



Water & Wastewater Treatment

Monroe Environmental provides liquid clarification equipment to municipal water and wastewater treatment plants as well as industrial manufacturing and processing plants in the following fields:

**Automotive Manufacturing | Chemical Processing | Food Processing | Glass & Plastics
Mining & Metals | Oil & Gas | Pulp & Paper | Steel Processing | Utilities/Energy | Waste Management**



Circular Clarifiers

- Primary and secondary clarification at wastewater treatment plants
- Lime softening and flocculation for clean water treatment
- Sludge thickening at municipal and industrial wastewater treatment plants
- Clarifier rebuilds for existing tanks



Plate and Tube Settlers

- Increase solids settling capacity of new and existing sedimentation basins at municipal and industrial water & wastewater treatment plants
- Low cost alternative to building new settling tanks
- New, retrofit, and rebuild services
- Can include a **Monroe Sludge Collection System**



Parallel Plate Clarifiers

- Suspended and dissolved solids removal
- FOG removal and recovery (Horizontal Clarifier)
- Industrial process/wash liquids clarification
- Filter backwash clarification
- Integral flocculation and pH adjustment capabilities
- Variety of sludge thickening and removal configurations



API Oil/Water Separators

- Oil/water separation and recovery at industrial wastewater treatment plants
 - Oil refineries
 - Tar sands
 - Steel manufacturing
 - Chemical manufacturing
 - Any application removing oil from water



Oil Skimmers

- Recovery of oil and coolants from industrial process liquids and wastewater
 - Bunker "C" oils
 - Cooking oils
 - Hydraulic and lubricating oils
 - Machine and mineral seal oils
 - Other organic and synthetic fluids



Air Strippers

- Groundwater remediation at water treatment plants to remove VOCs
- Remediation of surface water for use in industrial manufacturing processes
- Removal of odorous compounds from water streams

Air/Gas Cleaning & Odor Control



Monroe Environmental provides air/gas cleaning and odor control equipment for municipal water and wastewater treatment plants as well as industrial manufacturing and processing plants in the following fields:

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Packed Bed Scrubbers

- Removal of soluble pollutants, VOCs, odors, and acid gases from municipal and industrial air streams
- Incinerator exhaust scrubbing
- Removal of H₂S, HCl, HF, SO_x, NH₃, CO₂, CH₄, formaldehyde, and many other soluble pollutants



Venturi Scrubbers

- Particulate removal from industrial air streams and process gases, including flue exhaust
 - Buffing operations
 - Cast iron machining fines
 - Explosive dusts
 - Fiberglass fines
 - Forging and foundry dust, fines, and fumes
 - Machining and grinding dusts
 - And many others



Carbon Adsorbers

- Removal of VOCs, odorous compounds, oil vapors, and gas phase hydrocarbons
 - Municipal water and wastewater treatment odors
 - Industrial emissions from paint spraying, paper coating, plastic film coating, metal foil coating, rubber coating, and printing
 - Recovery of ketones, alcohols, esters, aromatic compounds, and halogenated solvents



Dust Collectors

- Removal of airborne dust from manufacturing and processing operations
 - Bulk solids handling
 - Chemical processing
 - Dry machining
 - Grinding
 - Powder coating
 - Shot blast
 - Welding and metal cutting operations



Oil Mist Collectors

- Oil mist, smoke, and vapor removal from metal cutting fluids, metal processing coolants, processing oils, and other mist applications
 - Metal cutting and forming
 - Parts washer exhaust
 - Steel and aluminum processing
 - Rolling mills
 - Synthetic fiber processing

Monroe Environmental offers a variety of equipment configurations, tailored to meet the specific needs of each customer's application. Materials of construction can include:

- Mild and stainless steel
- FRP
- PVC
- Polyethylene
- Polypropylene
- And many others



MONROE
ENVIRONMENTAL

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Registered ISO 9001 and ISO 14001

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