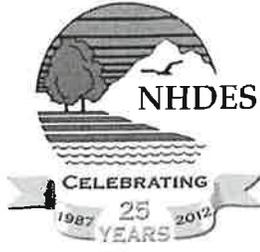


please file



The State of New Hampshire  
**Department of Environmental Services**  
**Thomas S. Burack, Commissioner**



*Celebrating 25 Years of Protecting  
New Hampshire's Environment*



June 19, 2012

Michael Blayney, Ph.D.  
Director Environmental Health and Safety  
37 Dewey Field Rd, Suite 6216  
Hanover, NH 03755

**SUBJECT:** Etna – Dartmouth College, Rennie Farm Project, Hanover Center Road,  
DES Site #201111109, Project #277737

Letter dated June 14, 2012, and prepared by GZA GeoEnvironmental, Inc.

Dear Dr. Blayney:

The Department of Environmental Services (Department) has reviewed the letter dated June 14, 2012 and submitted on behalf of Dartmouth College (Dartmouth) by GZA GeoEnvironmental, Inc. (GZA) and offers the following comments.

The June 14, 2012 letter transmitted results from groundwater quality sampling rounds conducted April 19 and May 23, 2012. 1,4 Dioxane was detected at concentrations of 150 µg/L and 190 µg/L respectively, which are above the Ambient Groundwater Quality Standard (AGQS) of 3 µg/L. GZA indicates that the contaminants may have been mobilized during the soil and container excavation activities on site.

Notification of these concentrations comes to the Department after closure of the regulatory file in Department letter dated May 24, 2012. Based on this new data, the Department will reopen the file and return the site to an active status in our project list.

GZA proposes to complete three additional sampling rounds in 2012 to assess the groundwater quality. The Department recommends that groundwater sampling be conducted in July, September and November of 2012 for volatile organic compounds at all site wells. Additionally, please ensure that the laboratory utilizes a detection limit less than the AGQS of 3 µg/L for 1,4-dioxane.

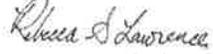
The Department will evaluate the water quality results after the three sampling rounds are submitted. Should concentrations remain significantly above the AGQS an application for a Groundwater Management Permit may be required. These data should be submitted to the Department for review by January 15, 2013.

13,14

Michael Blayney, Ph.D.  
DES #201111109  
June 19, 2012  
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If you have questions regarding this matter, please feel free to contact me.

Sincerely,



Rebecca S. Lawrence, P.G.  
Waste Management Division  
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Fax: (603) 271-2181  
E-mail: [Rebecca.Lawrence@des.nh.gov](mailto:Rebecca.Lawrence@des.nh.gov)

Waste  
Management  
Division

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Management Division  
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o=NHDES, ou=WMD, email=kimberly.  
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ec: Michael Wimsatt, P.G, Director WMD  
Keith DuBois, P.G., HWRB  
Dr. Twila Kenna, NH BRH  
Timothy Kipp, GZA  
Town of Hanover Health Officer