

## CSO RTB/RECIRCULATION PLANT UPGRADES

**STATE PROGRAM:** Michigan Department of Environment, Great Lakes, and Energy

**ASSISTANCE RECIPIENT:** Milk River Intercounty Drainage District

**ASSISTANCE AMOUNT:** \$38M



### PROJECT DESCRIPTION

Originally built in 1958, the Milk River combined sewer overflow retention treatment basin (RTB) and recirculation system required significant renovations. The facilities border residential properties along the Milk River Drain where residents use the waterway for recreational activities, such as kayaking and fishing. The Milk River Drain, which is located closer to Lake St. Clair, is also used as a marina for boaters during the summer months. In 2014, the Milk River facilities agreed to work with the Michigan Department of Environment, Great Lakes, and Energy to improve the effluent water quality, record keeping, and maintenance of the facilities. Enhancements to the recirculation facility include expansion of the building for zebra and quagga mussel control, upgrading valves and actuators, and repairing a force main under the Milk River Drain channel. The Milk River Pump Station and CSO RTB facility will receive upgraded flushing systems, storm pumps, disinfection and sampling system upgrades, and an overhaul of the buildings' electrical, light, heating, and venting systems.

As a result of this project, the Milk River facilities can continue to adequately treat the effluent entering the waterway, meet the identified National Pollutant Discharge Elimination System permit limits, and maintain water quality in the Milk River Drain to the benefit of residents and the environment. Final completion of the comprehensive upgrades is scheduled for 2021.

To read more about this case study, please visit [https://www.epa.gov/sites/default/files/2021-02/documents/2020\\_pisces\\_compendium.pdf](https://www.epa.gov/sites/default/files/2021-02/documents/2020_pisces_compendium.pdf).