**Frequently Asked Questions**

**What is the source of my water?**
Dover residents drink groundwater pumped from eight wells located throughout the City. These wells provide access to four underground aquifers of high quality water to supply our multifaceted needs.

**Why are there contaminants in my water?**
Drinking water, including bottled water, may 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. Some contaminants are naturally present in the environment, some are due to the erosion of natural deposits and some are attributable to the corrosion of plumbing systems. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency’s Safe Drinking Water Hotline (1-800-426-4791).

**How can I get involved?**
For more information about your drinking water, please contact Richard Fowler at the Community Services Department, Utilities Division at 516-6450. Currently, the Dover Utilities Commission meets in the Pierre B. Bouchard Public Works Facility, located at 271 Mast Road, on the third Monday of each month at 6:00 p.m. Meetings are open to the public.

**Do I need to take special precautions?**
Some people may be more vulnerable to contaminants in drinking water than 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* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

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. The US Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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**HEALTH EFFECTS INFORMATION**

**IN THE EVENT CONTAMINANTS EXCEEDED THE MAXIMUM CONTAMINANT LEVELS, PERTINENT HEALTH EFFECTS INFORMATION WOULD BE PROVIDED**

**SOURCE WATER ASSESSMENT REPORT**

The NH Department of Environmental Services has prepared a Source Assessment Report for the source(s) serving this community water system, assessing the sources’ vulnerability to contamination. The results of the assessment, prepared on January 7, 2003, are as follows:

<table>
<thead>
<tr>
<th>Source Information</th>
<th>Summary of Susceptibility</th>
<th>Hig.</th>
<th>Med</th>
<th>Low</th>
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</thead>
<tbody>
<tr>
<td>GPW - 1 Calderwood / Hoppers</td>
<td>1 3 8</td>
<td></td>
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<tr>
<td>GPW Cummings</td>
<td>3 5 4</td>
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<tr>
<td>GPW Hughes Well</td>
<td>2 3 7</td>
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<tr>
<td>GPW Ireland Well</td>
<td>2 6 4</td>
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<tr>
<td>GPW Campbell / Hoppers</td>
<td>1 3 8</td>
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<tr>
<td>GPW Smith Well</td>
<td>3 4 5</td>
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<tr>
<td>GPW Griffin Well</td>
<td>3 5 4</td>
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</tbody>
</table>

The complete Source Assessment Report is available for inspection at the Pierre Bouchard Public Works Facility located at 271 Mast Rd, Dover, NH. For more information, call Community Services at 516-6450 or visit NH DES’ Drinking Water Source Assessment Program web site at www.des.state.nh.us/dwspp.

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**Iron & Manganese Removal**

Iron and manganese removal is conducted at three treatment plants. Water is filtered through tanks filled with media. One facility uses “PUREFLOW” inorganic oxide, while the other facilities use green sand to remove the iron and manganese.

Volatile Organic Compounds are removed via air stripping. Air is forced through the water at the plants, which allows the VOCs to be removed.
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, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in sources 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 water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- **Organic chemical contaminants**, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban storm water runoff, and septic systems.
- **Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities.

Radon is a radioactive gas that you can’t see, taste or smell. It can move up through the ground and into a home through cracks and holes in the foundation. Radon can also get into indoor air when released from tap water from showering, washing dishes, and other household activities. It is a known human carcinogen. Breathing radon can lead to lung cancer. Drinking water containing radon may cause an increased risk of stomach cancer. Presently, the EPA is reviewing a standard for radon in water.

Methyl tertiary-butyl ether (MTBE) is a colorless, synthetically produced liquid used to increase octane and help it burn cleaner. Found in many ponds, lakes and wells in New Hampshire, MTBE has been the focus of much media attention recently. The City of Dover is included in the list of community wells showing very low levels of MTBE. Legislators are being urged to substantially cut the use of MTBE and improve source protection programs on state and federal levels.

Lead: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. This water system is responsible for high quality drinking water, but can not control the variety of materials used in your plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your cold water tap for at least 10 seconds before using water for drinking or cooking. Do not use hot water for drinking and cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

**Inorganic Contaminants**

- **Arsenic (ppb)**
  - NO: 0.0 to 1.3
  - Average: 0.6
  - MCL: 10

- **Radium (ppm)**
  - NO: 0.0 to 0.0316
  - Average: 0.012
  - MCL: 2

- **Chloride (ppm)**
  - NO: 0.34 to 0.54
  - Average: 0.27
  - MRL: IRDEL, MIRL: ND

- **Copper (ppm)**
  - NO: 0.86 @ 99% percentile
  - MCL: 1.5

**Radioactive Contaminants**

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