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Pennsylvania Department of Environmental Protection

321 North State Street
North Warren, PA 16365
April 4, 2008

Warren District Office

814-723-3273
Fax: 814-723-0964

CERTIFIED MAIL NO. [REDACTED]

[REDACTED]

Re: CID NO. 252818
[REDACTED] Water Supply
Act 223 Section 208 Determination
Foster Township, McKean County

Dear [REDACTED]

The Department has investigated, in response to your February 19, 2008 complaint, the possible contamination of your water supply by nearby oil and gas activities. Section 208 of the Oil and Gas Act requires that I make a determination concerning the possible contamination of your water supply within forty-five days of your request for an investigation.

After reviewing the results of your spring water analysis, the Department has concluded that recent oil and gas activity has caused your water supply to become contaminated.

US Energy Development Corporation was in the process of drilling [REDACTED] (API No. [REDACTED]) when the water flowing into your spring became very cloudy in nature. This well is located less than 1000 feet from your spring.

A water sample from within the spring reservoir was taken on February 19, 2008, and indicated iron concentrations of 6410 $\mu\text{g/L}$ and a manganese concentration of 98 $\mu\text{g/L}$ which both exceed the secondary drinking water standards. The Total Dissolved Solids test indicated a concentration of 180 mg/L. On February 25, 2008, a sample was taken when the inflow running into the springhouse was clear and revealed an iron concentration of 140 $\mu\text{g/L}$, a manganese concentration of < 10 $\mu\text{g/L}$, and a TDS concentration of 70 mg/L.

The contamination of your spring has continued to reoccur since the initial instance, and US Energy has been supplying drinking water as necessary. The Department will continue to monitor the situation until the problem is rectified.



April 4, 2008

Enclosed are the complete water sample analysis results from the initial sample taken on February 19, 2008. I previously delivered a fact sheet to help you interpret the report. If you have any questions, please contact me at 814-723-3273.

Sincerely,



Brian B. Ayers
Water Quality Specialist
Oil & Gas Management

Enclosure

cc: NWRO
WDO

BBA:rm

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