



State of Wisconsin
Governor Tony Evers

Department of Agriculture, Trade and Consumer Protection
Bradley M. Pfaff, Secretary

8/6/2019

Paula Kramer
9522 County Road Ss Po Bx 93
Nelsonville, WI 54458

Dear Paula:

Thank you for participating in our recent well sampling program. This letter contains the test results for your well (Well Number: ER132)

What did we test for?

We tested a sample of water collected from your well for several agricultural chemicals and nitrate (a form of nitrogen that can come from several sources). We also tested your water for breakdown products of many of the herbicides.

What did we find in your water?

Your water contained nitrate at a level above the health standard of 10 mg/l (ppm). Your water also contained one or more other compounds that did not exceed any health standards. The table included with this letter lists the results for your water and any established health standards.

What are the risks of nitrate?

Nitrate levels greater than 10 mg/l exceeds state and federal standards for nitrate in public drinking water supplies. High nitrate levels in drinking water pose a serious health risk to infants. There is also some evidence of an association between high nitrate levels in drinking water during the first weeks of pregnancy and certain birth defects; however, further scientific study is needed to confirm this association. The Department of Health Services (DHS) recommends that infants in the household, and any females who are or may become pregnant, do not consume any water that exceeds this standard (either by drinking or by eating foods prepared with the water, such as soups, juices and coffee). Additionally, DHS recommends that all people avoid long-term consumption of water having a nitrate concentration greater than 10 mg/l. The enclosed brochure contains more information about nitrate in drinking water.

What should you do now?

Because your well contains unsafe levels of nitrate, we recommend that you take actions to obtain safe drinking water. Boiling the water prior to consumption is not advised as it does not remove nitrate and will actually increase the concentration in the water that remains in the pot. My contact information is below if you would like to obtain more information about options such as bottled water, hauled water, water treatment devices, or a new well. You may want to consider testing your water annually to monitor for changes in the nitrate levels. The State Laboratory of Hygiene (phone 800-442-4618), the Water and Environmental Analysis Lab of UW Stevens Point (phone 877-383-8378) or a private laboratory can perform these tests.

Sincerely,

Ken Potrykus
Hydrogeologist
KennethJ.Potrykus@wi.gov

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Groundwater Sample Results

Sample Collection Date: 6/21/2019

Paula Kramer
9522 County Road Ss Po Bx
Nelsonville, WI 54458

Well Number: ER132

County: Portage

Compound	Result	Health Advisory Level	Over Health Standard?
Nitrogen-Nitrate/Nitrite	10.8 mg/L	10 mg/L	YES
Atrazine	0.0555 µg/L	3 µg/L	*
De-ethyl Atrazine	0.163 µg/L	3 µg/L	*
Deisopropyl Atrazine	0.467 µg/L	3 µg/L	*
Diamino Atrazine	1.03 µg/L	3 µg/L	*
Atrazine (Total)	1.7155 µg/L	3 µg/L	NO
Metolachlor ESA	3.28 µg/L	1300 µg/L	NO
Metolachlor OA	0.318 µg/L	1300 µg/L	NO
2,4,5-T	Not detected	Not established	-
2,4,5-TP	Not detected	50 µg/L	NO
2,4-D	Not detected	70 µg/L	NO
2,4-DB	Not detected	Not established	-
2,4-DP	Not detected	Not established	-
Acetamiprid	Not detected	Not established	-
Acetochlor	Not detected	7 µg/L	NO
Acetochlor ESA	Not detected	230 µg/L	NO
Acetochlor OA	Not detected	230 µg/L	NO
Acifluorfen	Not detected	Not established	-
Alachlor	Not detected	2 µg/L	NO
Alachlor ESA	Not detected	20 µg/L	NO
Alachlor OA	Not detected	Not established	-
Aldicarb Sulfone	Not detected	Not established	-
Aldicarb Sulfoxide	Not detected	Not established	-
Aminopyralid	Not detected	Not established	-
Azoxystrobin	Not detected	Not established	-
Benfluralin	Not detected	Not established	-
Bentazon	Not detected	300 µg/L	NO
Bicyclopyrone	Not detected	Not established	-
Bromacil	Not detected	Not established	-
Carbaryl	Not detected	40 µg/L	NO
Carbofuran	Not detected	40 µg/L	NO
Chloramben	Not detected	150 µg/L	NO
Chlorantraniliprole	Not detected	Not established	-
Chlorothalonil	Not detected	Not established	-
Chlorpyrifos	Not detected	2 µg/L	NO
Chlorpyrifos Oxygen Analog	Not detected	Not established	-

