

WATER TREATMENT SYSTEMS



Denver Mineral Engineers, Inc. custom designs and fabricates modular water treatment systems to solve a wide variety of water problems. Generally, laboratory testwork must be performed to develop the appropriate solution. Typical problems solved and treatment methods include:

Heavy Metal Removal:

- Chemical Precipitation
- Ion Exchange
- pH Adjustment
- Flocculation
- Clarification
- Filtration
- Electrolytic Precipitation
- Electrowinning

Oily Water Treatment:

- Gravity Separation
- Coalescing
- Dissolved Air Flotation
- Carbon Adsorption
- Organoclay Adsorption
- Ultrafiltration



Cyanide Destruction:

- Hydrogen Peroxide
- SO₂ - Air
- Chlorine
- Ferrous Sulfate
- Electrolytic Oxidation
- Reverse Osmosis

Potable Water:

- Chlorination
- Ozonation
- Softening
- Filtration
- Reverse Osmosis



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Ground Water:

- Ion Exchange
- Chemical Precipitation
- Reverse Osmosis
- Ultrafiltration
- Air Stripping
- Carbon Adsorption

Wash Water Recycling:

- Gravity Separation
- Coalescing
- Chemical Precipitation
- Ultrafiltration
- Filtration

Solids Removal:

- Clarification
- Coagulation
- Flocculation
- Gravity Filtration
- Pressure Filtration
- Multimedia Filtration



Sludge Treatment:

- Thickening
- Clarification
- Filtration
- Stabilization
- Drying



Water treatment systems are typically supplied as modular shop-built systems that are completely assembled, tested, and ready to run. Custom modifications to suit site specific criteria can be easily accommodated. Portable systems suitable for construction sites or temporary requirements are also available. A one GPM pilot plant is offered on a rental basis to test various process methods on site before committing to a full scale system.

