

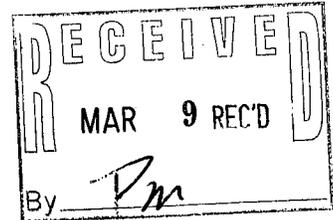
Georgia Department of Natural Resources

Environmental Protection Division, Watershed Protection Branch  
4220 International Parkway, Suite 101, Atlanta, Georgia 30354  
Linda MacGregor, P.E., Branch Chief  
404/675-6232  
FAX: 404/675-6244

March 1, 2011

Mr. Robert Baumgardt  
DPW Environmental Division – Hunter Army  
1550 Frank Cochran Drive  
Building 1137  
Fort Stewart, Georgia 31314

Re: Upper Floridan Groundwater Withdrawal Permit # 025-0034  
Lower Floridan Groundwater Withdrawal Permit # 025-0061



Dear Mr. Baumgardt:

In accordance with the Georgia Groundwater Use Act, as amended, a modified permit to withdraw groundwater from the Upper Floridan aquifer and a new permit to withdraw groundwater from the Lower Floridan aquifer have been issued by the EPD and are hereby enclosed. Please read the permits and note that your production limits are:

**Groundwater Withdrawal Permit 025-0034: 1.170 million gallons per day (mgd) monthly average and 0.769 mgd annual average,** from nine wells in the Upper Floridan aquifer.

**Groundwater Withdrawal Permit 025-0061: 0.720 mgd monthly average and 0.720 mgd annual average,** from one well in the Lower Floridan aquifer.

Also, please read all of the Standard Conditions and Special Conditions contained within the permits. These permits will expire on **December 31, 2017** and must be renewed prior to the expiration date. Any change in the withdrawal limits or conditions under which your permit was issued will require a permit modification, see Chapter 391-3-2-.06, paragraph 6 of the Rules for specifics.

Please be aware that you are required to submit Groundwater Withdrawal Reports (GWWRs) on a monthly basis, which must be sent to EPD by the 10<sup>th</sup> day of the following month. Enclosed are some blank groundwater use report forms for your file. Please send each completed GWWR to the address on the form.

If you have any further questions, please call me at 404-675-1662 or email me at [Bill.Frechette@dnr.state.ga.us](mailto:Bill.Frechette@dnr.state.ga.us).

Sincerely,

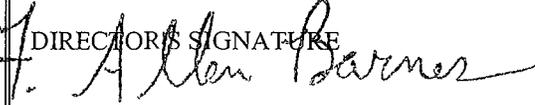
A handwritten signature in cursive script that reads "William Frechette".

William Frechette  
Coordinator  
Non-Farm Groundwater Unit

Enclosure

ENVIRONMENTAL PROTECTION DIVISION  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF GEORGIA

PERMIT TO WITHDRAWAL GROUNDWATER

PERMIT NUMBER	025-0034	DATE: February 25, 2011
PERMIT HOLDER'S NAME	DPW Environmental Division – Hunter Army Airfield	
PERMIT HOLDER'S ADDRESS	1550 Frank Cochran Drive, Bldg 1137, Fort Stewart, Georgia 31314 – Chatham County	
In accordance with the Provisions of the Groundwater Use Act, (O.C.G.A § 12-5-90 et seq.) as amended, and the Rules and Regulations for Groundwater Use, Chapter 391-3-2, promulgated pursuant thereto, this Permit is issued to withdraw, obtain, or utilize a maximum system wide total of groundwater in the amount of:  <p style="text-align: center;"><u>1.170</u> million gallons per day monthly average and <u>0.769</u> million gallons per day annual average;</p> from <u>nine</u> wells located at <u>Hunter Army Airfield, Georgia – Chatham County</u> for the purpose of a consumptive use for a <u>central water supply and golf course irrigation.</u>		
This Permit is conditioned upon the permit holder complying with the following:  <p style="text-align: center;"><b><u>STANDARD CONDITIONS</u></b></p> (1) The provisions of the Groundwater Use Act, as amended, or any of the Rules and Regulations promulgated pursuant thereto; (2) The Permit must not be transferred except with the approval of the Georgia Environmental Protection Division (EPD); (3) The Groundwater Withdrawal Report will be submitted MONTHLY in accordance with the following schedule: <ul style="list-style-type: none"><li>• Production between the first day of the month and the last day of the month will be submitted to EPD by the 10<sup>th</sup> day of the following month (ex. January 1<sup>st</sup> through January 31<sup>st</sup> groundwater withdrawal data will be reported to the EPD by February 10<sup>th</sup>).</li></ul> (4) The withdrawal of groundwater is limited to the quantities and purpose of the water herein specified.  <p style="text-align: center;"><b><u>SPECIAL CONDITIONS</u></b></p> (5) This Permit is valid for ground water withdrawal from the <u>Upper Floridan</u> Aquifer. No other aquifer can be used without the approval of the EPD. (6) If multiple aquifers are designated in Special Condition (5) above, groundwater withdrawal of each aquifer must be reported separately. Each aquifer must be identified on the Groundwater Withdrawal Report, as well as listing the well or wells that are producing in each aquifer. If a well is producing in more than one aquifer, it is to be noted. The Groundwater Withdrawal Report must be submitted in accordance with the schedule outlined in Standard Condition (3) of this permit. (7) The replacement of any permitted well must receive prior approval from the EPD.		
And the additional attached conditions (8 through 15), which are hereby made a part of this Permit.		
In accordance with the application or letter dated <u>June 29, 2007</u> and in conformity with the statements and supporting data entered therein or attached thereto, all of which are filed with the EPD of the Department of Natural Resources and are hereby made part of this Permit.  This permit is effective from the date first above written and is subject to revocation on evidence of noncompliance with any of the provisions of the Groundwater Use Act, as amended, or any of the Rules and Regulations promulgated pursuant thereto; or with any representation made in the above mentioned application or the statements and supporting data entered therein or attached thereto; or with any condition of this permit.  Absent prior revocation in accordance with the above language, this Permit will expire on the <u>31<sup>st</sup> day of December 2017.</u>		
DIRECTOR'S SIGNATURE	DATE:	Director
	February 25, 2011	Environmental Protection Division Department of Natural Resources

