

# MarcellusGas.Org

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**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

December 12, 2014

CERTIFIED MAIL NO. [REDACTED]

[REDACTED]

Re: 58 Pa. C.S. § 3218 Notice of Presumption  
Complaint No. 308529  
Eldred Township, Lycoming County

Dear [REDACTED]

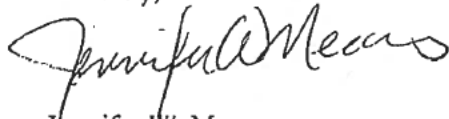
The Department has initiated an investigation of the possible degradation of your water supply well located at the address above in Eldred Township, Lycoming County in response to a 10/31/2014 complaint that recent gas well drilling activities may have affected your water supply well. On 11/3/2014 and 11/4/2014 the Department collected samples from your water supply. The samples were submitted to the Department's laboratory in Harrisburg for analysis. The analytical reports for the samples are included, as well as documents that will assist you with interpreting the sample results. The sample results showed arsenic in your water at 0.0269 milligrams per liter (mg/L) on 11/3/2014 and turbidity at 11.31 NTU on 11/4/2014 which exceeded the primary maximum contaminant level (MCL) of 0.010 mg/L for arsenic and 1 NTU for turbidity. Iron was present at 13.53 mg/L on 11/3/2014 and 0.98 mg/L on 11/4/2014; manganese was present at 4.18 mg/L on 11/3/2014; aluminum was present at 5.084 mg/L on 11/3/2014 and 0.471 mg/L on 11/4/2014. These concentrations exceed the secondary maximum contaminant level (SMCL) of 0.3 mg/L for iron, 0.05 mg/L for manganese, and 0.2 mg/L for aluminum. 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.). The pre-drill laboratory results collected by Fairway Laboratories on behalf of Inflection Energy PA LLC on 3/27/2014 from your well indicated arsenic at <0.004 mg/L, iron at <0.02 mg/L, manganese at <0.01 mg/L, and turbidity at <1.0 NTU. The pre-drill laboratory results did not include aluminum in the analysis. It should be noted that the failure of the pressure switch during the 11/3/2014 sampling event reduced the volume of water collected, and caused a significant amount of sediment to be collected with that reduced volume of water. For that reason, the 11/3/2014 sample results may not be truly representative of the actual water quality in your water well at that time.

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

activities, under Section 3218 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 P. Ben Bahner at 570.321.6522.

Sincerely,



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

Enclosures:

Laboratory Analytical Results  
"How to Interpret A Water Analysis Report"

cc:

P. Ben Bahner  
David Engle  
Stephanie Wharton  
William J. Kosmer  
Sharon Steinbacher  
[REDACTED]