

June 1, 2018

CERTIFIED MAIL NO. [REDACTED]

[REDACTED]

Re: Water Supply Request for Investigation ID: 330982
58 Pa. C.S. § 3218 Determination
Harford Township, Susquehanna County

Dear [REDACTED]

The Department is investigating the possible degradation of your water supply well located at the above referenced address ("Water Supply"), in response to a complaint received on November 16, 2017 that recent gas well drilling activities may have affected your Water Supply. The Department's investigation, prompted by information Cabot Oil & Gas Corp. ("Cabot") provided, indicates that oil and gas activities are presumed to be the cause of the pollution of your water supply.

Summary of Investigation

On November 16, 2017, the Department initiated an investigation of the Water Supply in response to the receipt of data collected during Cabot's investigation concerning [REDACTED] Well Site. On November 20, 2017, and February 5, 2018, the Department collected samples from your Water Supply, as shown in the enclosed table, and submitted them to the Department's laboratory in Harrisburg for analysis. The analytical results are enclosed for your records.

Results of samples from the Water Supply showed that methane was detected at a concentration greater than your predrill analysis. Specifically, the Department's November 20, 2017 sample results revealed methane was detected at 2.94 milligrams per liter (mg/L) which exceeds the predrill analysis value of <0.005 mg/L, and ethane was detected at 0.051 mg/L which exceeds the predrill analysis value of <0.005 mg/L. The Department's February 5, 2018 sample results revealed methane was detected at 3.83 mg/L and ethane was detected at 0.0926 mg/L. Additionally, over the course of the investigation thus far, a third-party contractor on behalf of Cabot also collected a number of samples from your Water Supply. In a sample collected on December 4, 2017, methane was detected at its greatest concentration of 9.9 mg/L.

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 & Gas Act (58 Pa C.S. §3218), the gas well operator is presumed to be responsible for the degradation of your Water Supply.

It is the Department's understanding that you are currently being provided drinking water. The Department is continuing to investigate and work to permanently resolve this issue. Should you have any questions concerning this matter, please feel free to contact Gene Rickard, Water Quality Specialist, at 570-346-5534.

Sincerely,



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

Enclosures:

Fact Sheet – Interpreting Water Supply Results
Results Table
Sample Results

cc: Briana Cunningham (email)
Michael O'Donnell (email)
Eric Rooney (email)
Gene Rickard (email)
Sharon Steinbacher (email)
Complaint File #: 330982