### SPECIAL CONDITIONS

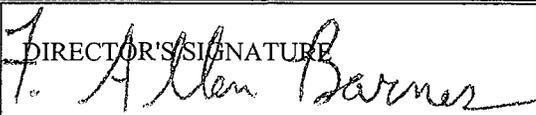
- (8) This groundwater withdrawal permit and any future modifications or re-issuances of such, is conditional upon an active implementation of the relevant Lower Floridan Aquifer requirements and the relevant EPD-approved Water Conservation Plan, including reductions in per capita water used and non-revenue water.
- (9) The permit holder must abide by applicable drought response requirements.
- (10) The permit holder must abide by applicable water conservation requirements.
- (11) In accordance with the Groundwater Use Rules, 391-3-2-.08(2), a permit holder will analyze a raw groundwater sample for specific conductance on an annual basis. Analysis for specific conductance must be conducted in accordance with 40 Code of Federal Regulations, Part 141.89. A raw groundwater sample will be collected for every five permitted wells (i.e., if you have between one and five permitted wells, collect one raw groundwater sample for analysis; if you have between six and ten permitted wells, collect a raw groundwater sample from two of the permitted wells, etc.). The groundwater samples must be collected from the highest yielding wells. The results must be submitted to the EPD on corporate letterhead and must include the date sampled, well number, temperature of water sample at time of testing, the specific conductance result, and the units of measurement.
- (12) The EPD has produced the 'Coastal Georgia Water & Wastewater Plan for Managing Salt Water Intrusion' (the Plan). The Plan has identified an array of water conservation, efficiency, and reuse requirements for public and private water providers. The permit holder is required to fully implement and otherwise comply with ALL appropriate requirements identified in the Plan.
- (13) The permit holder's use of an alternate water supply from the Lower Floridan aquifer has met all current policy requirements for water withdrawal permitting approval including the enumeration of calculated Upper Floridan-Lower Floridan production off-sets, as described in Special Condition 14 below.
- (14) The permitted withdrawal limits of this Upper Floridan Groundwater Withdrawal Permit have been reduced by 0.210 million gallons per day (mgd) from the previously permitted withdrawal limits of 1.380 mgd monthly average and 0.979 mgd annual average. This reflects the required offset calculated from the agreed upon 29.13 % leakage rate of the permitted withdrawal limits on the Lower Floridan Groundwater Withdrawal Permit No. 025-0061 of 0.720 mgd monthly and annual average.
- (15) The permit holder Army must **meter all fire hydrant flushing events.**

### PERMIT MODIFICATION

The permit holder may seek modification of any of the terms of an unexpired permit upon written request to the Director. The Georgia EPD has the authority to modify any groundwater withdrawal permit at any time.

