ESD Waste2Water, Inc.

Models 750, 850 & 5000
Industrial Wash Water Recycle Systems

Model 750 Biological Recycle System and Pressure Washer

Equipment wash area with drive -in mud pit

Industrial Wash Water Recycle Systems. ESD Waste2Water offers a full line of industrial wash water recycle systems designed to supply between one and six pressure washers for washing industrial equipment or parts. For optimal performance, ESD Waste2Water, Inc. will design, at no charge, a wash area for your particular application. The models 750, 850 & 5000 are versatile, require low maintenance and are extremely effective for such wash applications as:

- Equipment Rental Yards
- Trucking
- Heavy Equipment Dealers
- Municipalities
- Automotive Recyclers
- Marinas
- Equipment Dealerships
- Warehouses
- Military Fleet Operations
- Food Processing Plants
- Maintenance and Repair Facilities
- Oil Field Services
- Fork Lift Dealerships
- Agriculture Equip. Dealers
- Mobile Wash Systems
- Fleet Wash Operations

Specifications	Model 750	Model 850	Model 5000
Flow Range:	0-15 GPM	0-15 GPM	0-50 GPM
Daily Treatment Capacity:	1,250 gallons	3,030 gallons	6,050 gallons
Electrical:	230 Volt 1 Phase 40 amp	230 Volt 1 Phase 40 amp	230 Volt 1 Phase 60 amp
Fresh Water Supply:	3/4" line required	3/4" line required	3/4" line required
Tank Operating Capacity	598 gallons	1,350 gallons	2,020 gallons
Biological Media:	1,152 sq ft	2,679 sq ft	4,320 sq ft
Pressure Pump: (Centrifugal)	3/4 hp	3/4 hp	1 hp
Regenerative Blower:	1.5 hp	1.5 hp	(2) 1.5 hp
Dimensions: (L x W x H)	7'6" x 4' x 4'3"	10' x 5' x 5'3"	16' x 5' x 5'3"
Net Weight:	450 lbs	1,100 lbs	1,700 lbs

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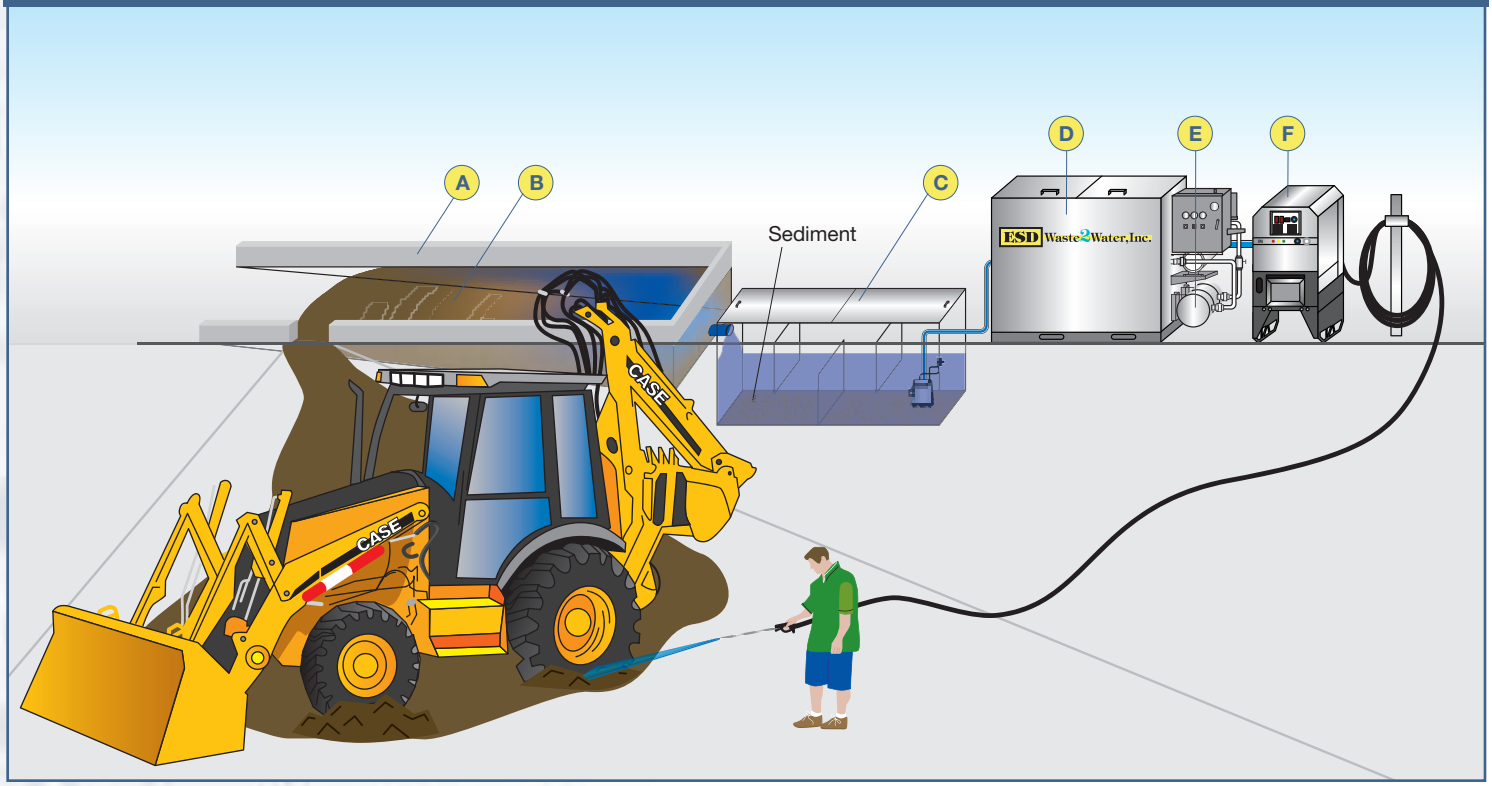
System Wash Water Flow Diagram - Sample of Heavy Equipment Wash Area



A **Mud Pit.**
Water and mud from the wash operation flows from the wash pad into the mud pit, as part of the first stage of the water treatment process.

B **Mud and Heavy Solids.**
A properly designed mud pit will drop out heavy mud and solids, and will also be easy to clean out and maintain. In the design above, mud can be removed from the mud pit with a skid-steer or a front-end loader. The mud can then be set out to dry in preparation for easy disposal.

C **In-Ground Solids Separator.**
From the mud pit, the water will flow into a Waste2Water in-ground solids separator. Water then flows through a series of baffles. Silt and fine solids will settle to the bottom to prepare the water for further treatment.

D **Biological Treatment System.**
Once the majority of the solids are settled out, water is then pumped to the Waste2Water biological treatment system for processing. The water travels over and under a series of baffles and through a mass of honeycomb biomedia covered with specially formulated fixed-film microbes. Organic contaminants, such as oils and greases, are consumed by the microbes. As part of the natural digestive process, the microbes convert the contaminants into carbon dioxide and water. Messy oil clean up is virtually eliminated.

E **Filter.**
As a final process, the treated water is polished through a 25 micron reusable pleated filter.

F **Pressure Washer.**
The treated water is then delivered with a process pump to the pressure washer.

G **Recycled Wash Water.**
Equipment is then washed by a pressure washer with a forceful stream of recycled wash water - and the process is repeated.

UL® Certified to UL-508A Standards

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