Influent Pump Station
Screw Pumps lift raw sewage from the sewers into the plant.

Preliminary Treatment
Bar Screens remove inorganic material such as sticks, rags, and trash. The Grit Basin removes sand and rocks.

Secondary Treatment
Naturally occurring microorganisms in the Oxidation Ditches break down organic material. Secondary Clarifiers separate solids from liquid.

Tertiary Treatment
Effluent from secondary treatment is chemically conditioned and directed through Clostridium Filters to remove particles.

UV Disinfection and Final Sampling
Two Ultraviolet (UV) Light Disinfection Channels inactivate bacteria and viruses prior to discharge. The final effluent is tested to confirm full treatment.

Discharge
Fully treated final effluent is discharged to Tule Canal in the Yolo Bypass. It eventually flows into the Sacramento River near Rio Vista.

Overflow Pond
During emergencies, water can be sent to the 43-acre Overflow Pond instead of being discharged.

Facultative Sludge Lagoons
Waste sludge from the secondary treatment process is directed to Facultative Sludge Lagoons for stabilization and drying. The waste solids are trucked off-site for disposal.