

~~VI EP 2005~~

Water Use of Vogtle  
From DNR EP Groundwater use Reports

	Daily Avg				
	2001	2002	2003	2004	Avg daily use
j	1209500	1281600	697700	1169600	1089600
f	1348500	1392700	736000	614900	1023025
m	1395300	1457400	820900	678800	1088100
a	1431100	1338100	724200	695900	1047325
m	1472600	1284600	840700	924600	1130625
j	1544400	1409500	712200	685300	1087850
j	1523500	1173100	935700	983800	1154025
a	1534000	914100	909400	941500	1074750
s	1512100	837700	954900	723500	1007050
o	1473300	855900	823000	701800	963500
n	1450500	1045400	681800	715000	973175
d	1454200	1036700	783900	673100	986975

Grand Avg 1445750 1168900 801700 792316.7 1052167 1052167 >  $\div 24 \div 60 \sim 730 \text{ gpm}$

1052167  
420  
60  
24  
604800  
1052167  
604800  
245700  
1902667

SND 2000a, b  
2001a, b  
2002 a, b, C  
2003a, b  
2004 a, b

DEPARTMENT OF NATURAL RESOURCES  
STATE OF GEORGIA

GROUNDWATER USE REPORT

(Print or type all information)

This form shall be submitted to the Division within fifteen (15) days after the reporting period specified on the permit under Standard Condition No. 3

Permittee Southern Nuclear Operating Company - Vogtle Electric Generating Plant

Permit No. 017-0003 For six month period from 09-01-1999 thru 02-29-2000

This report is on the Cretaceous Sand Aquifer used by well(s) numbered: Make-up Wells #1 and #2A, Construction Well #3, Irrigation Well #4, Tactical Training Well #5, Training Center Well, Recreation Area Well, & Well TW-1.

Specific Conductivity NA mmhos/cm

Static water level (SWL) 45.1 ft. Elevation 155.4 ft. Well no. MU-1 Date measured 2-15-2000

Pumping water level (PWL) 52.6 ft. Elevation 147.9 ft. Well no. MU-1 Date measured 2-15-2000  
(Use additional sheet if necessary)

Number of hours shutdown for SWL measurement 57 min Number of continuous hours pumped for PWL measurement 64 min

Method of measurement: ( ) Air Line; (  ) Probe; ( ) Tape; ( ) Other (Specify) \_\_\_\_\_

Measurement from: (  ) Top of casing; ( ) Ground; ( ) Other (Specify) \_\_\_\_\_

\*Obtain and submit appropriate sets of measurements as indicated below

From 1-5 wells-a set from

ONLY 1 WELL

From 6-10 wells-a set from

ONLY 2 WELLS

From 11-15 wells-a set from

ONLY 3 WELLS

From 16-20 wells-a set from

ONLY 4 WELLS

Take readings from the highest yield well(s), using the same well(s) each time. For additional wells, follow this format.

MONTH	Monthly amount of water pumped from aquifer in thousands of gal.			Method used to determine pumpage
	TOTAL	MAX. DAY	Monthly Avg./Day	
September	26431.6	1525.2	881.1	<input checked="" type="checkbox"/> Flow meter Other (Specify) Use: <u>For a consumptive use for central water supply, cooling water, process water for operation of Units 1 &amp; 2, and irrigation of ornamental vegetation.</u>
October	22841.8	1017.0	736.8	
November	24859.4	1841.4	828.6	
December	25365.4	1418.4	818.2	
January	51070.8	3158.9	1647.5	
February	25035.5	1521.5	863.3	
GRAND TOTAL	175604.5	ANNUAL AVG. / DAY	919.0	

SUCH OTHER PERTINENT INFORMATION FURNISHED BY THE PERMITTEE OR REQUIRED BY THE DIVISION.

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

Signed

Title

Date

AT Dan

General Manager - Vogtle Electric Generating Plant

13 March 2000

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STATE OF GEORGIA

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Specific Conductivity NA mmhos/cm

Static water level (SWL) 63.5 ft. Elevation 162.2 ft. Well no. MU-2A Date measured 1-13-2000

Pumping water level (PWL) 93.5 ft. Elevation 132.2 ft. Well no. MU-2A Date measured 1-13-2000  
(Use additional sheet if necessary)

Number of hours shutdown for SWL measurement 40.5 hr Number of continuous hours pumped for PWL measurement 45 min

Method of measurement: ( ) Air Line; (  ) Probe; ( ) Tape; ( ) Other (Specify) \_\_\_\_\_  
Measurement from: (  ) Top of casing; ( ) Ground; ( ) Other (Specify) \_\_\_\_\_

\*Obtain and submit appropriate sets of measurements as indicated below

- |                             |              |
|-----------------------------|--------------|
| From 1-5 wells a set from   | ONLY 1 WELL  |
| From 6-10 wells a set from  | ONLY 2 WELLS |
| From 11-15 wells a set from | ONLY 3 WELLS |
| From 16-20 wells a set from | ONLY 4 WELLS |

Take readings from the highest yield well(s), using the same well(s) each time. For additional wells, follow this format

MONTH	Monthly amount of water pumped from aquifer in thousands of gal.			Method used to determine pumpage
	TOTAL	MAX. DAY	Monthly Avg./Day	
				<input checked="" type="checkbox"/> Flow meter Other (Specify)  Use: <u>For a consumptive use for central water supply, cooling water, process water for operation of Units 1 &amp; 2, and irrigation of ornamental vegetation.</u>
		<b>N</b>		
			<b>A</b>	
GRAND TOTAL	ANNUAL AVG. / DAY			

SUCH OTHER PERTINENT INFORMATION FURNISHED BY THE PERMITTEE OR REQUIRED BY THE DIVISION.

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

Signed

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