ENVIRONMENTAL PROTECTION DIVISION  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF GEORGIA

PERMIT TO WITHDRAWAL GROUNDWATER

PERMIT NUMBER	025-0061	DATE: February 25, 2011
PERMIT HOLDER'S NAME	DPW Environmental Division – Hunter Army Airfield	
PERMIT HOLDER'S ADDRESS	1550 Frank Cochran Drive, Bldg 1137, Fort Stewart, Georgia 31314 – Chatham County	
In accordance with the Provisions of the Groundwater Use Act, (O.C.G.A § 12-5-90 et seq.) as amended, and the Rules and Regulations for Groundwater Use, Chapter 391-3-2, promulgated pursuant thereto, this Permit is issued to withdraw, obtain, or utilize a maximum system wide total of groundwater in the amount of:  <b>0.720</b> million gallons per day monthly average and <b>0.720</b> million gallons per day annual average;  from <u>one</u> well located at <u>Hunter Army Airfield, Georgia – Chatham County</u> for the purpose of a consumptive use for a <u>central water supply and golf course irrigation</u> .		
This Permit is conditioned upon the permit holder complying with the following:  <b><u>STANDARD CONDITIONS</u></b>		
(1) The provisions of the Groundwater Use Act, as amended, or any of the Rules and Regulations promulgated pursuant thereto;		
(2) The Permit must not be transferred except with the approval of the Georgia Environmental Protection Division (EPD);		
(3) The Groundwater Withdrawal Report will be submitted MONTHLY in accordance with the following schedule: • Production between the first day of the month and the last day of the month will be submitted to EPD by the 10 <sup>th</sup> day of the following month (ex. January 1 <sup>st</sup> through January 31 <sup>st</sup> groundwater withdrawal data will be reported to the EPD by February 10 <sup>th</sup> ).		
(4) The withdrawal of groundwater is limited to the quantities and purpose of the water herein specified.		
<b><u>SPECIAL CONDITIONS</u></b>		
(5) This Permit is valid for ground water withdrawal from the <u>Lower Floridan</u> Aquifer. No other aquifer can be used without the approval of the EPD.		
(6) If multiple aquifers are designated in Special Condition (5) above, groundwater withdrawal of each aquifer must be reported separately. Each aquifer must be identified on the Groundwater Withdrawal Report, as well as listing the well or wells that are producing in each aquifer. If a well is producing in more than one aquifer, it is to be noted. The Groundwater Withdrawal Report must be submitted in accordance with the schedule outlined in Standard Condition (3) of this permit.		
(7) The replacement of any permitted well must receive prior approval from the EPD.		
And the additional attached conditions (8 through 15), which are hereby made a part of this Permit.		
In accordance with the application or letter dated <u>November 14, 2008</u> and in conformity with the statements and supporting data entered therein or attached thereto, all of which are filed with the EPD of the Department of Natural Resources and are hereby made part of this Permit.		
This permit is effective from the date first above written and is subject to revocation on evidence of noncompliance with any of the provisions of the Groundwater Use Act, as amended, or any of the Rules and Regulations promulgated pursuant thereto; or with any representation made in the above mentioned application or the statements and supporting data entered therein or attached thereto; or with any condition of this permit.		
Absent prior revocation in accordance with the above language, this Permit will expire on the <b>31<sup>ST</sup> Day of December 2017</b> .		
DIRECTOR'S SIGNATURE 	DATE: February 25, 2011	Director Environmental Protection Division Department of Natural Resources

### SPECIAL CONDITIONS

- (8) This groundwater withdrawal permit and any future modifications or re-issuances of such, is conditional upon an active implementation of the relevant Lower Floridan Aquifer requirements and the relevant EPD-approved Water Conservation Plan, including reductions in per capita water used and non-revenue water.
- (9) The permit holder must abide by applicable drought response requirements.
- (10) The permit holder must abide by applicable water conservation requirements, including reductions in per capita water used and non-revenue water.
- (11) In accordance with the Groundwater Use Rules, 391-3-2-.08(2), a permit holder will analyze a raw groundwater sample for specific conductance on an annual basis. Analysis for specific conductance must be conducted in accordance with 40 Code of Federal Regulations, Part 141.89. A raw groundwater sample will be collected for every five permitted wells (i.e., if you have between one and five permitted wells, collect one raw groundwater sample for analysis; if you have between six and ten permitted wells, collect a raw groundwater sample from two of the permitted wells, etc.). The groundwater samples must be collected from the highest yielding wells. The results must be submitted to the EPD on corporate letterhead and must include the date sampled, well number, temperature of water sample at time of testing, the specific conductance result, and the units of measurement.
- (12) The EPD has produced the 'Coastal Georgia Water & Wastewater Plan for Managing Salt Water Intrusion' (the Plan). The Plan has identified an array of water conservation, efficiency, and reuse requirements for public and private water providers. The permit holder is required to fully implement and otherwise comply with ALL appropriate requirements identified in the Plan.
- (13) The permit holder's use of an alternate water supply from the Lower Floridan aquifer has met all current policy requirements for water withdrawal permitting approval including the enumeration of calculated Upper Floridan-Lower Floridan production off-sets, as described in Special Condition 14 below.
- (14) The permitted withdrawal limits of the permit holder's Upper Floridan Groundwater Withdrawal Permit (025-0034) have been reduced by 0.210 million gallons per day (mgd) from the previously permitted withdrawal limits of 1.380 mgd monthly average and 0.979 mgd annual average. This reflects the required offset calculated from the agreed upon 29.13 % leakage rate of the permitted withdrawal limits (0.720 mgd monthly and annual average) on this Lower Floridan Groundwater Withdrawal Permit.
- (15) The permit holder must **meter all fire hydrant flushing events.**

### PERMIT MODIFICATION

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