



## (HRSCC – High Rate Solid Contact Clarifier)

### PRINCIPLES OF OPERATION

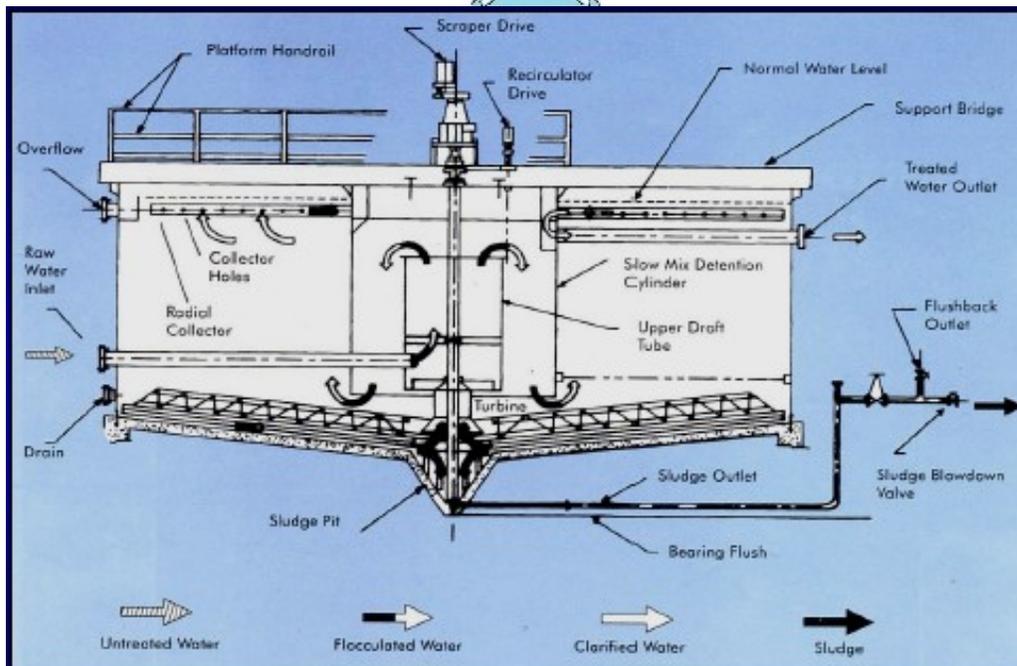
#### Coagulation/Flocculation

- Colloidal particles and suspended solids brought together by Coagulants
- Coagulated particles made heavy by flocculants
- Heavy flocs made to settle down
- Substantial concentration of previously formed flocs, recycled for 'Seeding effect' responsible for speedy flocculation

#### Hydraulic Separation

- Uses up flow design to move water into settling zone for Clarification.

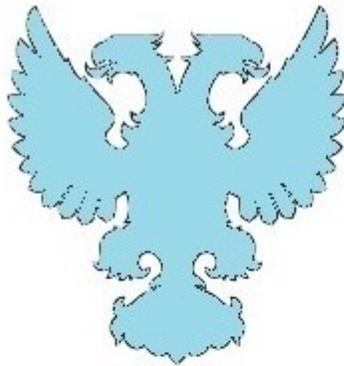
### WORKING





## APPLICATIONS

- Clarification of surface water
- Lime soda softening
- Removal of colloidal silica
- Color removal
- White water recycling
- Primary (physico-chemical) treatment of waste water
- Removal of heavy metals in the chemical and automobile industries



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