| Bloomfield Water & Sewer  | KY0900031  |
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| Water Quality Report for year 2017  | Manager: Ricky Jewell  |
| P.O. Box 204  | Phone: <b>502-249-0744</b>   |
| Bloomfield, KY 40008  |  |
| Meetings: Bloomfield City Hall  | CCR Contact: Ricky Jewell  |
| Water - Essential for Life Meeting Dates and Time: Second Monday of each month 6:30 PM  | Phone: 502-252-8222  |
| This report is designed to inform the public about the quarty of water and services provided on a darry basis. Our commun   | ent is to provide our customers with a safe, clean,  |
| and reliable supply of drinking water. We want to assure that we will continue to monitor, improve, and protect the water sy  | ystem and deliver a high quality product. Water is   |
| the most indispensable product in every home and we ask everyone to be conservative and help us in our efforts to protect the we purchase our water exclusively from Bardstown. Bardstown Municipal Water Derpartment (BMWD) utilizes water   | he water source and the water system.<br>r from Sympson Lake and the Beech Fork River.   |
| These sources are classified as surface water. A source water assessment of the system's susceptibility to potential sources of   | of contamination has been completed. A summary   |
| of this plan is available through the Lincoln Trail Area Development District 613 College St Rd Elizabethtown Kenti   | icky 42702 telephone (270) 769-2393 It is also   |
| available at City Hall 141 Denet Street Pleamfield Kentucky 40008 telephone (502) 252 9222 upon request. Areas a  | f high concern consist of row groups bridges and   |
| avanable at City Han 141 Depti Street, Bloomineid, Kentucky 40008 terepriore (502) 252-6222 upon request. Areas o   | in high concern consist of row crops, orages, and  |
| curverts, urban and recreational grasses. The potential for chemical splits, leaks, or nazardous material accidentally sp   | sining into the water source give these sites the  |
| susceptibility ranking of high. However, the overall ranking of the water sorce is moderate.<br>Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contain<br>necessarily indicate that water poses a health risk. More information about contaminants and potential health effects may be   | minants. The presence of contaminants does not   |
| Agency's Safe Drinking Water Hotline (800-426-4791).  |  |
| The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, a  | nd wells. As water travels over the surface of the   |
| land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and may   | pick up substances resulting from the presence of  |
| animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, su  | ich as viruses and bacteria, (sewage plants, septic  |
| systems, livestock operations, or wildlife). Inorganic contaminants, such as salts and metals, (naturally occurring or from a   | stormwater runoff, wastewater discharges, oil and  |
| gas production, mining, or farming). Pesticides and herbicides, (stormwater runoff, agriculture or residential uses). Organi  | ic chemical contaminants, including synthetic and  |
| volatile organic chemicals, (by-products of industrial processes and petroleum production, or from gas stations, stor   | rmwater runoff, or septic systems). Radioactive  |
| In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants  | in water provided by public water systems. FDA   |
| regulations establish limits for contaminants in bottled water to provide the same protection for public health.<br>Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-com  | promised persons such as persons with cancer   |
| undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune sy  | stem disorders, some elderly, and infants can be   |
|   |  |
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Spanish (Español) Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.

