Dear Customer: We are pleased to present a summary of the quality of the water provided to you during the past year. The Safe Drinking Water Act (SDWA) requires that utilities issue an annual "Consumer Confidence" report to customers in addition to other notices that may be required by law.

The bottom line: Is the water safe to drink? We are proud to report that the water provided by the Colchester Sewer and Water Commission meets or exceeds all current federal and state drinking-water standards.

As a public water system, we perform monitoring for certain “contaminants”. Some contaminants are monitored continuously while others are tested for on weekly, monthly, quarterly, annually, or multi-year basis depending on criteria established by the Department of Public Health. When a contaminant exists above a detectable level, it is reported in the table below. In testing for over 100 contaminants, we only detected 11 of those contaminants, and all were at levels well below the State limits. This report is a snapshot of last year’s water quality. Included are details of where our water comes from, what it contains, and the risks our water testing and treatment are designed to prevent. Colchester Sewer and Water Commission is committed to providing you with a safe and reliable water supply. Informed consumers are our best allies in maintaining safe drinking water.

We encourage public interest and participation in our community's decisions affecting drinking water. Regular Commission meetings occur on the second Wednesday of each month, at Colchester Town Hall at 7:00 pm. The public is welcome. Find out more about Colchester Sewer and Water Commission on the Internet at [www.colchesterct.gov].

Overview
In 2009, the Department refined the operations of the newly renovated Tainter Hill Road Treatment Plant which includes two new filter vessels, three retrofitted vessels, a SCADA computerized monitoring and control system, and new pumping and storage capabilities. Staff continued to implement the system-wide radio meter upgrade with nearly 1,600 radio-read meters installed to date.

Water Source
Water supplied to the Town’s municipal water users comes from a series of groundwater wells.

What Does The Following Table Mean?
The table below lists all of the drinking water contaminants that we detected, even in the most minute traces, during 2009. If, due to testing frequency regulations, certain contaminants were not tested for in 2009, but were present in the most recent prior test year, that date is shown. The table contains the name of each substance, the highest level allowed by regulation (MCL), the ideal goals for public health (MCLG), the amount detected, the usual sources of such contamination, footnotes explaining our findings, and a key to units of measurement. Definitions of MCL and MCLG are important and are further defined below. The Detected Level is the highest level detected in the sampling sequence. The Detected Range represents the lowest and highest levels detected during multiple sampling sequences. A narrow range represents a relatively consistent condition whereas a wide range may represent a single condition or spike in the readings. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentration of these contaminants do not change frequently.

Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLG as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or MCLG: 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.

Key To Table
AL = Action Level
MCL = Maximum Contaminant Level
MCLG = Maximum Contaminant Level Goal
MFL = million fibers per liter
NTU = Nephelometric Turbidity Units
ppb = parts per billion, or micrograms per liter (µg/l)
ppq = parts per quadrillion, or picograms per liter
ppm = parts per million, or milligrams per liter (mg/l)
n/a = not applicable; a MCL or MCLG has not been set
TT = Treatment Technique

<table>
<thead>
<tr>
<th>Contaminant</th>
<th>Date Tested</th>
<th>Unit</th>
<th>MCL</th>
<th>MCLG</th>
<th>Detected Level</th>
<th>Detected Range</th>
<th>Major Sources</th>
<th>Violation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inorganic Contaminants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>9-16-08</td>
<td>ppb</td>
<td>AL=15</td>
<td>AL=15</td>
<td>11</td>
<td>0.0 – 11</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
<td>NO</td>
</tr>
<tr>
<td>Copper</td>
<td>9-16-08</td>
<td>ppm</td>
<td>AL=1.3</td>
<td>AL=1.3</td>
<td>0.086</td>
<td>0.0091 – 0.086</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
<td>NO</td>
</tr>
<tr>
<td>Sulfate</td>
<td>8-20-09</td>
<td>ppm</td>
<td>250</td>
<td>n/a</td>
<td>23</td>
<td>23</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
<td>NO</td>
</tr>
<tr>
<td>Sodium</td>
<td>8-20-09</td>
<td>ppm</td>
<td>n/a</td>
<td>n/a</td>
<td>37</td>
<td>37</td>
<td>Corrosion of household plumbing systems; erosion of natural deposits</td>
<td>NO</td>
</tr>
</tbody>
</table>
**Additional Health Information**

To ensure that tap water is safe to drink, EPA prescribes limits on the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection 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, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic contaminants**, such as salts and metals, which can be naturally-occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, storm water runoff, and residential uses.
- **Organic chemical contaminants**, including synthetic and volatile organics, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff and septic systems.
- **Radionuclides**, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than is the general population. Immuno-compromised persons such as persons with cancer 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. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (800-426-4791).

