



We Clean Dirty Water

Tertiary Treatment Using A Polishing Clarifiers for Wastewater Treatment

Wastewater Depot, LLC, is a world class manufacturer of wastewater treatment systems, dedicated to improving our environmental. Our Company is internationally recognized in the treatment of wastewater to a quality effluent, which is crucial to preserve the environment in which we live.

Our long established specialty is the design, manufacture, research and development of all types and processes of wastewater treatment systems. Our focus is on systems for use by those facilities that are outside the reach of municipal waste disposal systems. Wastewater Depot continues to be dedicated to being innovators in providing new and improved technology for our industry.

Wastewater Depot, LLC, has a full range of spare and replacement parts. Check out our website at www.wastewaterdepot.com.

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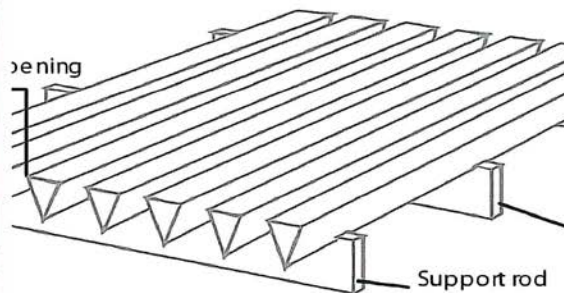
The Wastewater Depot Packaged Wastewater Treatment Systems are manufactured at the factory and shipped to the project site for installation. The Wastewater Depot system is used to remove contaminants from wastewater or sewage at the site without sending this wastewater to a municipal system. The purpose is to convert the wastewater stream into a quality effluent that can be returned to the treated water cycle with minimum impact on the environment, or directly reused. Therefore, the pollutants in the wastewater are removed or broken down by this process. Wastewater Depot LLC offers many different processes used with our packaged treatment systems. This would include physical, chemical, and biological processes both aerobic and anaerobic processes to remove contaminants and produce treated wastewater effluent to meet your discharge limits and which will be safe enough for release into our environment.



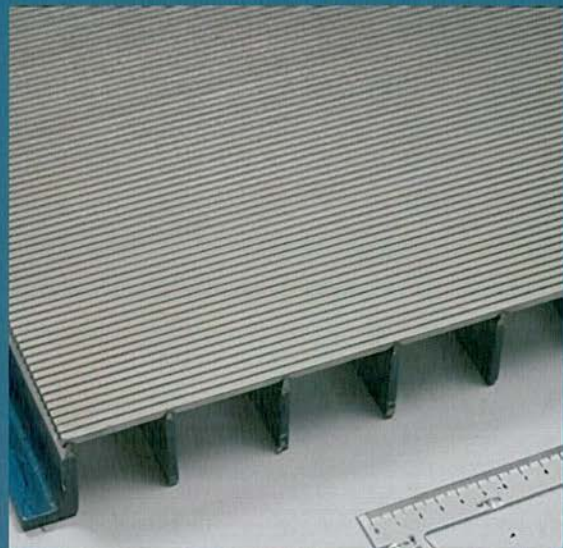
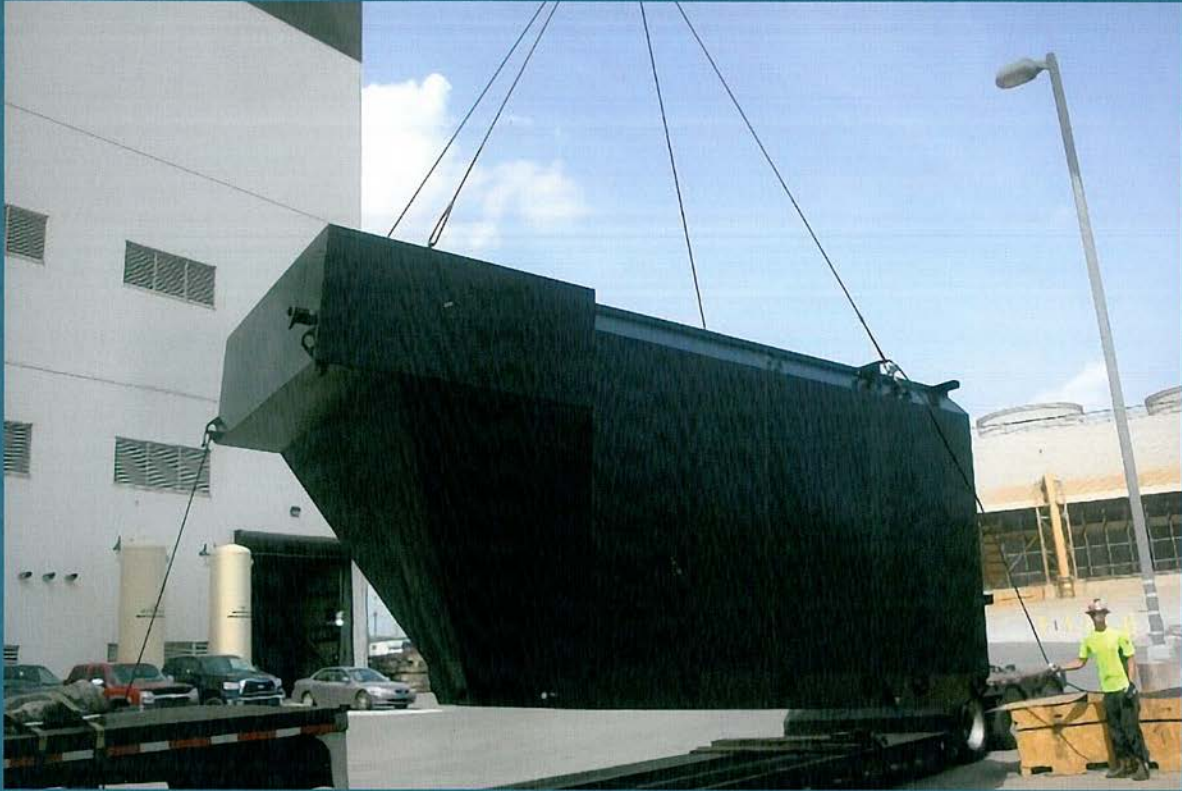
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Polishing Clarifier System Specifications