Compound	Result	Health Advisory Level	Over Health Standard?
Clomazone	Not detected	Not established	-
Clopyralid	Not detected	Not established	-
Clothianidin	Not detected	Not established	-
Cyfluthrin	Not detected	Not established	-
Cypermethrin	Not detected	Not established	-
Cyprosulfamide	Not detected	Not established	-
Dacthal	Not detected	70 µg/L	NO
Diazinon	Not detected	Not established	-
Diazinon Oxygen Analog	Not detected	Not established	-
Dicamba	Not detected	300 µg/L	NO
Dichlobenil	Not detected	Not established	-
Dimethenamid	Not detected	Not established	-
Dimethenamid ESA	Not detected	Not established	-
Dimethenamid OA	Not detected	Not established	-
Dimethoate	Not detected	2 µg/L	NO
Dinotefuran	Not detected	Not established	-
Diuron	Not detected	Not established	-
EPTC	Not detected	250 µg/L	NO
Esfenvalerate	Not detected	Not established	-
Ethalfuralin	Not detected	Not established	-
Ethofumesate	Not detected	Not established	-
Flumetsulam	Not detected	Not established	-
Flupyradifurone	Not detected	Not established	-
Fluroxypyr	Not detected	Not established	-
Fomesafen	Not detected	Not established	-
Halosulfuron methyl	Not detected	Not established	-
Hexazinone	Not detected	Not established	-
Imazapyr	Not detected	Not established	-
Imazethapyr	Not detected	Not established	-
Imidacloprid	Not detected	Not established	-
Isoxaflutole	Not detected	Not established	-
Isoxaflutole RPA202248 (DKN)	Not detected	Not established	-
Lamda-Cyhalothrin	Not detected	Not established	-
Linuron	Not detected	Not established	-
Malathion	Not detected	Not established	-
MCPA	Not detected	Not established	-
MCPB	Not detected	Not established	-
MCPP	Not detected	Not established	-
Mesotrione	Not detected	Not established	-
Metalaxyl	Not detected	Not established	-
Methyl Parathion	Not detected	Not established	-
Metolachlor	Not detected	100 µg/L	NO
Metribuzin	Not detected	70 µg/L	NO
Metribuzin DA	Not detected	Not established	-
Metribuzin DADK	Not detected	Not established	-
Metsulfuron-methyl	Not detected	Not established	-
Nicosulfuron	Not detected	Not established	-

Compound	Result	Health Advisory Level	Over Health Standard?
Norflurazon	Not detected	Not established	-
Oxadiazon	Not detected	Not established	-
Pendimethalin	Not detected	Not established	-
Picloram	Not detected	500 µg/L	NO
Prometone	Not detected	100 µg/L	NO
Prometryn	Not detected	Not established	-
Propiconazole	Not detected	Not established	-
Saflufenacil	Not detected	Not established	-
Simazine	Not detected	4 µg/L	NO
Sulfentrazone	Not detected	Not established	-
Sulfometuron-methyl	Not detected	Not established	-
Phostebupirim	Not detected	Not established	-
Tembotrione	Not detected	Not established	-
Thiacloprid	Not detected	Not established	-
Thiamethoxam	Not detected	Not established	-
Thiencarbazone-methyl	Not detected	Not established	-
Triclopyr	Not detected	Not established	-
Trifluralin	Not detected	7.5 µg/L	NO

mg/L = milligrams per liter, equivalent to parts per million.

µg/L = micrograms per liter, equivalent to parts per billion.

* The Health Advisory Level for the sum of parent atrazine and three breakdown products is 3 µg/L.