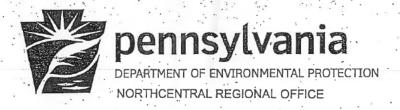
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12/3/2010



CERTIFIED MAIL NO.

Re: Act 223, Section 208 Determination Complaint No. 275833 Monroe Twp., Bradford County

Dear

The Department has investigated the possible degradation of your water supply in response to your 8/6/2010 complaint that recent gas well drilling activities may have affected your water well. On 8/24/2010 and 10/6/2010, the Department collected samples from your home water supply. The samples were submitted to the Department's laboratory in Harrisburg for analysis. The analytical report for the samples are included as well as a summary table and documents that will assist you with interpreting the sample results. The sample results show methane is present at 18.5 mg/l on 8/24/2010 and 8.95 mg/l on 10/6/2010. In addition, both samples exceeded the primary drinking water standard for barium and secondary drinking water standards for manganese, iron, and turbidity. Primary drinking water standards indicate potential risk to human health. Secondary drinking water standards do not indicate potential risk to human health but rather reflect the aesethics of the water (i.e. taste, smell, etc.). The Department investigation indicates that gas well drilling has impacted your home water supply.

Methane is the predominant component of natural gas. Drinking water standard limitations have not been established for methane gas and we do not know of any associated health risks. The true level of concern begins above 28 mg/l methane, which is what we call the saturation level. At this level, under normal atmospheric pressure, the water cannot hold additional methane. The potential hazard occurs when the water is used for extended periods of time. This may allow the gas to come out of the water and concentrate in the air space of your home or building. There is a physical danger of fire or explosion due to the migration of natural gas into water wells or through soils into dwellings where it could be ignited by sources that are present in most homes/buildings. Natural gas can also cause a threat of asphyxiation, although this is extremely rare.

When the Department is made aware of methane levels greater than 3 mg/l, we notify the water supply owner of the hazards associated with methane in their water supply. Please be aware however, that the methane levels can fluctuate somewhat. This means that even with a relatively low level of methane, you should be vigilant of changes in your water that could indicate an increase in methane concentration.

It is the Department's recommendation that all water wells should be equipped with a working vent. This will help alleviate the possibility of concentrating these gases in areas where ignition would pose a threat to life or property. Please note that it is not possible to completely eliminate the hazards of having natural gas in your water supply by simply venting your well.

Monitoring of free gas in the headspaces of the your water well is ongoing. It is our understanding that Chesapeake is currently providing you with an alternate water supply and has connected your home to the municipal water supply. The Department is continuing to work with Chesapeake in order to permanently resolve this issue. Should you have any questions concerning this matter, please feel free to contact Caleb Woolever at 570-327-0546.

Sincerely,

Jennifer W. Means

Environmental Program Manager

Oil and Gas Management

Enclosures

CC

Jennifer Means William Kosmer Caleb Woolever Chesapeake Energy

Complaint File