

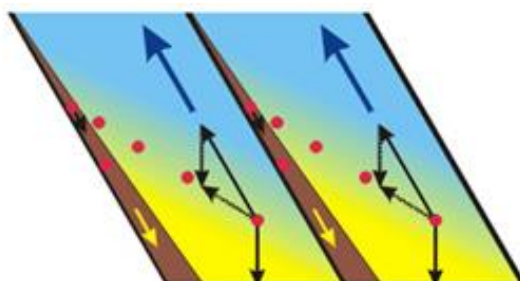
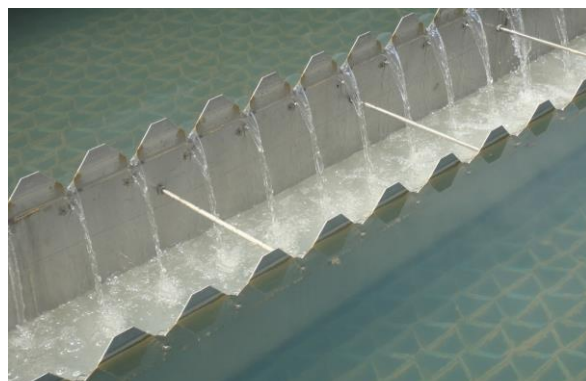
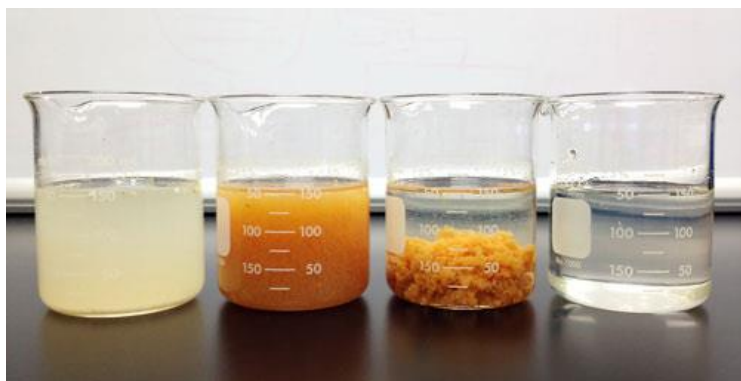
# INCLINED PLATE SETTLERS – LAMELLA SETTLERS



Inclined plate/Lamella sedimentation is a purification technology used to separate suspended solids from liquid phase. Like other conventional settlers, Lamella settler uses gravity as driven force for sedimentation process. However, the key point of this technology lies in its large effective settling area which reducing clarifier's footprint. Lamella clarifiers can be used in a range of industries as well as in the municipal wastewater treatment processes. The most common wastewater application for lamella clarifiers is as part of the tertiary treatment stage.

## ADVANTAGES

- Low capital and operation cost.
- Capable of automatic operation.
- Simple installation and operation.
- High hydraulic loading rate ( $3\text{--}5\text{m}^3/\text{m}^2\cdot\text{h}$ )
- Compact and robust.
- Low chemical demand.
- High efficiency and stability.



- direction of flow of dirty water/clean water
- direction of flow of the sludge
- vectors speed of flow and settling speed
- way of flow of a solid particle