



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHCENTRAL REGIONAL OFFICE

8/17/2011

[REDACTED]
[REDACTED]
[REDACTED]
CERTIFIED MAIL NO. [REDACTED]

Re: Act 223, Section 208-Determination
Complaint No. 277726
Troy Township, Bradford County

Dear [REDACTED]

The Department has investigated the possible degradation of your water supply well located at [REDACTED], in response to a 3/9/2011 complaint that recent gas well drilling activities may have affected your water well. On 3/16/2011, 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 indicated all compounds met Department standards for which a standard exists, with the exception of iron. Iron was detected at 16.10 mg/L which exceeds the secondary maximum contaminant level (MCL) of 0.3 mg/L and the level previously detected in a June 2010 predrill sample of 0.59 mg/L. Primary MCLs are intended to reflect potential dangers to human health, while secondary MCLs reflect the aesthetics of the water (i.e. taste, smell, etc.). The information available to the Department at this time indicates that gas well operation activities 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 William J. Kosmer, P.G. at 570-974-2613.

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

Rebecca Renner

Jeremy Daniel

John Ryder

William J. Kosmer, P.G.

Complaint File 277726



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISTRICT OIL AND GAS OPERATIONS

File

7/12/2012

[REDACTED]

CERTIFIED MAIL NO. [REDACTED]

Re: 58 Pa.C.S § 3218 Determination
Complaint No. 277726
Troy Township, Bradford County

Dear [REDACTED]

The Department has investigated the possible degradation of your water supply well located at [REDACTED], in response to a 3/9/2011 complaint that gas well drilling activities may have affected your water well. On 3/16/2011, the Department collected samples from your water supply. The samples were submitted to the Department's laboratory in Harrisburg for analysis. The analytical reports indicated that gas well drilling had impacted your water supply, and on August 17, 2011, the Department issued a letter of positive determination describing this impact.

Subsequent to the issuance of the August 17, 2011 determination letter, additional samples were collected from your water supply as part of an intensive investigation. The samples were collected by a qualified third party and submitted to an independent laboratory for analysis. The analytical reports for those samples were previously submitted to you. The Department's investigation indicates that the previous impact to your water supply appears to have been temporary, and that water quality has returned to background conditions.

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 William J. Kosmer, P.G. at 570-974-2613.

Sincerely,

Jennifer W. Means
Environmental Program Manager
Oil and Gas Management