, Alabama	35201			
(No. and			(City)	·····	(State) (Zip)
GW Withdrawal Permit No.: (	017 - 0003	For six (6	5) month per	iod from January	2006 thru June 2006
County where well(s) is locate					
This report is on the <u>Cretaceo</u> <u>1W-4, SEC</u>	-				W-1, <u>SW-5, SB</u> , Rec, CW-3, &
	Amount of wa			s) each MONTH	
Month/Year		(in ga	r		Method used to
	System To ALL w			hly Average ays in Month)	determine pumpage
January/2006	N/A	gal	N/A	gal	
February/2006	N/A	gal	N/A	gal	Other (specify below)
March/2006	N/A	gal	N/A	gal	
April/2006	N/A	gai	N/A	gal	
May/2006	N/A	gal	N/A	gal.	
June/2006	N/A	gal	N/A	gal	Average hours pumped
Six Month - Grand Total N/A gai per day					
Static water level (SWL)***	24 <b>,58</b> ft.	Elevation 143	1.517 ft.	Well no. Rec	Date measured 06-07-06
Pumping water level (PWL)**	* 44.30 ft.	Elevation 123	1.897 ft.	Well no. Rec	Date measured 06-07-06
(Use additional sheet if necessary)					
Number of hrs shutdown for SWL measurement 0.50. Number of continuous hrs pumped for PWL measurement 0.50.					
Method of measurement:					
Measurement from:	Top of casing	Ground	🔲 Othe	r (specify)	
*** Obtain and submit appropriate sets of water level measurements as indicated below:					
From 1-5 wells - a set from ONLY 1 WELL					
From 6-10 wells - a set from ONLY 2 WELL Take readings from the highest yield well(s) using the sar					
From 11-15 wells - a set from ONLY 3 WELL well(s) each time. For additional wells, follow this format.					
From 16-20 wells – a set from ONLY 4 WELL And such other pertinent information submitted by the applicant or required by the Division.					and hu the Division
And such other per	tinent informat	tion submitte	a by the al	oplicant or requi	rea by the Division.

I certify that the above information is true to the best of my knowledge.

REDITALREDOALLONG Signed LE Environmental Protection Division PERSONAL Program Clifton L. Buck , Chemistry Manager Title Parkwar Some Ica 7/6/06 Addition of Chick Ince Date