



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHCENTRAL OIL AND GAS DISTRICT OFFICE

1/17/2012

[REDACTED]

CERTIFIED MAIL NO. [REDACTED]

Re: Act 223, Section 208 Determination
Complaint No. 284149
Grugan Township, Clinton County

Dear [REDACTED]

The Department has investigated the possible degradation of your water supply well located at [REDACTED], in response to a 10/13/2011 complaint that recent gas well drilling activities may have affected your water well. On 10/26/2011, 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 Department's sample results showed three analytes elevated above Department standards. Iron was present at 14.4 mg/L which exceeds the secondary maximum contaminate level (SMCL) of 0.3 mg/L. Manganese was present at 0.47 mg/l which exceeds the SMCL of 0.05 mg/l. Turbidity exceeded the SMCL of 5 NTU for non-filter drinking water sources. Primary MCLs are intended to reflect potential dangers to human health, while SMCLs reflect the aesthetics of the water (i.e. taste, smell, etc.).

A comparison of water quality from your water on 2/8/2011 with data collected on 10/26/2011 shows iron and total suspend solids have increased. Iron and total suspended solids increases can occur due to disturbances in the shallow groundwater system. These types of issues are usually temporary in nature. The Department's investigation indicates that your water supply has been impacted by gas drilling activities.

The Department is working toward resolving the issue. Should you have any questions, please feel free to contact Caleb Woolever at 570-327-0546.

Sincerely,

Jennifer W. Means
Environmental Program Manager
Northcentral Oil and Gas District Office

Enclosures:

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