



May 28, 2021

CERTIFIED MAIL NO. [REDACTED]

[REDACTED]

Re: 58 Pa. C.S. § 3218 Determination  
Water Supply Request for Investigation No. 337112  
Brady Township, Clearfield County

Subject Addresses:

[REDACTED]

Dear [REDACTED]

The Department has completed its investigation of your water supply located at the above subject address ("Water Supply").

On March 12, 2019, the Department determined that your Water Supply had been impacted by oil and gas operations. Based on the review of sample results and supplementary information obtained to date, the Department has determined that the source of the impact appears to have been mitigated and the water supply has been replaced with a connection to public water. Nevertheless, please note that at various times during the course of the investigation, water quality samples did not meet (*i.e.*, were/are worse than) health and/or aesthetic statewide standards for constituents such as turbidity, bacteria, arsenic, iron, manganese, aluminum, and zinc. The current levels of detected constituents appear to be related to historical mining activities and unrelated to the stray gas incident. A table illustrating the results of water quality samples collected during the investigation is included, as well as documents that will assist you with interpreting the sample results.

The Department's investigation into your complaint is set forth below.

#### Summary of Investigation

On September 22, 2018, the Department was notified that methane gas may be present in your Water Supply. During inspections conducted by the Department and others during the course of the investigation, methane gas was observed in the water and headspace of your Water Supply. Samples from the Water Supply were collected as shown in the attached table, and submitted to a Pennsylvania-accredited laboratory or the Department's laboratory in Harrisburg for analysis. A replacement water supply in the form of the connection to public water was installed for your property.

May 28, 2021

Initial results of samples from the Water Supply showed that it contained methane above the Department's action level of 7 mg/L. However, results of additional samples collected after the plugging of the suspect gas well revealed that those levels have decreased to levels which are generally below the Department's action level for methane and/or are in compliance with the Consent Order and Agreement signed by Diversified Gas & Oil PLC (Diversified) and the Department. The enclosed table details those results.

Based on the Department's investigation, the Department has determined that the source of the stray gas to the Water Supply has been mitigated and that the impact to the Water Supply was temporary. As a result, the Department considers the incident resolved. Given the historical contamination in the area from previous mining activities, the replacement of the Water Supply with a connection to public water, and the conclusion of investigative activities, the Water Supply should be properly plugged and abandoned by a water well driller licensed in the Commonwealth. Diversified has agreed to conduct plugging and abandonment procedures for the Water Supply.

Please contact William J. Kosmer, P.G. [REDACTED] should you have any questions concerning this matter.

Sincerely,



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

Enclosures:

Laboratory Analytical Table 1  
"How to Interpret A Water Analysis Report"

cc:

William J. Kosmer, P.G.  
Stephanie Wharton  
Sean VanFleet  
Complaint File