

Wastewater Treatment Process



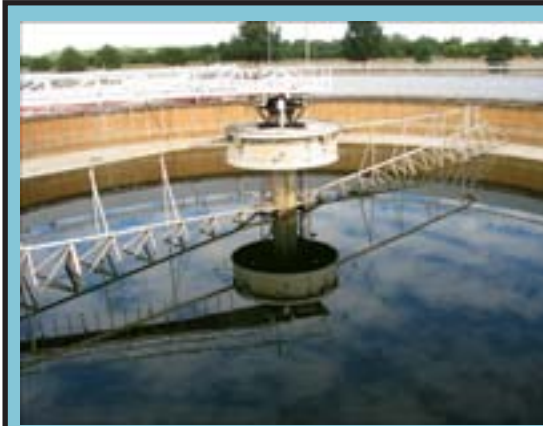
Bar Screens

Giant rakes allow water to pass, but catch trash like sticks, rags, and toys.



Grit Chamber

Sand, grit, coffee grounds, and egg shells settle out here.



Primary Clarification Tank

Sludge settles out at the bottom while grease is skimmed off the top.



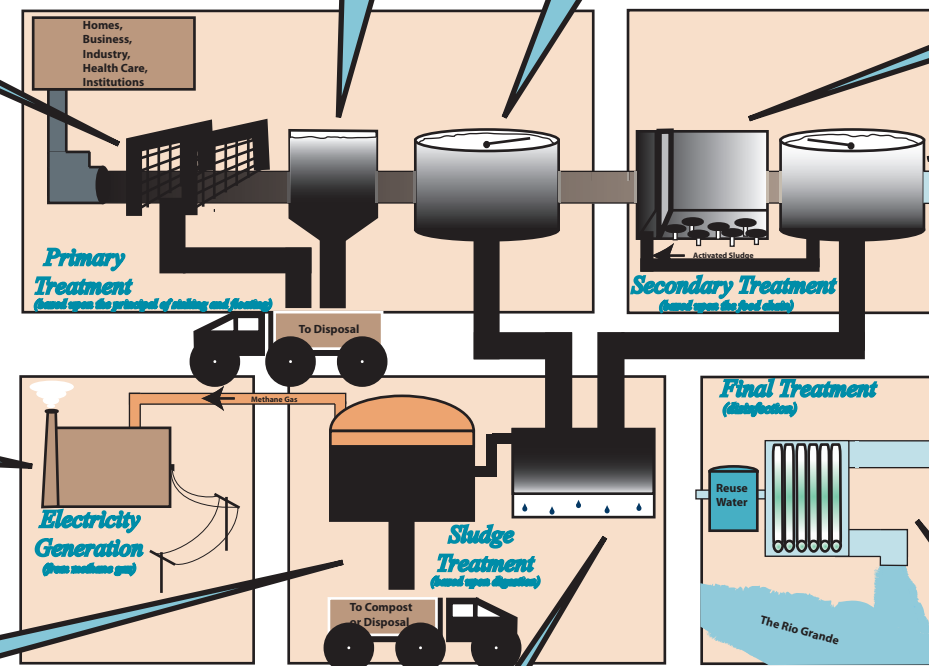
Aeration Basin

Bacteria eat the dissolved solids and denitrify ammonia into nitrogen gas.



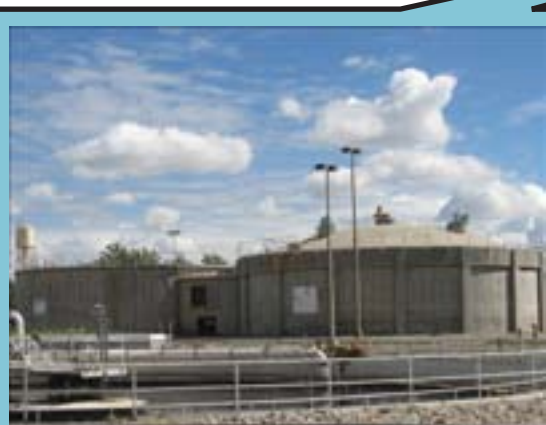
CoGen Facility (Generator)

Methane gas is burned to create electricity that runs our plant.



Secondary Clarification Tank

Fat, old microorganisms settle out and activated sludge is sent to aeration.



Digesters

Microorganisms kept at 98 degrees F produce methane gas.



Thickening

Sludge is thickened and de-watered before it goes to the digester.



River Flow

The cleaned water flows into the Rio Grande.



Disinfection

Ultraviolet light destroys genetic material in bacteria and viruses.