

## Beth Rivard

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**Subject:** FW: Rennie Farm Project Update  
**Attachments:** FINAL 04.0190030.02 Table 2 120716.pdf; Curriculum Vitae Thomas H. Winters 2016.docx; Figure 2 - Property Sampling 120516\_3-Compressed[3] copy.pdf

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**From:** Vicki Smith  
**Sent:** Friday, December 09, 2016 10:41 AM  
**To:** Beth Rivard  
**Subject:** FW: Rennie Farm Project Update

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**From:** Maureen O'Leary [mailto:Maureen.O'Leary@dartmouth.edu]  
**Sent:** Friday, December 09, 2016 10:26 AM  
**To:** Maureen O'Leary  
**Subject:** Rennie Farm Project Update

Dear neighbors,

Work continued this week at and around the Rennie Farm site. Activity focused on the construction of the groundwater treatment system and groundwater monitoring projects, including:

-Continued installation of groundwater monitoring wells, with a total of 71 wells now installed and 8 wells remaining to be completed. The attached figure summarizes the locations of wells and status of installation.

-We continue to sample monitoring wells and surface water locations, and data have been posted to the website. The new data have further refined our understanding of the location of 1,4-dioxane in groundwater, and are consistent with our current conceptual model of 1,4-dioxane movement. Noteworthy recent results include:

There is an absence of 1,4-dioxane in the initial sample collected from well GZ-35D, which is one of the two most northerly bedrock monitoring wells.

Bedrock monitoring well GZ-25D is the most northerly point in bedrock where 1,4-dioxane has been detected.

Monitoring well GZ-26U is the most northerly point in overburden where 1,4-dioxane has been detected.

There is an absence of 1,4-dioxane in a confirmatory sample collected from bedrock well GZ-24D, which is north of the source area and has a previous low (0.39 ug/L) detection in the initial groundwater sample, suggesting that the location is on the edge of the plume.

-Investigation of the potential source of 1,4-dioxane detected in samples collected from the water supply well approximately one mile from the Rennie Farm burial site continues. Additional data are being collected and we will provide a summary following completion of the work.

-Construction of the groundwater extraction and treatment systems is ongoing, with the groundwater extraction system component box in place at the site and work ongoing on the treatment system box off-site. The groundwater extraction wells have been installed, and the wells are being connected by buried water and air lines, and electrical conduits.

-A Remedial Design Report, proposed in the Remedial Action Plan, was submitted to the NHDES for review and is posted on the Rennie Farm website.

-A letter was submitted to the NHDES summarizing information from remedial design monitoring well couplets GZ-PM-1U/L and GZ-PM-2U/L, and bedrock extraction well designs.

-The last of the laboratory soil data from the supplemental soil area sampling has been received and data summary and analysis are being completed.

-Water supply well sampling continues, with a total of 104 wells sampled for which data have been reported. We are awaiting data from 14 wells, and an additional 6 wells will be sampled this week. To date, 1,4-dioxane has been detected in 2 wells, with one detection above state-regulated limits. A figure summarizing the results of the water supply well sampling program, updated December 1, is attached.

On December 16, from 9 am to 5 pm, we will provide free access to a confidential third-party medical consultation with Dr. Thomas Winters, a medical toxicologist reviewed and approved by the Rennie Farm neighbor health advisory panel (his curriculum vitae is attached). If you would like to schedule time to speak with Dr. Winters about health-related concerns, please email [LWinters@oehn.net](mailto:LWinters@oehn.net) to set up an appointment.

We continue to offer drop-in hours for Rennie Farm neighbors and the public. Our next session will be held on Tuesday, December 20, from 3:30 to 5:30 pm, in the Environmental Health and Safety conference room located on the Dartmouth College campus at 37 Dewey Field Road in Room 115. Jim Wieck and I will be there to address questions and concerns about the Rennie Farm project. Please feel free to join us.

Sincerely,

Maureen

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