***2012 Table of Detected Contaminants For Chamberlain (EPA ID 0086)***

***Terms and abbreviations used in this table:***

*\* Maximum Contaminant Level Goal(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.*

*\* 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.*

*\* Action Level(AL): the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. For Lead and Copper, 90% of the samples must be below the AL.*

*\* Treatment Technique(TT): A required process intended to reduce the level of a contaminant in drinking water. For turbidity, 95% of samples must be less than 0.3 NTU*

***Units:***

*\*MFL: million fibers per liter \*pCi/l: picocuries per liter(a measure of radioactivity) \*ppt: parts per trillion, or nanograms per liter*

*\*mrem/year: millirems per year(a measure of radiation absorbed by the body) \*ppm: parts per million, or milligrams per liter(mg/l) \*ppq: parts per quadrillion, or picograms per liter*

*\*NTU: Nephelometric Turbidity Units \*ppb: parts per billion, or micrograms per liter(ug/l) \*pspm: positive samples per month*

| **Substance** | **90% Level** | **Test Sites > Action Level** | **Date Tested** | **Highest Level Allowed (AL)** | **Ideal Goal** | **Units** | **Major Source of Contaminant** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Copper | 0.1 | 0 | 07/13/11 | AL=1.3 | 0 | ppm | Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives. |
| Lead | 2 | 0 | 07/13/11 | AL=15 | 0 | ppb | Corrosion of household plumbing systems; erosion of natural deposits. |
|  |  |  |  |  |  |  |  |
|  |
| **Substance** | **Highest Level Detected** | **Range** | **Date Tested** | **Highest Level Allowed (MCL)** | **Ideal Goal (MCLG)** | **Units** | **Major Source of Contaminant** |
| Antimony | 0.3 |  | 05/24/11 | 6 | 6 | ppb | Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder. |
| Barium | 0.012 |  | 05/24/11 | 2 | 2 | ppm | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits. |
| Chromium | 1.7 |  | 05/24/11 | 100 | 100 | ppb | Discharge from steel and pulp mills; erosion of natural deposits. |
| Fluoride | 1.17 | 0.97 – 1.17 | 02/01/12 | 4 | 4 | ppm | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories. |
| Haloacetic Acids | 20 | ND – 20  | 08/01/12 | 60 | 0 | ppb | By-product of drinking water chlorination. |
| Selenium | 2.0 |  | 05/24/11 | 50 | 50 | ppb | Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines. |
| Total trihalomethanes | 39 | ND – 39 | 08/01/12 | 80 | 0 | ppb | By-product of drinking water chlorination. |
|  |  |  |  |  |  |  |  |
| ***2012 Information on Violations For Chamberlain (EPA ID 0086)***

| **Violation Type** | **Parameter** | **Date System Notified** | **Duration In Months** | **Health Effects Language** | **Action Taken By Your System** |
| --- | --- | --- | --- | --- | --- |
| Exceedance of Allowable Contaminant Level | Parameter 1009 Chlorine Dioxide | 3/30/12 and in writing, 05/15/12 | N/A Actual-24 Hours  |  | Back in compliance as of March 31, 2012 |
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**Please direct questions regarding this information to Mr Brad Mohror with the Chamberlain public water system at (605)234-4401.**  |