



New Municipal Headworks for the Missouri River WWTP Improvements—Schedule B1 project

Significant improvements to Missouri River Wastewater Treatment Plant (MRWWTP) have been completed to improve water quality in the Missouri River. Two of the three construction projects are nearly complete. When all three projects are complete, the MRWWTP will provide treatment for high-strength industrial waste during wet weather events (Schedule A), the primary and secondary treatment capacities will be increased to 150 MGD and 64 MGD (Schedule B1), and flows above 64 MGD will be disinfected and dechlorinated prior to discharge to the Missouri River (Schedule B2). In addition to the significant improvements to water quality, the project will also reduce odor impacts to the public and achieve resources recovery/energy generation from the additional solids removed from the waste stream, and replace aging plant infrastructure. Schedule A is in operations, Schedule B1 is 98% complete, and Schedule B2 will be in operation by mid-2019.

With the maximizing of flow to the MRWWTP from upstream projects, disinfection of the discharge from Combined Sewer Overflow (CSO) 102, and separate treatment of the high-strength industrial waste, the reduction in pollutant loading to the Missouri River is approximately 50%.

In addition to the direct improvements to the MRWWTP, the Bank Stabilization project received construction notice-to-proceed in March. This project is necessary to stabilize the bank to prevent damage to the treatment plant as well as allow for construction of the treatment elements under the B2 project in this area.

Additional information on this project can be found in the Appendix.



MRWWTP was built in 1964 and treats an overall average of 25 MGD of wastewater. When the CSO Program improvements are completed, this facility will handle up to 150 MGD.