

# Teacher Slide

The purpose of this virtual field trip is to follow up on a presentation from Tucson Water that explains where Tucson gets its water, the urban water cycle, and reclaimed water (*Watching our Water*). Prior to showing this video, it is suggested that you set up this class presentation that explains how water moves through our urban water cycle (next slide has scheduling link). The presentation ends with the possibility of using effluent to meet the future needs of our community and the use of effluent in the purple pipes to meet our current needs using non potable water (<https://www.eeexchange.org/teacherwow>).

There is an important understanding to be gained about the possible future use of reclaimed water and how it is currently being used to recharge the Santa Cruz River to support biodiversity in the Sonoran Desert. Following the VFT, it is suggested you take your students on a field trip to the Santa Cruz River to see for themselves how the water is being used to support biodiversity in the region.

Standards: 6.L2U3.11 (Use evidence to construct an argument regarding the impact of human activities on the environment and how they positively and negatively affect the competition for energy and resources in ecosystems.), 6.L2U1.13 (Develop and use models to demonstrate the interdependence of organisms and their environment including biotic and abiotic factors.)

# Watching Our Water Presentation

- To schedule Watching Our Water, go to:  
<https://www.eeexchange.org/teacherwow>
- Scroll down to the green button
- Program is scheduled through Environmental Education Exchange:  
<https://www.eeexchange.org/teachers>
- Schools need to be Tucson Water customers to have a Watching Our Water presentation

# Tres Rios Wastewater Treatment Facility

Welcome





# Let's Go Inside...

but first...

A Poll





Down the drain...



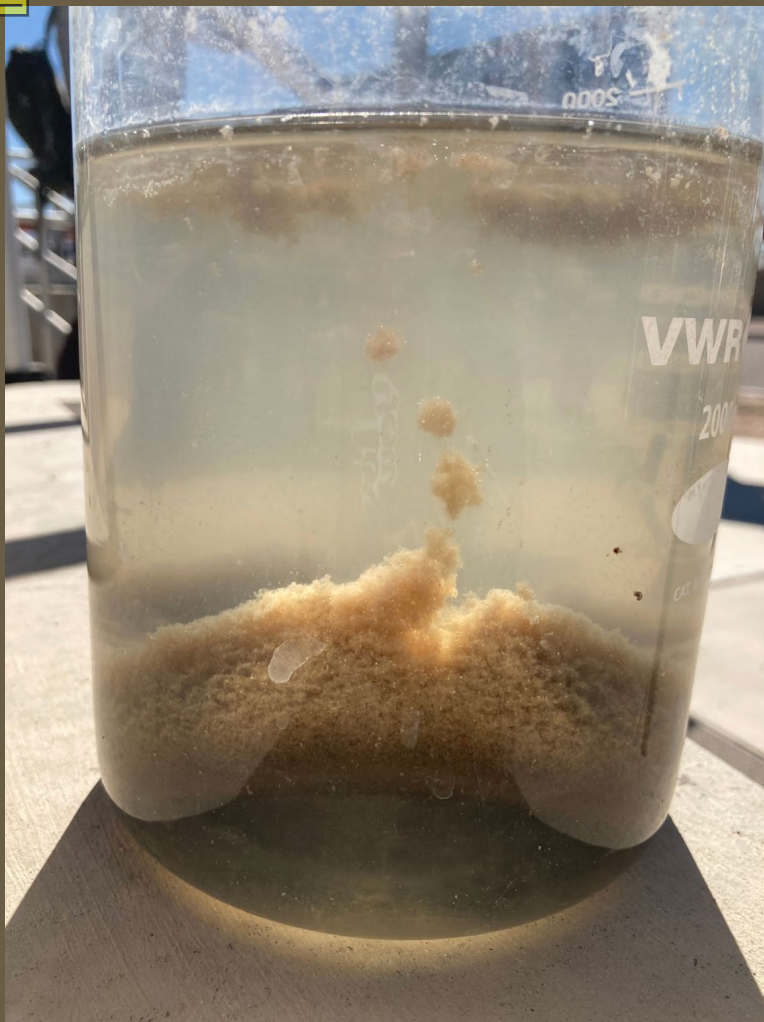




# It's POLL time!

How many gallons?





What is added to the water in the secondary separators to further break down the solids?







DIGESTED SLUDGE →

DIGESTED SLUDGE →

DIGESTED SLUDGE →

DIGESTED SLUDGE →

DIGESTED SLUDGE →

# Through the Pipes





# It's POLL time!

Conversion of Solids



← PROCESS AIR

BLOWER 001-31-04-000-001  
CONTROL PANEL  
#3 Blower



48056

**DANGER**

**WARNING**





# Through the Pipes















Time for a field trip!