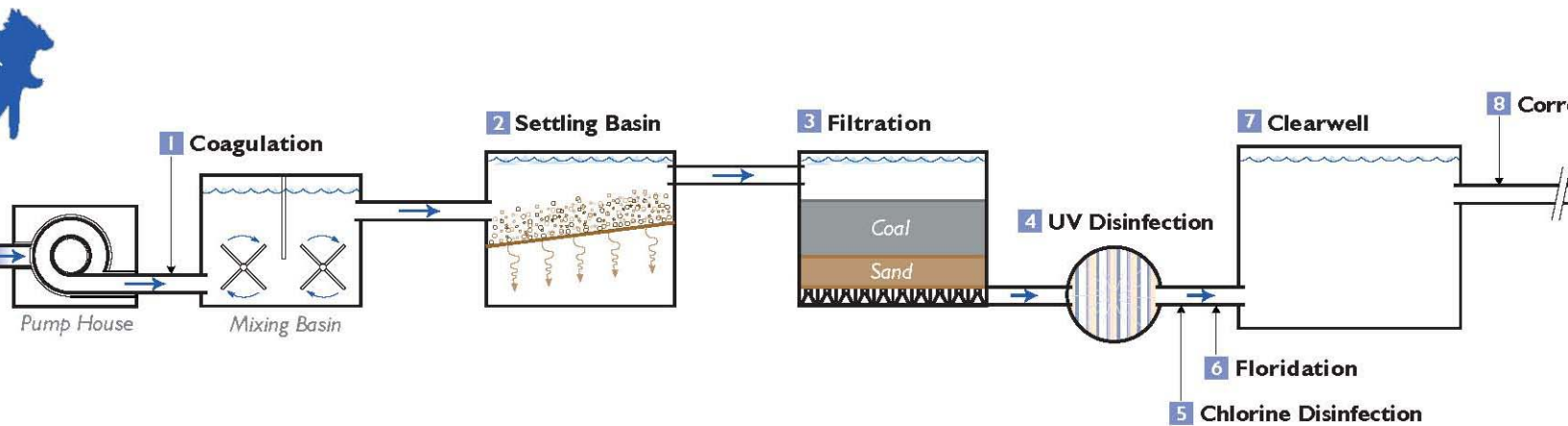


Cudahy Drinking Water Treatment Process



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

Settling - Settling is the process in which suspended particles settle out and are removed from the water.

Filtration -The water is slowly filtered through 15” of granular carbon and 12” of fine sand to remove very small particles.

4. UV Disinfection -After filtration, water passes through UV reactors where high intensity UV light inactivates pathogens such as Cryptosporidium and Giardia.

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

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

7. Corrosion Control - A phosphorus compound is added to help control corrosion of pipes. This helps prevent lead and copper from leaching from old plumbing into the water.



Learn more about Cudahy Water at: <http://www.ci.cudahy.wi.us>