



United States
Department of
Agriculture

Forest
Service

Black Hills National Forest
Supervisor's Office

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File Code: 2160

Date: October 7, 2005

Carl Buettner
12712 Troxell
Nemo, SD 57759

Dear Mr. Buettner:

As you requested, the Black Hills National Forest sampled your domestic well on Aug 29, 2005. Water samples were submitted to the Midcontinent Testing Laboratory in Rapid City for analysis for the presence of Ethylene Dibromide (EDB), which is also known as 1,2-Dibromethane. Samples were also submitted to Midcontinent to test for the presence of pesticides, herbicides and Volatile Organic Compounds associated with petroleum products.

EDB (1,2-Dibromethane) was not detected in your drinking water.

Herbicides were not detected in your drinking water.

Volatile Organic Compounds associated with petroleum were not detected in your drinking water.

Pesticides were not detected in your drinking water.

The Environmental Protection Agency (EPA) and the State of South Dakota allow a Maximum Contaminant Level (MCL) of EDB of 0.050 micrograms per liter in public drinking water. The lab used EPA method 524.2 to test for the presence of EDB. The report of the laboratory analysis is attached for your information. The row labeled "Volatile" reports the amount of EDB present in your drinking water as <0.020 micrograms per liter, which means that EDB was not detected in your drinking water. The column labeled "PQL" is the Practical Quantitative Limit. The lab is able to report a value for EDB if it is at or above the PQL value of 0.020 micrograms per liter. As you can see from the result of your test, the value <0.020, indicates that the lab did not detect EDB at the PQL.

The rows labeled "Surrogate Recovery - Volatile" report the lab quality control results for this test. When the sample was submitted for testing, the lab injected a known quantity of two compounds into your water sample to ensure that their test results are reliable. The "results" column reports the percentage of this known amount of 'surrogate' that the lab test equipment was able to recover. This result indicates a high level of confidence in the lab data reported for your drinking water.

The Midcontinent Testing Lab was not equipped to test for pesticides. They submitted that sample to Northern Analytical Laboratories for analysis. As you can see, pesticide values are shown below the PQL for that test indicating that there are no pesticides present in your water. The column labeled "MCL" in the lab report is the EPA maximum contaminant level allowed in drinking water for the particular pesticide. The rows labeled "Batch..." and with the notation "Surrogate" are



laboratory quality control procedures for the pesticide sample. These results indicate a high level of confidence in the lab data reported for your drinking water.

If you have questions, please contact Rusty Wilder, (605) 673-9268.

Sincerely,

/s/Craig Bobzien
CRAIG BOBZIEN
Forest Supervisor

cc:
Rusty Wilder