Water Department Contact Information

Bart Wrubel
Supervisor of Water/Wastewater Operations
1535 River Rd.
Marysville, MI 48040
(810)-364-8460
brubel@cityofmaryvillemi.com

Have any questions? Interested in a plant tour?
Call the Water Plant at (810)-364-8460 to ask your
questions or schedule a visit!!

Public information and participation regarding
water issues are encouraged. You are welcome to
attend City Council meetings that are held on the
2nd and 4th Monday of each month at the City Hall
Council Chambers.

Other Phone Contact Information

St. Clair County Health Dept. 810-987-5300
Michigan DEQ, Warren Office 586-753-3700
Environmental Assistance Center 810-662-9278
EPA Drinking Water Hotline 800-426-4791
Marysville DPS Director 810-364-8340
Marysville City Manager 810-364-6613

On-Line Information

City of Marysville website: www.cityofmaryvillemi.com
American Water Works Association: www.awwa.org
Michigan Department of Natural Resources and Environment:
www.michigan.gov/deq
Water Environment Federation:
www.wef.org

This report can be found on the City of Marysville
website. Copies may also be obtained at the
Library, City Hall, Water Plant, Public Safety
Building, and DPS building.

WHERE DOES YOUR WATER COME FROM...

Our water source is the St. Clair River. This
river is a fresh water source, and is part of
the Great Lakes water supply. The filtration
plant has two 550 ft intake lines that are 30 ft below
surface level that draw the water into the plant.

...HOW IS IT TREATED...

The water is chlorinated for disinfection,
treated with alum for particulate settling,
fluoridated for tooth decay prevention, and
filtered for fine turbidity removal. We routinely
monitor for contaminants in your drinking
water according to State and Federal laws.
When the plant is in operation, we monitor
chlorine and turbidity levels at least once
every hour. Bacteria, pH, hardness, alkalinity,
and fluoride are monitored once every day.

...AND HOW DOES IT GET TO YOU?

After treatment, it is pumped through
approximately 50 miles of water distribution
mains to service the entire city and also
maintain levels in our three elevated water
towers.

SOURCE WATER ASSESSMENT

The state performed an assessment of our source
water in 2004 to determine the susceptibility of the
potential for contamination. The susceptibility
rating is on a six-tiered scale from “very low” to
“high” based primarily on geologic sensitivity,
water chemistry and contaminant sources. The
susceptibility of our source is “highly susceptible”
given the land uses and potential contaminant
sources within the source water area. A copy of
the full report is available.

The City of Marysville Water Filtration Plant is pleased to present
our 19th Annual Water Quality Report. This report shows the
results of our monitoring for the period of January 1st to December
31st, 2017. This publication is being issued to conform to the rules
and regulations of the United States Environmental Protection Agency
(USEPA) and the Michigan Department of Environmental
Quality (MDEQ).
CONTAMINANTS THAT MAY BE PRESENT IN SOURCE WATER INCLUDE:

**Microbial contaminant:** Viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

**Inorganic contaminants:** Salts and metals, which can be naturally-occurring, or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

**Pesticides and Herbicides:** Variety of sources such as agriculture, urban stormwater runoff, and residential uses.

**Radioactive contaminants:** Can be naturally occurring or the result of oil and gas production and mining activities.

**Organic chemical contaminants:** Includes synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

To ensure that tap water is safe, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) establishes limits for contaminants in bottled water, which must provide the same protection for public health. All of these contaminants were below the level of concern in Marysville's water.

**SPECIAL HEALTH CONCERNS**

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. Federal guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are also available from EPA’S Safe Drinking Water Hotline, 800.426.4791.

### Test Results for the 2017 Calendar Year

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Violation Y/N</th>
<th>Testing Results and Notes</th>
<th>MCL / MRDL</th>
<th>MCLG / MRDLG</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbidity</td>
<td>N</td>
<td>Highest single reading was 0.04 NTU</td>
<td>Single: 1.0 NTU</td>
<td>Soil runoff, natural colloidal particles in the raw river water.</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>100% of samples were under monthly MCL of 0.3 NTU</td>
<td>Monthly: 95% of samples &lt; 0.3 NTU</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Turbidity - A measurement of the cloudiness of the water. We monitor it because it is a good indication of the effectiveness of our filtration system. Turbidity is monitored at least every hour that the water plant is in operation. In accordance to ODEQ guidelines, 95% of all samples must be below 0.30 NTU, and every single sample must be below 1.0 NTU. 100% of our samples were under 0.30 NTU, and our highest was 0.04 NTU. As an example, 0.50 NTU is barely noticeable to the human eye.

<table>
<thead>
<tr>
<th>Regulated Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluoride</td>
</tr>
<tr>
<td>Selenium</td>
</tr>
<tr>
<td>Barium</td>
</tr>
<tr>
<td>TTHM - Total Trihalomethanes</td>
</tr>
<tr>
<td>HAA5 - Halo Acetic Acids (5)</td>
</tr>
<tr>
<td>Free Chlorine</td>
</tr>
</tbody>
</table>

| Unregulated Parameters: | | | | | |
|------------------------| | | | | |
| Sodium | N | 7 ppm - sampled on 8/17/17 | NA | Erosion of natural deposits |
| Chloride | N | 9 ppm - sampled on 8/17/17 | NA | Road salt, industrial discharge |
| Sulfate | N | 13 ppm - sampled on 8/17/17 | NA | Erosion of natural deposits |

<table>
<thead>
<tr>
<th>Lead &amp; Copper:</th>
<th>results from 23 homes with lead service lines in July of 2017. Our next testing will be in the 3rd Qtr 2020.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (sampled from 23 homes)</td>
<td>N</td>
</tr>
<tr>
<td>Lead (sampled from 23 homes)</td>
<td>N</td>
</tr>
<tr>
<td>Lead (sampled at water plant)</td>
<td>N</td>
</tr>
</tbody>
</table>

**OTHER IMPORTANT INFORMATION**

For more information regarding your drinking water including: lead service line information, lead testing information, various laboratory testing results, or a digital copy of this Water Quality Report, please visit the City’s website at: www.cityofmarysvillemi.com and click on Drinking Water Information.