Installed within the wastewater treatment system would be a clarifier polishing system for the reduction of suspended solids. The purpose is to reduce and remove many of these solids which have been discharged from the effluent of the secondary clarifier chamber. The polishing clarifier chamber is used to control the volume of these floatable solids and return them to the head of the wastewater treatment system for further processing. The unit shall be equipped with an inlet baffle, solids collector brushes, solids inlet baffle, wedge wire screen assembly, chamber assembly complete with overflow port and effluent weir trough. In addition, a recycle pumping system shall be supplied within each unit for recycling and returning suspended solids and floating material to the flow equalization chamber. A return pump shall be installed within the hopper of the solids collection chamber. The pump shall be ½ Hp and shall be located as shown on the contract drawings. The system shall be supplied with electrical controls to operate the return pump by a timer on an automatic cycle. The contents of this chamber shall discharge to the effluent outlet of the system.



Wire screen cross-section

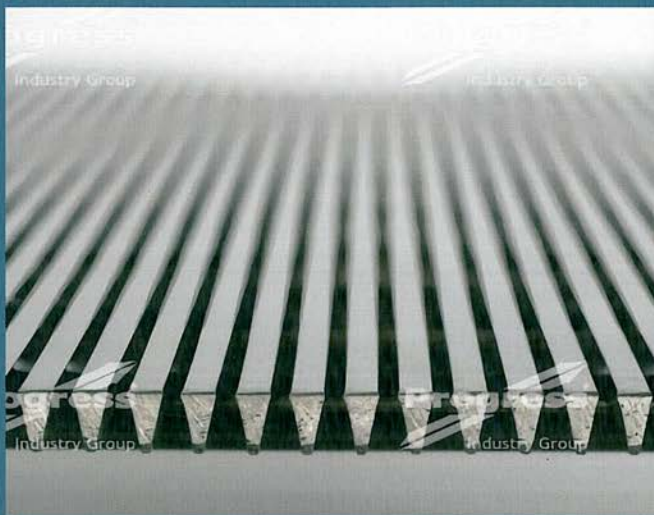


Polishing Clarifiers

Concepts of Design – In the wastewater treatment industry the quality of treatment of the waste stream will depend on the EPA local effluent limits. This will vary greatly for the application for the site. In most cases BOD5 and Suspended solids will be the main factor in determining treatment quality. Wastewater Depot, LLC has designed and built a system which will help improve the effluent quality by reducing the suspended solids being discharged from the system's clarifier. This system is called a "Polishing Clarifier".

Our Polishing clarifier system is pre-built at the factory and shipped to the project site for installation with the new or existing system. Polishing Clarifier Process Facts – The WWD polishing clarifier wastewater treatment unit is a type of biological screen process designed for the removal of suspended solids from the wastewater treatment system effluent. This process system is utilizing different elements such as floating surface solids collector, solids baffling, suspended solids screening using a wedge wire screen, automatic back washing of the screen and recycle solids back to the head of the wastewater system. On some applications the effluent dissolved oxygen (DO) has limits, therefore WWD can provide additional equipment to meet those limits, which would depend on the effluent quality required by your permit.

Our polishing clarifier equipment package includes the prefabricated steel tankage, the ancillary equipment such as stainless steel wedge wire screening units, re-cycle pumps, automatic electrical controls, service handrails, service gratings and all other items required to meet the effluent requirements.



Day	Hours
Monday	8:00am - 5:00pm
Tuesday	8:00am - 5:00pm
Wednesday	8:00am - 5:00pm
Thursday	8:00am - 5:00pm
Friday	8:00am - 5:00pm
Saturday	Closed
Sunday	Closed

Used in Many applications to improve the effluent quality of existing systems!

Wastewater Depot, LLC.
4446 State Route 132
Batavia, Ohio 45103
Phone # 513-735-2777