

Water Re-use Project (Wastewater)

Several years ago, in approximately 2006, the City was verbally notified by DEQ that, due to temperature and flow regulations for Mill Creek, we were approaching the point where we will no longer be allowed to discharge treated effluent from our wastewater treatment plant into Mill Creek during the summer months as is our current approved practice.

At that point, the City moved forward to contract with an engineering firm to conduct a study to find the most practical option for meeting this upcoming mandate.

The engineering firm evaluated four potential options, comparing pros and cons of each option. Upon recommendation by the engineering firm, Council determined the best option for Hubbard would be the *Reclaimed Water Irrigation with Staged Mill Creek Discharge* option.

The cost to complete this project is estimated at 2 million dollars.

Project construction includes:

1. Treated Effluent Pump Station: A duplex submersible pump station with 10 horsepower pumps would be constructed in the unused chlorine contact chamber downstream of the disinfection facilities. The pumps would be designed to discharge 0.49 million gallons per day (MGD) at approximately 60-feet Total Dynamic Head (TDH).
2. Discharge Force Main: A new 6" (inch) force main would be constructed from our Wastewater Treatment Plant, approximately 5,500' (feet), to the reclaimed water irrigation site.
3. Reclaimed Water Holding Pond: A reclaimed water holding pond would be constructed on the sod farmer's property. The pond would be constructed in an existing swale and an HDPE would be installed.