

Subject: FW: Rennie Farm Update
Date: Monday, September 26, 2016 at 1:16:29 PM Eastern Daylight Time
From: Maureen O'Leary
Attachments: Rennie Monitoring Well Map.pdf

From: Maureen O'Leary <Maureen.O'Leary@dartmouth.edu>

Date: Saturday, September 24, 2016 at 7:13 AM

To:

Subject: Rennie Farm Update

Dear neighbors,

We wrote to you in a letter dated Aug. 31 about detecting the chemical 1,4-dioxane in one sample taken from a stream beyond the Rennie Farm property. That sample is part of our monitoring program and we have continued to sample surface water and to install additional groundwater monitoring wells on and around the farm property as we work to determine the extent of the dioxane contamination.

We received lab data this week showing new dioxane contamination in groundwater samples taken from wells marked GZ-25 and GZ-26 on the enclosed map. These wells are located on the north-northeast path along which we believe the dioxane is traveling.

Samples from well GZ-26 ranged from 17 to 33 micrograms per liter and samples from GZ-25 range from 0.0 to 0.54 micrograms per liter. The state standard for groundwater and drinking water is 3.0 micrograms per liter.

This discovery has prompted us to install groundwater monitoring wells in soil and in bedrock to the north and northeast of well GZ-25. Proposed locations for these wells can be seen on the enclosed map (GZ-32, GZ-33, GZ-34, GZ-35, GZ-36). These new monitoring locations are intended to identify the outer limits of the contamination and serve as an early-detection system in case of further migration.

We continue to monitor drinking water wells in the area. If you would like your well sampled please contact us by email at maureen.oleary@dartmouth.edu or by phone at (603) 646-1762.

Unfortunately, drilling northeast of Rennie Road has been difficult. We have encountered boulders underground and also water under pressure below rock formations, known as artesian water flow. We have taken steps to control this artesian flow, including sealing the area around the tops of the

wells to prevent groundwater flow.

On Sept. 23, we informed the New Hampshire Department of Environmental Services of this most recent dioxane finding. A work plan summarizing these latest results and proposed well locations will be sent to the DES and posted on the Rennie Farm website on Tuesday.

The DES is completing its review of our remedial plan for our proposed groundwater pump-and-treat system and we are working to obtain the permits needed for installation of the system, which we expect to have operational by December. While we await approval, we are securing services, equipment, and materials so we are ready to install the system as soon as it is approved.

I would be glad to answer any questions you may have about this or any other Rennie Farm finding. I will be at the farm property along with our consultant, Jim Wieck, on Tuesday, Sept. 27, from 4 to 6 p.m. The entrance to the site is at 572 Hanover Center Road. We welcome the opportunity to speak further with you about this important work.

Regards,

Maureen

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