

## Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of 2012 or within the last five years. The presence of contaminants in your water does not necessarily indicate that the water poses a health risk. The EPA and/or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

| <u>Contaminants</u>                                 | <u>MCLG or MRDLG</u> | <u>MCL, TT, or MRDL</u> | <u>Your Water Average</u> | <u>Range</u> |             | <u>Sample Date</u> | <u>Violation</u> | <u>Typical Source</u>   |
|---|----------------------|-------------------------|---------------------------|--------------|-------------|--------------------|------------------|---|
|   |                      |                         |                           | <u>Low</u>   | <u>High</u> |                    |                  |   |
| <b>Disinfectants &amp; Disinfection By-Products</b> |                      |                         |                           |              |             |                    |                  |   |
| TTHMs [Total Trihalomethanes] (ppb)                 | NA                   | 80                      | 6.14                      | --           | --          | 2011               | No               | By-product of drinking water disinfection   |
| HAA5 [Haloacetic Acids] (ppb)                       | NA                   | 60                      | ND                        | --           | --          | 2011               | No               | By-product of drinking water disinfection   |
| Bromodichloromethane (ppb)                          | NA                   | 80                      | 1.9                       | 1.9          | 1.9         | 2012               | No               | By-product of drinking water disinfection   |
| Chloroform (ppb)                                    | NA                   | 80                      | 1.3                       | 1.3          | 1.3         | 2012               | No               | By-product of drinking water disinfection   |
| Dibromochloromethane (ppb)                          | NA                   | 80                      | 2.2                       | 2.2          | 2.2         | 2012               | No               | By-product of drinking water disinfection   |
| <b>Inorganic Contaminants</b>                       |                      |                         |                           |              |             |                    |                  |   |
| Barium (ppm)  | 2                    | 2                       | 0.0098                    | 0.0065       | 0.016       | 2011               | No               | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits  |
| Arsenic (ppm)                                       | 0                    | 0.010                   | 0.001                     | --           | 0.001       | 2008               | No               | Erosion of natural deposits   |
| Fluoride (ppm)                                      | 4                    | 4                       | 0.18                      | 0.16         | 0.20        | 2011               | No               | Erosion of natural deposits   |
| Nitrate [measured as Nitrogen] (ppm)                | 10                   | 10                      | 1.80                      | 0.31         | 3.48        | 2008/10/11         | No               | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Sodium (ppm)  | --                   | --                      | 8.46                      | 7.9          | 8.8         | 2011               | No               |   |
| <b>Synthetic Organic Contaminants</b>               |                      |                         |                           |              |             |                    |                  |   |
| Di(2-ethylhexyl) phthalate (ppb)                    | 0                    | 6                       | 0.65                      | --           | 0.65        | 2011               | No               | Discharge from rubber and/or chemical factories   |
| <b>Volatile Organic Contaminants</b>                |                      |                         |                           |              |             |                    |                  |   |
| Tetrachloroethylene (ppb)                           | 0                    | 5                       | 3.57                      | 1.40         | 4.56        | 2008/12            | No               | Discharge from factories and dry cleaners   |
| Trichloroethene (ppb)                               |                      | 5                       | 0.51                      | --           | 0.51        | 2008               | No               | Discharge from metal degreasing sites and other factories                                   |
| Ethylene Dibromide (ppb)                            | 0                    | .050                    | .045                      | .011         | .060        | 2008/11            | No               | Discharge from petroleum refineries, soil fumigant  |

Some of the above results reflect previous sampling completed on Well #6 which was not in service for the calendar year.

| <u>Contaminants</u>                          | <u>MCLG</u> | <u>AL</u> | <u>Your Water</u> | <u>Sample Date</u> | <u># Samples Exceeding AL</u> | <u>Exceed AL</u> | <u>Typical Source</u>  |
|--|-------------|-----------|-------------------|--------------------|-------------------------------|------------------|--|
| <b>Inorganic Contaminants</b>                |             |           |                   |                    |                               |                  |  |
| Copper - action level at consumer taps (ppm) | 1.3         | 1.35      | 0.047             | 2012               | 0                             | No               | Corrosion of household plumbing systems; Erosion of natural deposits |
| Lead - action level at consumer taps (ppm)   | 0           | .0155     | 0.0016            | 2012               | 0                             | No               | Corrosion of household plumbing systems; Erosion of natural deposits |

| <u>Contaminants</u>  | <u>MCLG</u>                        | <u>MCL</u> | <u>Your Water</u>              | <u>Sample Frequency</u> | <u># of Samples</u>                            | <u>Exceeds AL</u> | <u>Typical Source</u>                     |
|--|------------------------------------|------------|--------------------------------|-------------------------|--|-------------------|---|
| Total Coliform (% positive samples/month)  | 0%                                 | >1         | 0                              | Monthly                 | 10/Month                                       | No                | Naturally present in the environment      |
| <u>Contaminant</u>   | <u>Required Sampling Frequency</u> |            | <u>Number Of Samples Taken</u> |                         | <u>When All Samples Should Have Been Taken</u> |                   | <u>When Samples Were Or Will Be Taken</u> |
| Source Raw Total Coliforms   | Annually                           |            | 3                              |                         | Dec 2012                                       |                   | Jan 2013                                  |
| We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During 2012 we did not monitor or test for raw well head total coliform and therefore cannot be sure of the quality of our drinking water during that time. These samples were immediately taken in January 2013 when this came to our attention and were all non-detect. |                                    |            |                                |                         |  |                   |   |
| Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.  |                                    |            |                                |                         |  |                   |   |

