

Gladstone AWOP Summary 2023

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INFORMATION

📎 2 attachments (197 KB)

2640_Gladstone_2023_Summary.pdf; AWOP-Goals-and-Guidelines-Summary-Microbial.pdf;

You are receiving this email as part of the Michigan Department of Environment, Great Lakes and Energy's (EGLE's) participation in the Area Wide Optimization Program (AWOP). AWOP is a program designed by the United States Environmental Protection Agency (U.S. EPA), with the goal of enhancing public health protection by working with existing water supplies to optimize their operations. Thank you for your continued participation in EGLE's AWOP program!

Attached is a summary of the 2023 calendar year turbidity performance of your drinking water plant in comparison to the AWOP microbial performance goals. A copy of the AWOP goals are also attached for your reference. The Gladstone WTP achieved the Combined Filter Effluent goal of 0.10 NTU 100% of the time in 2023. The AWOP goal is to meet it 95% of the time. EGLE will continue to provide performance summaries annually.

The RSQ value is included in the summary table to help identify a possible correlation between data sets, such as an increase in raw turbidity corresponding to an increase in settled or filtered water turbidity. An optimized plant would typically have low RSQ values. For example, a low RSQ value for settled water means that settled water turbidity is generally stable, regardless of fluctuations in raw water turbidity. A RSQ value greater than 0.25 may warrant further investigation to improve pretreatment or filter optimization using tools like filter run profiling or jar testing.

AWOP is a voluntary program implemented by EGLE staff and Michigan drinking water plants. As a first step in implementation of the program, EGLE is asking plants to consider participation by adopting the settled, individual, and combined filter effluent turbidity goals, as well as report the relevant data to EGLE, if you are not already doing so. With these goals in mind, EGLE ultimately hopes that water systems will routinely monitor their individual filter turbidity in pursuit of optimization. EGLE will continue to add additional trainings to highlight the optimization goals as we work toward expanding AWOP participation. Future EGLE projects include establishment of an awards program, and adoption of the distribution system optimization goals. To learn more about participation in Michigan's program and data reporting, check out EGLE's AWOP website at the link [here](#) or contact your EGLE engineer.

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