



## INDUSTRIAL WASTEWATER TREATMENT

Data Sheet

### Solving the Industrial Wastewater Problem

It is recognized that the wastewater streams must be treated before their safe discharge into the environment. EBD Water offers comprehensive biological, chemical and physical treatment methods, handling any source of wastewater.



The comprehensive approach of EBD Water provides more than a safe wastewater discharge option, in fact EBD Water designs complete integrated systems for wastewater recycling and re-use.

#### Comprehensive Solutions

EBD Water designs its systems based on three important factors: simplicity, efficiency and cost-effectiveness. As part of a comprehensive solution, EBD Water will provide complete treatability services, system engineering and project management, installation, testing and start-up, performance warranty and site service. At each step of our mission, we will remember that our customers needs are to:

Meet environmental regulations set for wastewater discharge.

Recycle certain wastewater streams.

Re-use certain wastewater streams.

Recover valuable chemicals.

Minimize capital costs.

Optimize operation.

Enjoy a Worry Free Operation.



# INDUSTRIAL WASTEWATER TREATMENT

Data Sheet

## Treatment Steps

Wastewater is first exposed to physical separation processes. Then the wastewater goes through biological treatment, followed by chemical treatment, coagulation, flocculation and clarification. The clarified water then is entered through Advanced Wastewater Treatment (AWT) Systems with the final product suitable for recycling. Sludge produced during the process is dewatered and dry sludge is directed to disposal.



## Treatment Methods

Biological Treatment is achieved through Aerobic or Anaerobic Systems. EBD Water uses systems such as bio-towers, activated sludge, sequencing batch reactors, and rotating biological contactors.

Physical and chemical treatment technologies are used for the precipitation of heavy metals, oil and water separation, and removal of suspended solids. EBD Water uses systems such as Sorption Filters, Ceramic Membranes, Precipitators, Gravity Separation Systems, Induced Air Flotation Systems and others.

Advanced Wastewater Treatment Systems are used for removal of dissolved solids and microcontaminants for the production of completely recyclable streams. Reverse Osmosis, Ultrafiltration and Ion Exchange are such proven methods.

DESALINATION PROCESSES  
DEIONIZATION PROCESSES  
MUNICIPAL WATER TREATMENT  
INDUSTRIAL WATER TREATMENT  
MUNICIPAL WASTEWATER TREATMENT  
INDUSTRIAL WASTEWATER TREATMENT  
CHEMICAL SERVICES  
TECHNICAL SERVICES