

Beth Rivard

From: Vicki Smith
Sent: Friday, October 28, 2016 3:32 PM
To: Beth Rivard
Subject: FW: Rennie Farm Update
Attachments: Map of Monitoring Wells.pdf

FYI

From: Maureen O'Leary [mailto:Maureen.O'Leary@dartmouth.edu]
Sent: Friday, October 28, 2016 3:15 PM
To: Maureen O'Leary
Subject: Rennie Farm Update

Dear neighbors,

On September 24 we wrote to you about detecting the chemical 1,4-dioxane at 33 micrograms per liter in an off-site monitoring well east of Rennie Road (GZ-26U/L). Consequently, we installed additional monitoring wells to the north and to the south of that well (see attached map).

Analysis of samples collected from five monitoring wells (GZ-33U, GZ-33L, GZ-38U, GZ-39U, and GZ-39L) recently installed to the north of well GZ-26U/L did not detect 1,4-dioxane.

Analysis of samples collected from three wells (GZ-27U, GZ-40U, and GZ-41U) recently installed to the south of GZ-26U/L detected 1,4-dioxane at concentrations of 5.1 micrograms per liter, 120 micrograms per liter, and 70 micrograms per liter, respectively.

The results of these tests and water level measurements in the wells indicate an area of groundwater centered on well GZ-40U flowing vertically upward from bedrock to soil. This model of groundwater flow and 1,4-dioxane transport is consistent with the model previously reported; however, these new data refine the model by helping us understand the plume to the north and south off-site. This new information will also help us explore possible off-site remediation options.

Next week we plan to begin construction of the groundwater pumping system at the Rennie Farm site. This work will include well drilling and trenching, roadway improvements, establishing an electrical service, and constructing a pad for the treatment system and aboveground components of the groundwater pumping system.

As a reminder, we will be holding a community health meeting next Tuesday, November 1, from 7 to 9 pm in Filene Auditorium in the Moore building on the Dartmouth College campus.

I would be glad to answer any questions you may have about this or any other matters related to Rennie Farm.

Regards,

Maureen

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