



Water Clarifiers

Process Engineers manufactures high capacity water clarifiers which separate fine particle solids (typically passing 200 mesh/74 micron) by adding a treatment polymer to the incoming slurry from a cyclone, screw classifier, sand classifier and/or storm water. The polymer attaches to the solids in the slurry causing them to agglomerate and gain enough mass to drop out of solution via gravity. The mud settles to the bottom of the tank at its terminal density and is raked to the center and then pumped out. As the solids settle out, a rising current of clean water is collected in an overflow weir (can be cleaner than 50 NTU depending on application). These systems recycle over 90% of the water in the system for re-use.

Process Engineers has manufactured several of the largest clarifiers in the sand processing industry - up to 100' diameter and 23,000 gpm.

Benefits for you

- Eliminates tailings ponds
- Maximizes water recovery
- Closed loop system
- Automated chemistry addition
- Rake lift standard
- Heavy duty bridge
- Rake drive and rakes overbuilt
- Underflow line flush system

Process Engineers & Equipment Corporation is a family-owned business with equipment installed in hundreds of plants in North America and abroad. We specialize in sand classification and dewatering, slurry transport, fine sand recovery, water clarification and sludge dewatering systems. These systems are designed to recover salable products while reducing operating costs by eliminating costly tailings ponds. We differentiate ourselves with unrivaled field installation and operation experience, accurate process flow diagrams and equipment sizing, and systems automation.

With manufacturing facilities in Washington, Texas, and Wisconsin, we differentiate ourselves from others by providing personal on-site service. We deliver Tier 1 quality equipment and engineered solutions in a timely manner. Please contact us anytime for your project and equipment needs.



**Leaders in Sand Processing
and Water Clarification**

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