| The data presented in this repor | t are from the               | e most recent tes      | sting d  | one in accorda    | nce with a    | iminis  | trative regulation | ons in 401 KAR  | Chapter 8. A   | s authorized and approved by EPA, the  |
|----------------------------------|------------------------------|------------------------|----------|-------------------|---------------|---------|--------------------|-----------------|----------------|--|
| State has reduced monitoring re  | equirements for              | or certain contai      | minant   | s to less often   | than once p   | ber yea | r because the c    | oncentrations o | f these contan | ninants are not expected to vary   |
| significantly from year to year. | Some of the o                | lata in this table     | e, thoug | gh representat    | ive, may be   | more    | than one year o    | old.            |                |  |
| A = Bloomfield                   | Alle                         | Allowable              |          | Highest Single    |               |         | Lowest             | Violation       |                |  |
| B= Bardstown                     | L                            | evels                  | Measure  |                   | ment Month    |         | Monthly %          |                 |                | Likely Source of Turbidity   |
| Turbidity (NTU) TT               | No more than 1 NTU*          |                        |          |                   |               |         |                    |                 |                |  |
| * Representative samples         | Less than 0                  | ess than 0.3 NTU in B= |          | 0.51              |               |         | 100                | No              |                | Soil runoff  |
| of filtered water                | ed water 95% monthly samples |                        |          |                   |               |         |                    |                 |                |  |
| <b>Regulated Contaminan</b>      | t Test Res                   | ults                   |          |                   |               |         |                    |                 |                |  |
| Contaminant                      |                              |                        | So       | Report            |               | Ran     | ge                 | Date of         | Violation      | Likely Source of   |
| Microbiological Contar           | Microbiological Contaminants |                        |          |                   |               |         |                    |                 |                |  |
| Inorganic Contaminant            | ts                           |                        |          |                   |               |         |                    |                 |                |  |
| Barium                           |                              |                        |          |                   |               |         |                    |                 |                | Drilling wester: motel refineries:   |
| [1010] (ppm)                     | 2                            | 2                      | B=       | 0.02              | 0.02          | to      | 0.02               |                 | No             | erosion of natural deposits  |
| Copper [1022] (ppm)              | AL =                         |                        | A=       | 0.102             |               |         |                    |                 |                | Compaise of based and a basebing   |
| sites exceeding action level     | 1.3                          | 1.3                    |          | (90 <sup>th</sup> | 0.003         | to      | 0.29               | Jul-15          | No             | systems  |
| 0                                |                              |                        |          | percentile)       |               |         |                    |                 |                | systems  |
| Fluoride                         |                              |                        |          |                   |               |         |                    |                 |                | We down a life in a life in a second of  |
| [1025] (ppm)                     | 4                            | 4                      | B=       | 0.072             | 0.07          | to      | 0.07               | Apr-17          | No             | strong teeth   |
| Lead [1030] (ppb)                | AL =                         |                        | A=       | 2                 |               |         |                    |                 |                |  |
| sites exceeding action level     | 15                           | 0                      |          | (90 <sup>th</sup> | 0             | to      | 7                  | Jul-15          | No             | systems  |
| 0                                |                              |                        |          | percentile)       |               |         |                    |                 |                | 39361113   |
| Nitrate<br>[1040] (ppm)          | 10                           | 10                     | B=       | 1.6               | 1.6           | to      | 1.6                | 2/17/18         | No             | Fertilizer runoff; leaching from septic<br>tanks, sewage; erosion of natural<br>deposits |
| Synthetic Organic Con            | taminants                    | including H            | estic    | ides and H        | l<br>erbicide | s       |                    |                 |                |  |
| Atrazine                         | 1                            |                        | 1        |                   |               |         |                    |                 |                |  |
| [2050] (ppb)                     | 3                            | 3                      | B=       | 0.39              | 0             | to      | 1.1                | Apr-17          | No             | Runoff from herbicide used on row crops  |
| Disinfectants/Disinfecti         | on Byproc                    | lucts and P            | recur    | sors              |               |         |                    |                 |                |  |
| Total Organic Carbon (ppm)       |                              |                        |          |                   |               |         |                    |                 |                |  |
| (report level=lowest avg.        | TT*                          | N/A                    | B=       | 2.49              | 1.63          | to      | 3.09               | 2017            | No             | Naturally present in environment.  |
| range of monthly ratios)         |                              |                        |          |                   |               |         |                    |                 |                |  |
| *Monthly ratio is the % TOC re   | emoval achiev                | ed to the % TO         | C rem    | oval required.    | Annual ave    | erage n | nust be 1.00 or    | greater for com | pliance.       | •  |
| Chlorine                         | MRDL                         | MRDLG                  | A=       | 0.78              |               |         |                    |                 |                | We down a life in the second self  |
| (ppm)                            | = 4                          | = 4                    |          | (highest          | 0.04          | to      | 1.22               | 2017            | No             | water additive used to control   |
|                                  |                              |                        |          | average)          |               |         |                    |                 |                | incrobes.  |
| HAA (ppb) (Stage 2)              |                              |                        | A=       | 48                |               |         |                    |                 |                | Demon du et ef dein bin e suster   |
| [Haloacetic acids]               | 60                           | N/A                    |          |                   | 31.9          | to      | 58                 | 2017            | No             | disinfection   |
|                                  |                              |                        |          | (average)         | (range        | of indi | vidual sites)      |                 |                |  |
| TTHM (ppb) (Stage 2)             |                              |                        | A=       |                   |               |         |                    |                 |                | Demonstrate of driving in a sustain  |
| [total trihalomethanes]          | 80                           | N/A                    |          |                   | 33.6          | to      | 92.5               | 2017            |                | disinfection   |
|                                  | 1                            |                        |          | (average)         | (range        | of indi | vidual sites)      |                 |                | aloniteetion.  |

Our water system violated one or more drinking water standards over the past year. Even though these were not emergencies, as our customers, you have a right to know what happened and what we did to correct these situations.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During 10/01/2017 to 12/31/2017 we failed to submit an adequate number of disinfection byproduct (DBP) samples.

There is nothing you need to do at this time. You do not need to use an alternative (e.g., bottled) water supply.

The table below lists the contaminant(s) we did not properly test for during the last year, how often we are supposed to sample for [this contaminant/these contaminants] and how many samples we are supposed to take, how many samples we took, when samples should have been taken, and the date on which followup samples were (or will be) taken.

|             | required sampling | number of samples taken | samples should  | when samples were or |
|-------------|-------------------|-------------------------|-----------------|----------------------|
| contaminant | frequency         |                         | have been taken | will be taken        |
| DBP         | Quarterly         | 2                       | 0               | Quarterly            |

What happened? Who is at risk? What is being done?

During our quarterly sampling a lab identification number was inadvertantly left off of the chain of custody paperwork and or the results of the samples. We have reviewed our practices in this regard and altered our policies so that this issue will not arise in the future.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.