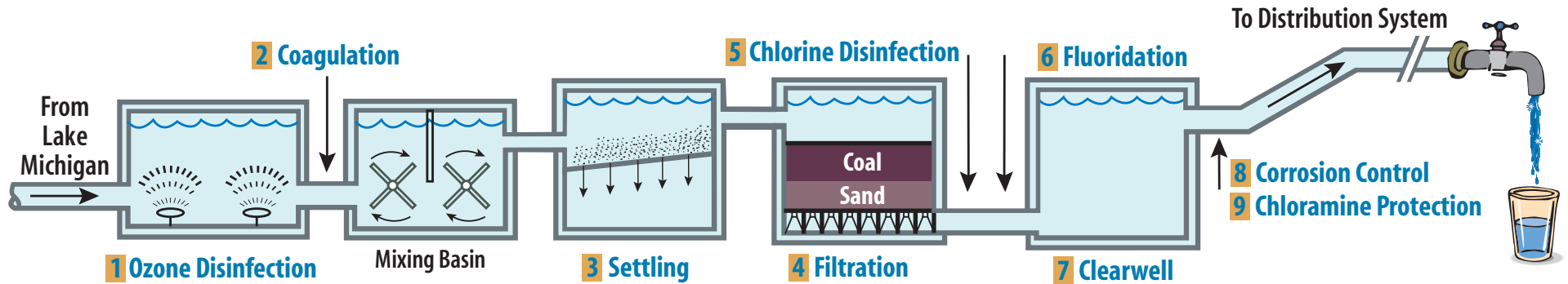


Milwaukee Water Works Drinking Water Treatment Process



1. Ozone Disinfection — Ozone gas is bubbled through the incoming lake water. Ozone destroys disease-causing microorganisms including *Giardia* and *Cryptosporidium*, controls taste and odor, and reduces chlorinated disinfection byproducts.

2. Coagulation — Very fine particles in the water adhere together to form larger particles as the coagulant alum is mixed into the water. Large particles are more effectively removed during the settling and filtering processes.

3. Settling — Settling is the process in which solid particles settle out and are removed from the water.

4. Filtration — The water is slowly filtered through 24” of anthracite coal and 12” of crushed sand to remove very small particles.

5. Chlorine Disinfection — After filters, chlorine is added as a secondary disinfectant. This provides extra protection from potentially harmful microorganisms.

6. Fluoridation — Fluoride, when administered at low levels, is proven to help prevent tooth decay.

7. Clearwell — Treated water is stored in deep underground tanks and pumped as needed through the distribution system.

8. Corrosion Control — A phosphorous compound is added to help control corrosion of pipes. This helps prevent lead and copper from leaching from plumbing into the water.

9. Chloramine Protection — Ammonia changes the chlorine to chloramine, a disinfectant that maintains bacteriological protection in the distribution system.

**Milwaukee
Water Works**

Safe, Abundant Drinking Water.

Learn more about Milwaukee Water at: www.water.mpw.net