

Showcase 2004

What do you do with 20,000 to 100,000 gallons of waste water? Water recycling for stone fabricators: the economical and environmental choice



A medium-sized stone fabrication shop can easily require 40 to 50 gallons per minute (gpm) of water to operate its bridge saw, a low-volume edge polisher, a CNC, a few hand polishers and a hand router. If a high-volume edge polisher is introduced, the water demand can easily approach 100 gpm. Many larger volume stone shops can consume well over 200 gpm. So the questions becomes, "What does one do with 20,000 to 100,000 gallons or more of wastewater every day, after it has been used to cut, shape and polish these natural and engineered stone products?"

Possibly one could discharge this wastewater to a city sewer, or maybe to an on-site septic system. Perhaps to a retention pond or to a drainage ditch. Be aware that Federal and State laws require a permit for such industrial discharges. While some of the standards for obtaining a permit can vary from state to state, the Federal Laws do not; and the costs associated with obtaining the necessary environmental impact studies and permits can begin at \$5,000. But the costs do not end there, you will be required to monitor the discharge on an annual or semi-annual basis, adding more expense. And, to obtain a permit one must prove that the discharge does not include any regulated contaminants such as arsenic and chromium — that naturally occur in granite.

Due to complicated and expensive State and Federal environmental laws requiring permits for such discharging, you can see why many store fabricators are opting to recycle their water.

The "EnviroSystem" by **Water Treatment Technologies (WTT)** guarantees the production of "crystal clear" recycled

water that can be re-used at the spindle of any CNC, or for any polishing application (manual or automated). Owning the EnviroSystem eliminates the requirements for any industrial discharge permitting, as you are recycling 100% of your water.

The system is designed to meet the specific demands of each fabrication shop, balancing the water demands of the equipment with the solid production of the day-to-day operation. In essence, the owner of WTT's EnviroSystem enjoys the freedom of operating their own "water utility" company; and it's not difficult.

No other water recycling system can guarantee that it will produce "Crystal Clear Water" and stand behind it. You do not have to worry about the "micron mystery" when your water is "crystal clear." WTT's recycling system is currently in use supplying recycled water to virtually every major stone fabrication equipment supplier and manufacturer that sells into the U.S. market. "Crystal Clear" water produces a high-quality finish, which is needed in this competitive market. The EnviroSystem by WTT produces this level of water quality consistently, everyday. It also produces quality "gray water" for re-use at bridge saws or at the cooling ring or halo of a CNC.

It's no wonder that many of your colleagues from across the country, Canada, Mexico and Puerto Rico have chosen the water recycling system that has been designed, manufactured and installed by Water Treatment Technologies. Just look at the "Before" and "After" photos — it's proof positive of what the EnviroSystem can do for you.