

Contract Award

Drinking Water Purification for Arsenic & Fluoride Removal

Purifics has been awarded another contract to supply a **Cuf** (Continuous Ultra-Filtration) drinking water system for the removal of Arsenic & Fluoride from groundwater. This is Purifics second award for Arsenic removal in the state of Texas and is one of three **Cuf** systems currently in production for Texas.

The **Cuf** filtration process eliminates adsorption media-based solutions and their limitations. Backwash, bed fluffing, Media replacement, and Water temperature limitations of the media are all eliminated.

This DM36 **Cuf** system has a capacity of 560 gpm with a flux of 250 GFD, and it is Purifics 12th Drinking Water Plant based on the **Cuf** process. The system will be installed and operational January 2025.

Unique features of this installation and solution are:

- 75% of the Arsenic is As(III) and is removed by the **Cuf** without pre-oxidation. (No Chlorine or other oxidants are required).
- Fully automated, no direct operator involvement and no pH adjustment.
- Total Operating Cost is \$0.08/1000 gal.
- Typical Plant Layout shown below.