| <u>Unit Descriptions</u>                    |   |
|---|---|
| <u>Term</u>                                 | <u>Definition</u>   |
| ug/L  | ug/L : Number of micrograms of substance in one liter of water  |
| ppm   | ppm: parts per million, or milligrams per liter (mg/L)  |
| ppb   | ppb: parts per billion, or micrograms per liter (µg/L)  |
| ppt   | ppt: parts per trillion, or nanograms per liter   |
| pCi/L                                       | pCi/L: picocuries per liter (a measure of radioactivity)  |
| % positive samples/month                    | % positive samples/month: Percent of samples taken monthly that were positive   |
| NA  | NA: Not applicable  |
| ND  | ND: Not detected  |
| NR  | NR: Monitoring not required, but recommended.   |
| <u>Important Drinking Water Definitions</u> |   |
| <u>Term</u>                                 | <u>Definition</u>   |
| MCLG  | MCLG: Maximum Contaminant Level Goal: 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.  |
| MCL   | MCL: Maximum Contaminant Level: 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.   |
| TT  | TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.  |
| AL  | AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.   |
| MRDLG                                       | MRDLG: Maximum residual disinfection 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 contaminants. |
| MRDL  | MRDL: 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.                              |
| MNR   | MNR: Monitored Not Regulated.   |
| MPL   | MPL: State Assigned Maximum Permissible Level.  |

### PUBLIC PARTICIPATION OPPORTUNITY

The City of Fairview invites all interested citizens to join them at City Council meetings, every first and third Wednesday of the month at 7:00 pm. These meetings are held in the Fairview City Hall located at 1300 NE Village Street. For more information, contact Devree Leymaster at (503) 674-6224.

## Lead in Drinking Water

Every three years the City samples some of our resident's water for lead and copper. In 2012, twenty-three homes in Fairview were sampled. These homes were selected due to the age of the homes (typically 1982 or earlier) and the potential for lead and copper plumbing used during construction at that time. Sampling takes place inside the homes after the water has set in the pipes for at least six hours. The Oregon Drinking Water program requires that the 90<sup>th</sup> percentile sample for lead be less than 0.0155 mg/l and copper be less than 1.35 mg/l. Fairview's 90<sup>th</sup> percentile results for 2012 were below both of these standards.

The Safe Drinking Water Act addresses lead and copper since 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 household plumbing. The City is responsible for providing high quality drinking water to your home but cannot control the variety of materials used in the residential plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or 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 at 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>. Additional information is available on the City of Fairview's web site at [www.ci.fairview.or.us](http://www.ci.fairview.or.us).



# CITY OF FAIRVIEW

## Consumer Confidence Report

# Drinking Water Quality in 2012

The City of Fairview is pleased to present the Water Quality Report for 2012. This report is required by the Federal Safe Drinking Water Act (SDWA), and provides information on the latest results of Fairview's water quality tests. We are committed to providing high quality drinking water to all our users. We ask that you take the opportunity to keep informed by reading this report. ***Este informe contiene información muy importante. Tradúscalo o hable con un amigo quien lo entienda bien.***

**In 2012, the City of Fairview took over 150 water samples for analysis. The results of these samples met all state and federal drinking water standards. The City vigilantly safeguards its water supplies and once again we are proud to report that our system did not violate any maximum contaminant level or any other water quality standard.**

### Understanding This Report

Although this report may seem overwhelming, it contains valuable information for water users. In order to alleviate confusion and/or concern as you review the supplied information, terms and units have been defined.

The word "contaminant" is used throughout this document to describe anything detected in the drinking water supply. This term is commonly used in the drinking water industry and should not necessarily invite concern, as all drinking water contains trace amounts of minerals and other substances. The purpose of this report is to provide you with an understanding and perspective enabling you to make informed decisions about your drinking water.

Units used to measure contaminants in drinking water are parts per million (ppm) or parts per billion (ppb). To gain perspective on this measurement, consider the following: one ppm is one second out of 12 days; one penny in \$10,000; or one inch in 16 miles. One ppb is one second out of 32 years; one penny in \$10,000,000; or one inch in 16,000 miles.

As you read this report, be sure and keep these figures and definitions in mind. This will assist you in interpreting what you are reading and empower you as a water customer.



### Important Health Information

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some "contaminants". The presence of these does not necessarily indicate that the water poses a health risk.

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 systems 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.

More information about contaminants and potential health effects or for information on the EPA guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791) or [www.epa.gov/safewater/](http://www.epa.gov/safewater/).

#### For More Information, Contact:

Derrick Yates – Fairview Public Works Water Quality Phone: 503-665-9320

EPA Hotline: 1-800-426-4791

Oregon Health Division: 503-731-4381



### Postal Customer