

# MarcellusGas.Org

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# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHCENTRAL REGIONAL OFFICE

1/6/2012

CERTIFIED MAIL NO. [REDACTED]

Re: Act 223, Section 208 Determination  
[REDACTED]

Dear [REDACTED]:

The Department has investigated the possible degradation of your water supply located at your residence at [REDACTED], Asylum Township, Bradford County in response to a complaint that recent gas well drilling activities may have affected your water well. On 8/24/2011, 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 iron in your water at 0.69 mg/L. That concentration exceeds the secondary maximum contaminant level (SMCL) of 0.3 mg/L for iron. SMCLs are guidelines regulating compounds that may cause aesthetic effects (taste, odor, color) in drinking water. Additionally, the sample results showed manganese in your water at 0.30 mg/L. That concentration exceeds the secondary maximum contaminant level (SMCL) of 0.05 mg/L for manganese. The Department's investigation indicates that nearby impoundment construction activities, related to gas drilling operations, have impacted your water supply.

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



November 10, 2014

[REDACTED]

CERTIFIED MAIL NO. [REDACTED]

Re: 58 Pa.C.S § 3218 Determination  
Complaint No. 285804  
Asylum Township, Bradford County

Dear [REDACTED]

The Department has investigated the degradation of your home's water supply well located at the above mentioned address in Asylum Township, Bradford County at the residence formerly owned by Ms. Angelique Allen, in response to a complaint that gas well drilling activities may have affected the water well. The Department collected water samples from your well. The water sample results indicated that gas well drilling activities, in the form of impoundment construction, had impacted your water supply, and on 1/16/2012, the Department issued a letter of positive determination describing this impact.

Subsequent to the issuance of the 1/16/2012 determination letter, water samples were collected from your water supply as part of an intensive investigation. The water samples were collected by a qualified third party and samples were submitted to an independent accredited laboratory for analysis. On 9/30/2011, 1/31/2012, 5/4/2012 and 8/1/2012, Chief Oil and Gas (Chief) collected samples from your home water supply. The Department's investigation and review of the laboratory analytical results indicates that the previous impact to your water supply appears to have returned to background conditions. Manganese exceeded the respective Secondary Maximum Contaminant Level (SMCL) during these water sampling events; however, the concentrations are consistent with the pre-drilling and pre-impoundment construction sample results. Secondary MCLs reflect the aesthetics of the water (i.e. taste, smell, etc.).

Based on water quality sample results to date, the Department does not anticipate requiring any further action in relation to this matter. Should you have any questions, please feel free to contact Eric Rooney, P.G. at 570-346-5543.

Sincerely,

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