

July 26, 2006

Mr. James Wieck
GZA GeoEnvironmental, Inc.
380 Harvey Road
Manchester, NH 03103-3347

**RE: Bottled Water Source/Large Groundwater Withdrawal Permit LGWP-2006-0002
Chamberlain Springs LLC
166 Old Wolfeboro Road
Alton, New Hampshire**

Dear Mr. Wieck:

The purpose of this letter is to inform you that the New Hampshire Department of Environmental Services (DES) has conditionally issued the following: 1) approval of three bedrock wells designated Alton 1, Alton 2, and Alton 4 as sources of “spring water”; and 2) a large groundwater withdrawal permit. The requested permitted production volume for: Alton 1 is 57,600 gallons per day (gpd); Alton 2 is 50,400 gpd; and for Alton 4 is 115,200 gpd. The total requested production volume for the three new wells is 223,200 gpd.

This approval means that information submitted to DES regarding the development of Alton 1, Alton 2, and Alton 4 meets the requirements of New Hampshire Administrative Rules Env-Ws 389, *Groundwater Sources of Bottled Water*; New Hampshire Administrative Rules Env-Ws 388, *Major Groundwater Withdrawal*; and New Hampshire Administrative Rules Env-Ws 390, *Water Conservation Rules*. The Large Groundwater Withdrawal Permit for Alton 1, Alton 2, and Alton 4 is an attachment to this letter. Also attached to this letter is a Project Narrative.

This decision to conditionally approve Alton 1, Alton 2, and Alton 4 is based on information contained in the following documents:

- 1) Report titled “Preliminary Application, Chamberlain Springs, LLC, Alton, New Hampshire” prepared Covell & Associates, LLC and by GZA GeoEnvironmental, Inc. (GZA), dated November 4, 2004.
- 2) Letter to Christopher Covell from Tim Nowack of DES dated December 21, 2004. The letter contains a list of comments from DES based on its review of the Preliminary Application.
- 3) Report titled “Response to Comments/Withdrawal Test Plan, Bottled Water and Major Groundwater Withdrawal Application, Chamberlain Springs Bottled Water, 166 Old Wolfeboro Road, Alton, New Hampshire” prepared by GZA dated April 15, 2005.

- 4) Letter to James Wieck of GZA from Tim Nowack of DES dated May 20, 2005. The letter contains a list of comments from DES based on its review of item 3 above, response to comments provided by Donald and Sandra White, and response to comments provided by the Town of Alton.
- 5) Report titled "Final Report, Bottled Water and Major Groundwater Withdrawal Application, Chamberlain Springs, 166 Old Wolfeboro Road, Alton, New Hampshire" prepared by GZA dated September 6, 2005.
- 6) Letter to Tim Nowack of DES from Jim Wieck and Steve Lamb of GZA dated September 8, 2005. The letter contains the Source Classification Statement for designation of the production wells as a spring water source.
- 7) Letter to James Wieck of GZA from Tim Nowack of DES dated November 1, 2005. The letter contains a list of comments from DES based on its review of the Final Report.
- 8) Letter report titled "Proposed Work Plan, Lead Source Evaluation, Application for a Large Groundwater Withdrawal, Alton, New Hampshire" prepared by GZA dated January 4, 2006, and "Proposed Sampling and Analytical Methods, Lead Source Evaluation, Application for a Large Groundwater Withdrawal, Alton, New Hampshire" prepared by GZA dated January 12, 2006.
- 9) Letter to James Wieck of GZA from Tim Nowack of DES dated January 20, 2006. The letter contains a list of comments from DES based on its review of the Proposed Work Plan, Lead Source Evaluation.
- 10) Report titled "Lead Source Evaluation/Response to Preliminary Comments, Chamberlain Springs, 166 Old Wolfeboro Road, Alton, New Hampshire" prepared by GZA dated April 12, 2006.
- 11) Letter to James Wieck of GZA from Tim Nowack of DES dated June 23, 2006. The letter contains a list of comments from DES based on its review of the report titled Lead Source Evaluation/Response to Preliminary Comments.
- 12) Letter to Tim Nowack of DES from James Wieck of GZA dated June 28, 2006. The letter contains a responses to DES's letter dated June 23, 2006.

