

## PROJECT BACKGROUND

### Sewer Plant Spiral Screen Improvements

Staff recommends proceeding with requesting of proposals for replacing the Spiral Screen equipment for the Rio Bravo Wastewater Treatment Plant due to it being in complete disrepair and less costly for a full replacement unit.

After the Sewer Plant Lift Station the Raw Wastewater is to be screened for materials and objects that pass through the pumps but can negatively affect the treatment process at the Aeration Basins and the life of our equipment. The current screen has been out of service for approximately a year limiting our ability to meet treatment standards established by the Texas Commission on Environmental Quality. This project will consist of removing the existing nonfunctional and severely dismantled spiral screen and replacing it with a newly engineered replacement spiral screen. This unit will be the sole equipment capable of being retrofitted for the plants channels. The project includes fully refitted and cleaned channels to be installed and communicating with controls as well as all training and operation and maintenance materials.