**Moab City Water Quality Report 2011**

We at Moab City work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

**WHAT'S INSIDE THIS REPORT?**

This Water Quality Report is designed to inform you about the quality of the water and services we work hard to deliver to you every day.

We are committed to ensuring the quality of your water. Inside this annual report, you will see the continuing efforts of Moab City to ensure a clean and reliable supply of drinking water to your tap.

**WHERE DO WE GET YOUR DRINKING WATER?**

Our water sources are ground water which the City of Moab acquires for drinking water from the Mckonkie Spring, Skakel Spring, Summerville Spring, Well #10 and Well #6. These springs and deep wells located in various locations of the city provide us with a total amount of 546,834,000 gallons of clean water.

All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or are man made. Those constituents can be microbes, organic or inorganic chemicals, or radioactive materials. All 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 the 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 at: 1-800-426-4791.

**DO YOU HAVE QUESTIONS?**

If you have questions about this report or concerning your water utility, please contact Lloyd Swenson at 435-259-7485 or visit our office at 217 East Center Street. We want our valued customers to be informed about their water utility.

**KEEPING YOUR WATER SAFE**

As you will see by the table on the following page, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water is safe at these levels.

**CONTAMINANTS**

First EPA Green Power Community in the Nation

*Moab City* 217 East Center Street Moab, UT 84532
CROSS CONNECTION CONTROL PROGRAM

MONITORING AND TESTING WHAT IS IN YOUR WATER

Moab City routinely monitors for constituents in our drinking water in accordance with the Federal and Utah State laws. The following table shows the results of our monitoring for the period of January 1st to December 31st, 2011 or the most recent data which all meet regulations.

**CONSTITUENT TABLE**

<table>
<thead>
<tr>
<th>CONSTITUENT</th>
<th>VIO. YN</th>
<th>LEVEL DETECTED</th>
<th>UNIT MEAS.</th>
<th>MCLG</th>
<th>MCL</th>
<th>SAMPLE DATE</th>
<th>LIKELY SOURCE OF CONTAMINATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Coliform Bacteria</td>
<td>N 1</td>
<td>Count</td>
<td>0</td>
<td><em>see</em></td>
<td>2011</td>
<td>Naturally present in the environment</td>
<td></td>
</tr>
<tr>
<td>Presence of coliform bacteria in 5% of monthly samples</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fecal Coliform &amp; E.Coli</td>
<td>N ND</td>
<td>Count</td>
<td>0</td>
<td><strong>see</strong></td>
<td>2011</td>
<td>Human and animal fecal waste</td>
<td></td>
</tr>
<tr>
<td>*A routine sample and repeat sample are Total Coliform positive and one is also Fecal or E.coli positive</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MICROBIOLOGICAL CONTAMINANTS**

<table>
<thead>
<tr>
<th>CONSTITUENT</th>
<th>VIO. YN</th>
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**INORGANIC CONTAMINANTS**

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**RADIOLOGICAL CONTAMINANTS**

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**LIKELY SOURCE OF CONTAMINATION**

**CONSTITUENT TABLE DEFINITIONS**

In the table to the left, you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we’ve provided the following definitions:

- **Non-Detects (ND)** - Laboratory analysis indicates that the constituent is not present.
- **Level Detected** - For water systems that have multiple sources of water, the Utah Division of Drinking Water has given water systems the option of listing the test results of the constituents in one table, instead of multiple tables. To accomplish this, the lowest and highest values detected in the multiple sources are recorded in the same space in the report table.

- **Parts per million (ppm) or Milligrams per liter (mg/l)** - One part per million corresponds to one minute in two years or a single penny in $10,000.
- **Parts per billion (ppb) or Nanograms per liter (ng/l)** - One part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.
- **Picocuries per liter (pCi/l)** - Picocuries per liter is a measure of the radioactivity in water.
- **Nephelometric Turbidity Unit (NTU)** - Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
- **Action Level (AL)** - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- **Maximum Contaminant Level (MCL)** - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- **Maximum Contaminant Level Goal (MCLG)** - The “Goal” (MCLG) is 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.
- **Date** - Because of required sampling time frames i.e. yearly, 3 years, 4 years and 6 years, sampling dates “may” seem out of date.
- **MCLs are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.**

- **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 microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).**

**CONSTITUENT TABLE**

**DISINFECTION BY-PRODUCTS**

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**ECONOMIC & WATER CONSERVATION**

**CONTACT INFORMATION**

**LEAD LEVELS**

**CROSS CONNECTION CONTROL PROGRAM**

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**CONTACT INFORMATION**

**MOAB CITY**

217 Center Street
Moab, UT 84532

Phone: 435-259-5121
Fax: 435-259-4135

Visit our website at: www.moabcity.org

First in the Nation

Designed By R.W.A.U