INTRODUCTION
To comply with State regulations, Hamilton College Water District (HCWD) will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. The system is a purchase water system of the Mohawk Valley Water Authority (MVWA), meaning all water is purchased from the MVWA and distributed through our water mains to customers. Attached is the MVWA Annual Water Quality Report. Last year, your tap water met all State drinking water health standards. This report provides an overview of the water quality for the past year. Included are details about where your water comes from, what it contains, and how it compares to State standards. Additional information may be obtained at www.mvwa.us.

If you have any questions about this report or concerning your drinking water, please contact William Huggins, Associate Director of the Physical Plant, 315-859-4177. We want you to be informed about your drinking water.

WHERE DOES OUR WATER COME FROM?
Our water system serves 2181 people through 173 service connections. These people are year-round residents, employees and staff or students. The HCWD purchases 100% of its water from the MVWA. (See the MVWA Report for additional information on where our water comes from.) If needed, sodium hypochlorite (chlorine) is added to the water to ensure continuous disinfection of the water supply. The water is pumped to a 1-million gallon storage tank. From here, the water flows by gravity to all buildings and residences within the water district.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?
In addition to the MVWA sample results (see attached MVWA Report), the HCWD Water System routinely tests your drinking water for coliform bacteria, disinfection residuals, lead and copper, and disinfection byproducts. The table presented below depicts which compounds were detected in your drinking water.

| Table of Detected Contaminants (Hamilton College WD) |
|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Contaminant Average or Maximum Violation Sample | Is System Likely | Level Detected Date of Unit Source of Measurement MRDLG (MCL, MRDL, TT or AL) (Range) | MCLG | Regulatory Limit Contamination |
| Inorganic Contaminants |
| Copper | No | 8/13 | 0.038 (1) (range = 0.0093 – 0.086) | mg/l | 1.3 | AL = 1.3 Corrosion of household plumbing systems; Erosion of natural deposits. |
| Lead | No | 8/13 | 2.7 (2) (range = ND – 4.0) | ug/l | 0 | AL = 15 Corrosion of household plumbing systems; Erosion of natural deposits. |
| Disinfectants |

(1) mg/l (range = 0.0093 – 0.086)
(2) ug/l (range = ND – 4.0)
### Chlorine Residual

<table>
<thead>
<tr>
<th>Method</th>
<th>Frequency</th>
<th>Level Detected</th>
<th>Unit</th>
<th>MRDL</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Daily / Monthly</td>
<td>0.74 (3) (range = 0.24 – 1.1)</td>
<td>mg/l</td>
<td>N/A</td>
<td>MRDL = 4 (4)</td>
</tr>
</tbody>
</table>

### Disinfection Byproducts

- **Haloacetic Acids (HAA5 - mono-, di-, and trichloroacetic acid, and mono- and dibromoacetic acid)**
  - No
  - Quarterly
  - 24 (5)
  - ug/l
  - N/A
  - MCL = 60

- **Total Trihalomethanes (TTHMs – chloroform, bromodichloromethane, dibromochloromethane and bromoform)**
  - No
  - Quarterly
  - 63 (5)
  - ug/l
  - N/A
  - MCL = 80

By-product of drinking water disinfection needed to kill harmful organisms.

By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic matter.

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**Table of Detected Contaminants (Hamilton College WD)**

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Is System in Violation?</th>
<th>Date of Sample</th>
<th>Level Detected Average or Maximum (Range)</th>
<th>Unit Measurement</th>
<th>MCLG / MRDLG</th>
<th>Regulatory Limit (MCL, MRDL, TT or AL)</th>
<th>Likely Source of Contamination</th>
</tr>
</thead>
</table>

See Mohawk Valley Water Authority AWQR for additional sample information - Physical Parameters, Radioactive Contaminants, Inorganic Contaminants, Synthetic Organic Contaminants, Principal Organic Contaminants, Lead and Copper

### Notes:

1. The level presented represents the 90th percentile of the ten (10) sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system. In this case, ten (10) samples were collected at your water system and the 90th percentile value was the second highest value. The action level for copper was not exceeded at any of the sites tested.

2. The level presented represents the 90th percentile of the ten (10) samples collected. The action level for lead was not exceeded at any of the sites tested.

3. The values presented represent the average and range of the levels reported on the monthly microbiological sampling reports.

4. Value presented represents the Maximum Residual Disinfectant Level (MRDL) which is a level of disinfectant added for water treatment that may not be exceeded at the consumer’s tap without an unacceptable possibility of adverse health effects. MRDLs are currently not regulated but in the future they will be enforceable in the same manner as MCLs.

5. The levels represent the Highest Locational Running Annual Quarterly Average (LRAA) and range for all required compliance samples submitted under Stage 2 DBPR sampling requirements.

### Definitions:

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action Level</strong> AL</td>
<td>The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.</td>
</tr>
<tr>
<td><strong>Maximum Contaminant Level</strong> MCL</td>
<td>The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.</td>
</tr>
<tr>
<td><strong>Maximum Contaminant Level Goal</strong> MCLG</td>
<td>The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.</td>
</tr>
</tbody>
</table>
**MAXIMUM RESIDUAL DISINFECTANT LEVEL**
The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**MAXIMUM RESIDUAL DISINFECTANT LEVEL GOAL**
The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

**MILLIGRAMS PER LITER**
Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

**MICROGRAMS PER LITER**
Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

**NON-DETECTED**
Laboratory analysis indicates that the constituent is not present.

**TREATMENT TECHNIQUE**
A required process intended to reduce the level of a contaminant in drinking.

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**WHAT DOES THIS INFORMATION MEAN?**
We have learned through our testing that some contaminants have been detected; however, most of these contaminants were detected below the level allowed by the State.

**IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?**
Last year, our system was in general compliance with applicable State drinking water operating, monitoring and reporting requirements. We test for free chlorine residuals on a daily basis. Each month we submit to the Health Department a report with these measurements.

**CLOSING**
Thank you for allowing us to continue to provide your family with quality drinking water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. Please call our office if you have questions.

See Attached MVWA Report for additional required reporting, sampling, treatment and water source information.