

# MarcellusGas.Org

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October 27, 2015

CERTIFIED MAIL NO. [REDACTED]

[REDACTED]

Re: 58 Pa.C.S. § 3218 Determination  
Complaint No. 315196  
Sweden Township, Potter County

Dear [REDACTED]

The Department has investigated the possible degradation of your water supply well located at the above referenced subject address in Sweden Township, Potter County, in response to a September 18, 2015 complaint that recent gas well drilling activities may have affected your water supply well. On September 21, 2015, the Department collected samples from your home water supply. The samples were submitted to the Department's laboratory in Harrisburg for analysis and some of the results were previously provided to you in a letter dated October 5, 2015. Additional analytical reports for the samples are now available and are included with this letter, as well as documents that will assist you with interpreting the sample results.

The sample results showed several compounds elevated above Department standards. Iron exceeded its secondary maximum contaminant level (SMCL) of 0.3 mg/L at a concentration of 19.6 mg/L, aluminum exceeded its SMCL of 0.2 mg/L at a concentration of 11 mg/L, and Methylene Blue Active Substance (MBAS) exceeded its SMCL of 0.5 mg/L at a concentration of 0.60 mg/L. Primary MCLs are intended to reflect potential dangers to human health, while secondary MCLs reflect the aesthetics of the water (i.e. taste, smell, etc.). Additionally, turbidity was detected at 507 NTU above its MCL of 1 NTU. However, this standard is only applicable to unfiltered surface water sources.

Several Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs) were detected, but at concentrations below Department standards: 1,2,4-Trimethylbenzene at 0.546 ug/L, Acetone at 217 ug/L, m/p Xylene at 0.768 ug/L, o-Xylene at 0.371 ug/L, Toluene at 0.377 ug/L, and Butylbenzylphthalate at 2.25 ug/L, as well as several Tentatively Identified Compounds (TICs). The presence of TICs are not considered absolute or confirmed by the laboratory, but rather, indicates a spike of a compound for which the instrument was not calibrated.

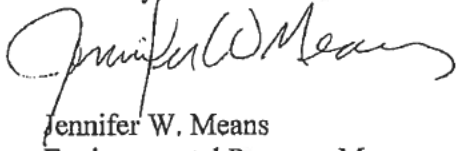
Because drilling activities occurred at an unconventional gas well within two thousand five hundred feet of your water supply, and the pollution occurred and was reported within one year

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after completion of those activities, under Section 3218(c) of the Oil and Gas Act (58 Pa C.S. §3218), the gas well operator is presumed to be responsible for the degradation of your water supply.

The Department is continuing to work to permanently resolve this issue. Should you have any questions concerning this matter, please feel free to contact William J. Kosmer, P.G. at 570.974.2613.

Sincerely,



Jennifer W. Means  
Environmental Program Manager  
Eastern Oil and Gas District

Enclosures:  
Laboratory Analytical Results  
"How to Interpret a Water Analysis Report"

cc:  
Jennifer W. Means  
Dave Engle  
Matt Nuss  
William J. Kosmer, P.G.  
Terra Tokarz  
Sharon Steinbacher  
Complaint File # 315196