

Attached please find:

1. A 2-page FAQ sheet on baseline testing of private drinking water wells for water quality parameters that are likely to increase in the presence of contamination from shale gas wells; and
2. The list of baseline tests recommended by CSI and their cost.

Our list is based on chemicals and chemical properties that have the greatest likelihood of being present at high concentrations in flowback from gas wells. They can be inferred from a general knowledge of the drilling and fracking processes for shale gas wells. In addition, the Draft Supplemental Generic Environmental Impact Statement released by the New York State Department of Environmental Conservation in September 2009 reported the results of analyses of flowback from shale gas wells in Pennsylvania and West Virginia. To view the flowback analyses, go to <http://www.dec.ny.gov/energy/58440.html>, click on chapter 5, and go to Table 5-9 on page 5-104. These analyses are consistent with the chemicals and chemical properties one expects to find in flowback based on a general understanding of the drilling and fracking processes.

I would also like to draw your attention to a publication of Penn State Cooperative Extension, Water Facts #28 at:

<http://extension.psu.edu/water/resources/publications/water-pollutants/water-quality/gasdrilling.pdf>

The Penn State list, Tier 3, is similar to CSI's list, with a few differences. I would recommend against testing only Tier 1 or Tier 2 chemicals as they do not provide a complete baseline signature.

For more information please go to the Community Science Institute website at www.communityscience.org and click on Gas Wells. I would like to note that the 10-page FAQ sheet on our website needs to be updated to state that baseline testing can be performed at least five to six years in advance of a gas well, as stated in the attached FAQ sheet.

If you have any questions, please feel free to call me at 607-257-6606. The best time to reach me is in the afternoon.

Best wishes with your baseline monitoring project.

Sincerely, Steve Penningroth

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