The State Department of Public Health performed an assessment of our drinking water sources in conjunction with a source water assessment for all community and non-community public drinking water sources in Connecticut. The assessment report, in conjunction with the State and Town’s Aquifer Protection Area regulations, help protect the Town’s valuable public drinking water sources. The Town regulation can be found at [http://www.colchesterct.gov/Pages/ColchesterCT_Dept/PZ/regs/ap/APAFINAL.pdf](http://www.colchesterct.gov/Pages/ColchesterCT_Dept/PZ/regs/ap/APAFINAL.pdf)

**Concerning Lead in Our Water**

At the sampling frequency and quantity required for the Town of Colchester system by the Connecticut Department of Public Health, the 90th percentile was below the State action level (see Table above). The 90th percentile is the threshold value used by the State for reporting lead and copper test results. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in the home.
Concerning Copper in Our Water
At the sampling frequency and quantity required for the Town of Colchester system by the Connecticut Department of Public Health, the 90th percentile was below the State action level (see Table above). The 90th percentile is the threshold value used by the State for reporting lead and copper test results. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could develop kidney problems or high blood pressure. Additional information is available from the Safe Drinking Water Hotline (800-426-4791).

National Primary Drinking Water Regulation Compliance

Variance and Exemptions
Under a waiver granted on February 9, 1999 by the State Department of Public Health (DPH) granted our northern wells a waiver for dioxin and endothall testing because potential sources of these compounds do not exist within the aquifer recharge area. The same waiver was granted for the western wells on September 28, 1993.

On February 11, 2009, the DPH reduced sampling and testing requirements for the Town based on four consecutive quarterly monitoring periods with no detectable levels of regulated organic chemicals, no levels above MCLs for radionuclides, and no detections of any regulated pesticides, herbicides, or PCBs. New sampling and testing periods are annually, every three years, and two routine samples every three years, respectively.

This report was prepared in accordance with the requirements of the CT. Department of Public Health and the Safe Drinking Water Act. We'll be happy to answer any questions about Colchester Sewer and Water Commission and our water quality. Call us at 537-7288 Monday through Friday 8:00 a.m. to 4:30 p.m., except holidays.

Source Water Protection
Source water is untreated water from streams, rivers, lakes, or underground aquifers that is used to supply public drinking water. Preventing drinking water contamination at the source makes good public health sense, good economic sense, and good environmental sense. You can be aware of the challenges of keeping drinking water safe and take an active role in protecting drinking water. There are lots of ways that you can get involved in drinking water protection activities to prevent the contamination of the ground water source. Dispose properly of household chemicals, help clean up the watershed that is the source of your community’s water, attend public meetings to ensure that the community’s need for safe drinking water is considered in making decisions about land use. Contact us at 537-7288 for more information on source water protection, or contact the Environmental Protection Agency (EPA) at 1-800-426-4791. You may also find information on EPA’s website at www.epa.gov/safewater/protect.html.

Water Conservation
Water is a limited resource so it is vital that we all work together to maintain it and use it wisely. Here are a few tips you can follow to help conserve:

- Check for leaky toilets (put a drop of food coloring in the tank, let it sit, if the water in the bowl turns color, you have a leak). A leaking faucet or toilet can dribble away thousands of gallons of water a year.
- Consider replacing your 5-gallon per flush toilet with an efficient 1.6 gallon per flush unit. This will permanently cut your water consumption by as much as 25%
- Run only full loads in dishwashers and washing machines. Rinse all hand-washed dishes at once.
- Turn off the faucet while brushing teeth or shaving.
- Store a jug of ice water in the refrigerator for a cold drink.
- Water lawn and plants in the early morning or evening hours to avoid excess evaporation. Don’t water on windy, rainy, or very hot days.
- Water shrubs and gardens using a slow trickle around the roots. A slow soaking encourages deep root growth, reduces leaf burn or mildew and prevents water loss. Select low-water demanding plants that provide an attractive landscape without high water use.
- Apply mulch around flowers, shrubs, vegetables and trees to reduce evaporation, promote plant growth and control weeds. Shrubs and ground covers require less maintenance, less water and provide year-round greenery.
- Be sure that your hose has a shut-off nozzle. Hoses without a nozzle can spout 10 gallons more per minute.
- When washing your car, wet it quickly, turn off the spray, wash it with soapy water from the bucket, rinse quickly.
- Be sure sprinklers water only your lawn, not the pavement.
- Never use the hose to clean debris off your driveway or sidewalk. Use a broom.
- Rinse other items, such as bicycles, on the lawn to give your grass an extra drink.