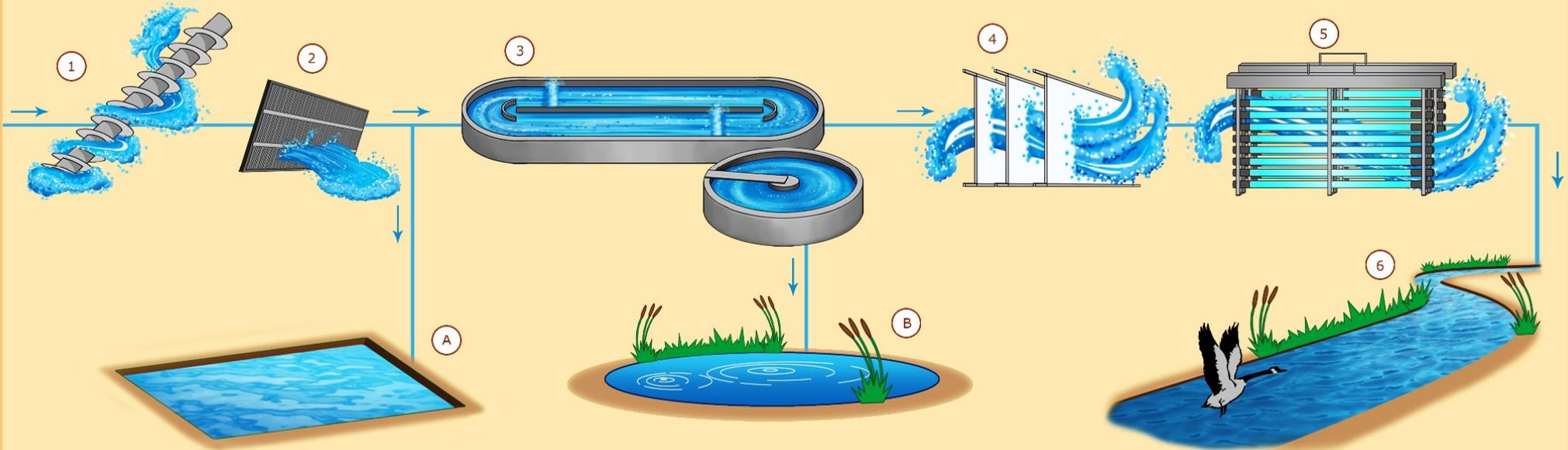




City of Woodland

Wastewater Treatment at Woodland's Water Pollution Control Facility



1

Influent Pump Station

Screw Pumps lift raw sewage from the sewers into the plant

2

Preliminary Treatment

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

3

Secondary Treatment

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

4

Tertiary Treatment

Effluent from secondary treatment is chemically conditioned and directed through Cloth Media Filters to remove particles.

5

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.

6

Discharge

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

A

Overflow Pond

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

B

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 offsite for disposal.