

Quality control and pollution prevention

WLSSD carefully monitors its treatment process to ensure the water that's returned to the St. Louis River and the biosolids it produces are clean. The WLSSD laboratory samples water at all stages of the process, and works with industries to monitor, limit and reduce discharges of toxins and materials that would upset the biological process or would pollute the St. Louis River.

WLSSD also has an active educational program to help residents prevent pollution by avoiding the use of toxic substances in homes and by not flushing substances down the drain that can't be treated, such as medications and toxic chemicals. Preventing pollution before it happens is more effective than cleaning it up afterwards.

Scientists, often with support from WLSSD and the wastewater profession, continue to study emerging pollutants and find ways to treat those pollutants or keep them out of the environment completely. You can help, too, by not using toxic chemicals and being careful about how you dispose of waste.

With everyone's help, the St. Louis River and Lake Superior will remain clean and healthy, and an environmental and economic asset for our region.

For more information about WLSSD's wastewater treatment process or to request a copy of the "Return to the River" video, call 218-722-3336 or visit www.wlssd.com.





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Clear Answers for Clean Water

Wastewater Treatment at WLSSD

The Western Lake Superior Sanitary District (WLSSD) was created in 1971 by the Minnesota Legislature to address the problem of serious pollution in the St. Louis River, an important tributary to Lake Superior.

For decades, industries and communities had sent dirty water directly to the river with only minimal treatment, polluting the river and killing fish. With federal, state and local funding, WLSSD's modern wastewater treatment plant began operating in 1978. Within two years, the river was clean enough to support fish and wildlife again.

Today, industries and communities along the St. Louis River send wastewater to WLSSD, where it's treated before being returned to the river. WLSSD uses a natural process to clean up waste — one that relies on beneficial bacteria and other microorganisms to remove pollutants.

Although the St. Louis River is healthy again, the job isn't complete. WLSSD continues to work with residents and industries to avoid flushing pollutants that can't be treated into the sewer, and invests in research and operational improvements to find better ways to keep the St. Louis River and Lake Superior clean.

A streamlined process inspired by the river

