



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHCENTRAL REGIONAL OFFICE

July 13, 2011

CERTIFIED MAIL NO. [REDACTED]

Re: Act 223, Section 208 Determination.  
Complaint No. 279657  
Meshoppen Township, Wyoming County

Dear [REDACTED]

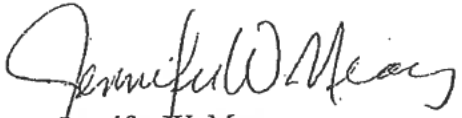
The Department has investigated the possible degradation of your water supply well located at your residence at [REDACTED] in response to a 5/11/2011 complaint that recent gas well drilling activities may have affected your water well. On 5/12/2011, 5/25/2011 and 5/26/2011, the Department collected samples 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 sample results showed manganese in your water ranging from 1.089 milligrams/Liter (mg/L) to 0.299 milligrams/Liter (mg/L) and the level of zinc to be 6.186 mg/L. These concentrations exceed the secondary maximum contaminant level (SMCL) of 0.05 mg/L for manganese and 5 mg/L for zinc. SMCLs are guidelines regulating compounds that may cause aesthetic effects (taste, odor, color) in drinking water. The pre-drill laboratory results collected by Chesapeake on 8/27/2010 from your well indicated manganese (at or less than 0.0150 mg/L) below the respective SMCL. The pre-drill laboratory results did not include zinc in the analysis.

The Department investigation indicates that gas well drilling has impacted your water supply. Because drilling activities occurred at a gas well within one thousand feet of your water supply, and the pollution occurred and was reported within six months after completion of those activities, under section 208(c) of the Oil and Gas Act 58 P.S. §601.208(c), the gas well operator is presumed to be responsible for the degradation of your water supply.

07/13/2011

The Department is continuing to work to permanently resolve this issue. Should you have any questions concerning this matter, please feel free to contact Eric Rooney at 570-346-5543.

Sincerely,



Jennifer W. Means  
Environmental Program Manager  
Oil and Gas Management

Enclosures:

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

cc:

Jennifer Means  
Marc Cooley  
William J. Kosmer, P.G.  
Matt Shope  
Eric Rooney  
Complaint File # 279657