



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHCENTRAL REGIONAL OFFICE

File

8/1/2011

[REDACTED]

CERTIFIED MAIL NO. [REDACTED]

Re: Act 223, Section 208 Determination
Complaint No. 280200
Smithfield Township, Bradford County

Dear [REDACTED]

The Department has investigated the possible degradation of your water supply well located at [REDACTED], in response to a 5/26/2011 complaint that recent gas well drilling activities may have affected your water well. On 6/2/2011, 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 manganese. Manganese was detected at 0.15 mg/L which exceeds the secondary maximum contaminant level (MCL) of 0.05 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.). Additionally, several compounds remain elevated above levels that were previously reported in your 11/10/10 predrill sample. 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 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.

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,

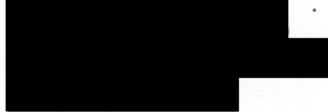
Jennifer W. Means
Environmental Program Manager
Oil and Gas Management



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISTRICT OIL AND GAS OPERATIONS

March 22, 2012



CERTIFIED MAIL NO. [REDACTED]

Re: Act 223, Section 208 Determination (Ammended)
Complaint No.280200
Smithfield Township, Bradford County

Dear [REDACTED]

The Department has investigated the possible degradation of your water supply well located at [REDACTED] in response to a 5/26/2011 complaint that recent gas well drilling activities may have affected your water well. On 6/2/2011, 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 1, 2011, the Department issued a letter of positive determination describing this impact.

Subsequent to the issuance of the August 1, 2011 determination letter, several additional samples were collected from your water supply on 8/16/2011, 10/7/2011, and 11/18/2011 by Chesapeake Appalachia, LLC (Chesapeake). The samples were submitted to an independent third party laboratory (Test America) accredited by the Department's Bureau of Laboratories, for analysis. The analytical reports for the samples were previously supplied to you by Chesapeake, and a summary table is attached to this letter, as well as documents that will assist you with interpreting the sample results.

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,

William J. Kosmer, P.G.
Licensed Professional Geologist
Oil and Gas Management