

# Big River Hills Water Co., LLC

## Lead Ban In Public Drinking Water Plumbing

### Section I. Lead Ban – General Policy

A. Purpose. The purpose of this policy is:

- 1) To ban the use of lead materials in the public drinking water system; and
- 2) To protect residents from lead contamination in the public drinking water system.

B. Application. This policy shall apply to all equipment and facilities owned and operated by Big River Hills Water Co., LLC.

C. Policy. This policy will be reasonably interpreted by the water purveyor. It is the purveyors intent to ban the use of lead based material in the construction or modification of the drinking water system.

### Section II. Definitions

A. The following definitions shall apply in the interpretation of this policy.

- 1) “Consumer” means the owner or person in control of any premises supplied by or in any manner connected to a public water system;
- 2) “Lead base materials” means any material containing lead in excess of the quantities specified in Section II. A. 3;
- 3) “Lead free” means:

A. In General.

- 1) When used with respect to solder and flux, refers to solders and flux containing not more than 0.2 percent (0.2%) lead; and
- 2) When used with respect to pipes and pipe fittings, refers to pipes and pipe fittings containing not more than 0.25 percent (0.25%) lead.

B. Calculation

The weighted average lead content of a pipe, pipe fitting, plumbing fitting, or fixture shall be calculated by using the following formula: For each wetted component, the percentage of lead in the component shall be multiplied by the ratio of the wetted surface area of that component to the total wetted surface area of the entire product to arrive at the weighted percentage of lead of the component. The weighted percentage of lead of each wetted component shall be added together, and the sum of these weighted percentages shall constitute the weighted average lead content of the product. The lead content of the material used to produce wetted components shall be used to determine compliance with Section I paragraph (A)(2). For lead content of materials that are provided as a range, the maximum content of the range shall be used.

- 4) “Public drinking water system” means any publicly or privately owner water system supplying water to the general public which is satisfactory for drinking, culinary and domestic purposes and meets the requirements of the Missouri Department of Natural Resources; and
- 5) “Water purveyor” means the owner, operator, or individual in responsible charge of a public water system.
- 6) “Exemptions”
  - (A) pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers, that are used exclusively for non-potable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption; or
  - (B) toilets, bidets, urinals, fill valves, flush-o-meter valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches in diameter or larger.

Section III. Lead Banned from Drinking Water Plumbing

- A. No water service connection shall be installed or maintained to any premises where lead base materials were used in new construction or modifications of the drinking water plumbing after January 1, 1989.

Date of Adoption: June 3, 2019  
Big River Hills Water Co., LLC