Approval for a bottled water product must also be obtained from the Department Health and Human Services' (DHHS) Beverage and Bottled Water Inspection and Licensing program in accordance with DHHS regulations He-P 2100, Bottled Water. The source classification statement dated September 8, 2005 identifies the wells Alton 1, Alton 2, and Alton 4 as sources of "spring water" in accordance with Env-Ws 389.14 as approved by DES will be forwarded to DHHS. All results of the laboratory analysis for water samples collected from Alton 1, Alton 2, and Alton 4 will also be forwarded by DES to the DHHS Beverage & Bottled Water Inspection & Licensing program. You should contact Leah Keller of DHHS at 271-4673 for further information on these approval requirements.

CONDITIONS OF APPROVAL

The following requirements are associated with the approval of Alton 1, Alton 2, and Alton 4 for use as a bottled water supply and **must be addressed as specified under each condition below:**

1. Each well must be disinfected and well water samples collected and analyzed for bacteria after appropriate purging of disinfected water prior to initiating bottled water operations. Analyses must demonstrate that total coliform is “absent” from each well prior to use as a bottled water source.
2. The Sanitary Protective Area (SPA) for each well shall be established as shown on attached Figure 2 titled “Revised Site Plan” dated June 2006.
3. An executed SPA easement shall be completed for Alton 4 in accordance with Env-Ws 389.06. The executed SPA easement shall be recorded at the Registry of Deeds and a copy of the recorded easement shall be submitted to DES prior to connecting Alton 4 to the water distribution system.
4. The Wellhead Protection Area shall be established as shown in the attached Figure 7A titled “Wellhead Protection Area”.
5. Permitted production flow rates and operating parameters for each well and permit conditions are defined in the attached Large Groundwater Withdrawal Permit LGWP-2006-0002.
6. Any discharge of residuals or wastewater (backwash water) from the water treatment system shall be registered in accordance with Env-Ws 1500 *Groundwater Discharge Permit and Registration* rules. The discharge registration requirements related to water systems that treat for arsenic removal include sampling of the backwash water to demonstrate compliance with state standards and sampling of solid residual or treatment media prior to disposal as solid waste. Details on registration for arsenic treatment system discharges can be found on DES fact sheet WD-WSEB 3-22 located at <http://www.des.state.nh.us/factsheets/ws/ws-3-22.htm>. Copies of the Env-Ws 1500 *Groundwater Discharge Permit and Registration* rules and associated forms can be found on <http://www.des.state.nh.us/dwspp/gwdisch.htm>. Questions regarding the groundwater discharge permitting and registration process should be directed to Mr. Mitch Locker at 271-2858 or email at mlocker@des.state.nh.us.
7. Chamberlain Springs shall blend water produced from the three production wells to reduce uranium concentrations observed in groundwater collected from Alton 2 to a blended concentration below the drinking water standard of 30 micrograms per liter. If ongoing monitoring indicates the need to install a treatment device that removes uranium, the treatment system shall not discharge residuals or backwash to the ground surface or groundwater. Backwash water or residuals shall be containerized on-site and transferred to an approved disposal facility. Details on treating and disposing of wastewater, treatment media and residuals from uranium removal treatment systems can be found on DES fact sheet WD-WSEB 22-21 located at <http://www.des.state.nh.us/factsheets/ws/ws-22-21.htm>.

If you have any questions about this letter or any other groundwater permitting issues, please contact me at 271-8866 or tnowack@des.state.nh.us.

Sincerely,

Timothy L. Nowack, PG
Hydrogeologist
Water Supply Engineering Bureau

Attachments: Large Groundwater Withdrawal Permit No. LGWP-2006-0002
Table 1 – Trigger Water Level Elevations
Project Narrative
Figure 2 - Revised Site Plan
Figure 7A - Wellhead Protection Area

cc: Deanna O'Shaughnessy, Chamberlain Springs, LLC (via email)
Tim Morgan, Chamberlain Springs, LLC (via email)
Steven Lamb, GZA GeoEnvironmental, Inc. (via email)
Jeffrey Littleton, Moosewood Ecological Services (via email)
Brandon Kernen, DES (via email)
Stephen Roy, DES (via email)
Jim Martin, DES (via email)
Jocelyn Degler, DES (via email)
Russell Bailey, Alton Town Administrator (via email)
Alan Sherwood, Alton Selectmen (via email)
Justine Gengras, Alton Conservation Commission (via email)
Ron Gehl, New Durham Selectmen (via email)
Kimon Koulet, Executive Director, Lakes Region Planning Commission (via email)
Joan Murray (via email)
Todd Myse (via email)
Cris Blackstone (via email)
Don & Sandy White (via email)
Arnie Alpert (via email)
Jim Shilander (via email)
Stephen McMahan (via email)
Ann Gilbert (via email)
George Hastings, DES
Cindy Stewart
Charles Shields
J. F. Doughty