

### Applications Water Treatment

- Turbidity Removal
- Filter Backwash
- Potable Water
- Lime Softening

### Applications Wastewater Treatment

- Coal Barges
- Metal Plating
- Metal Painting
- Metal Galvanizing
- Biologic Polishing
- Wet Scrubbing
- Pulp and Paper
- Refinery Units
- Groundwater Cleanup
- Filter Backwash

### Related Components for System Completion

- Oil Water Separator
- Flash Floc Mixing
- Chemical Dosing
- De-Emulsification
- Metal Precipitation
- pH Control
- Main Control Panels
- Holding Tanks
- Sludge Pumps
- Transfer Pumps
- Bag Filters
- Multi-Media Filters
- Effluent Recording
- Platforms and Stairs

### APPLIED MECHANICAL TECHNOLOGY

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## The Clari-Clear—Inclined Plate Clarifier

The Clari-Clear high performance Inclined Plate Clarifier system is excellent for separating and removing sinking solids, metallic floc, coagulated solids, sand and grit and any other settleable material from water or wastewater.

The Clari-Clear allows the sinking particles to settle on the inclined plates and slide downward off the bottom of the plate and into the sludge chamber. The ultra smooth inclined plates are angled at a steep 55 degrees suitable to cause the solids to slide downward while the treated water flow is upwards in a laminar flow pattern. The plates are spaced at a standard 1" with optional wider spacing for high total solids content in the water. Wider plate spacing can prevent clogging and flushing out solids. The Clari-Clear Inclined Plate Clarifier has stainless steel adjustable effluent weirs to set even flow patterns thru the plates to ensure the best possible utilization of the plate area. The Clari-Clear has a bottom sludge chamber with a slow rotating stainless steel thickener to thicken sludge as it gently moves it to the sludge outlet nozzle for periodic evacuation.

### APPLIED MECHANICAL TECHNOLOGY—A WORLD CLASS SUPPLIER

Applied Mechanical Technology is a *FULL SERVICE* supplier to the water/wastewater industry. We not only design and build the core technology of our systems and equipment but we also install, optimize, startup, train operators and service them too. If you need a simple oil water separator—or a complete industrial wastewater system, Applied Mechanical Technology can help you!

### Value by Design—High Performance and Low Cost

