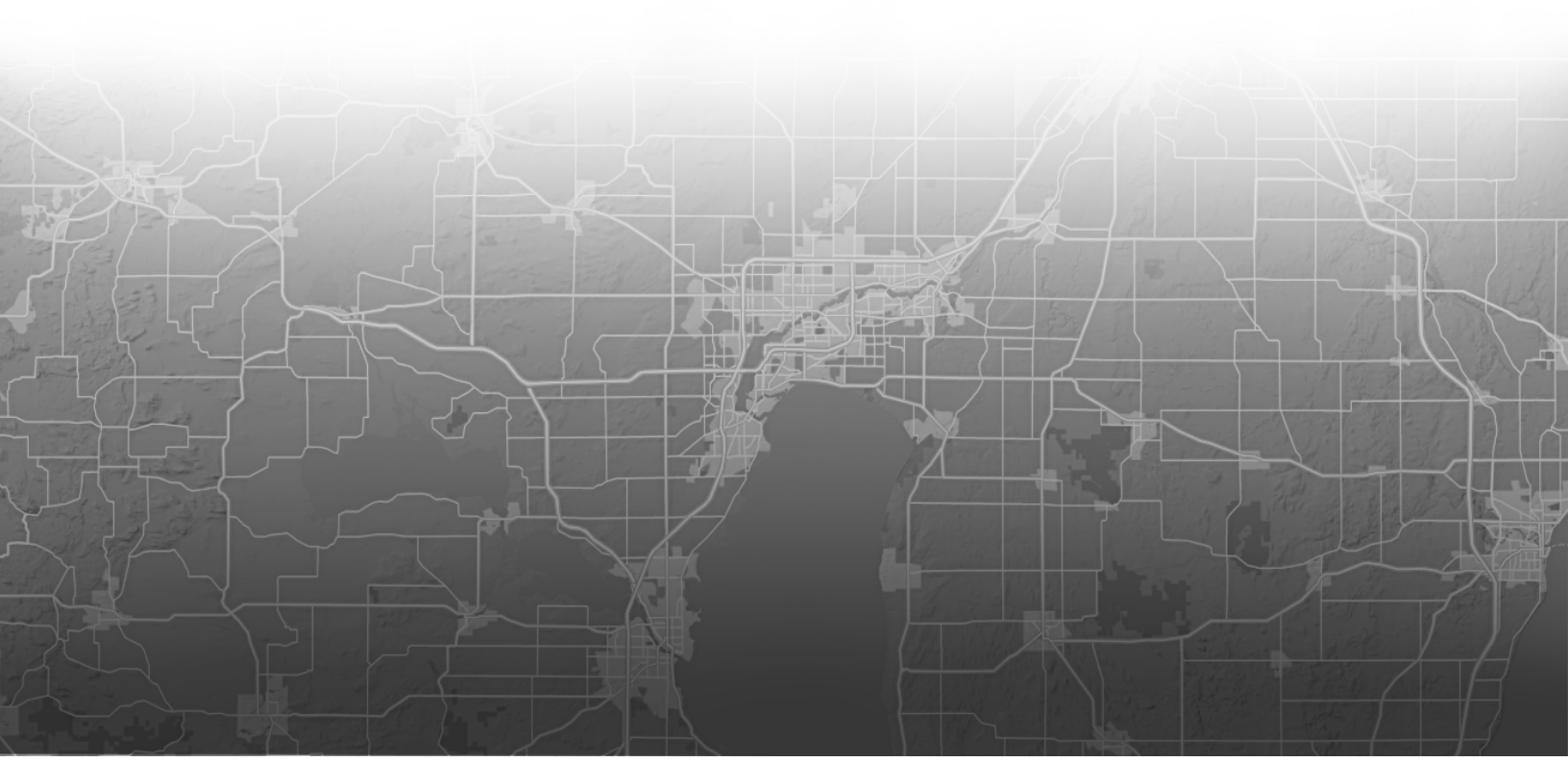
Appleton Wastewater SARS–CoV–2 Report

October 30, 2023



WISCONSIN DEPARTMENT of HEALTH SERVICES

UNIVERSITY of WISCONSIN UWMILWAUKEE

Wisconsin State Laboratory of Hygiene
UNIVERSITY OF WISCONSIN–MADISON

Samples to Date: 319

Current Concentration: Very High

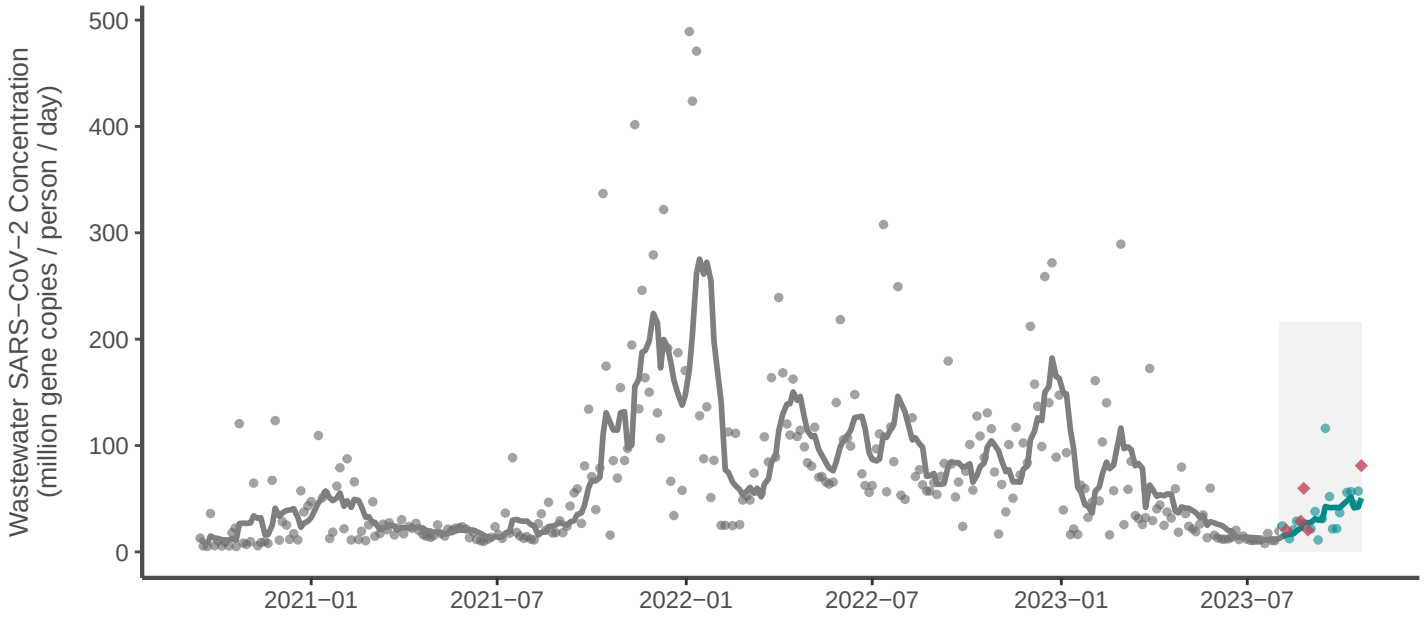
Virus levels have been adjusted (normalized) for the flow rate and number of people served by Appleton WWTF. The average of the three most recent SARS-CoV-2 measurements is 61 million gene copies per person per day, which is very high compared to the past six months of data.

Concentration categories compare the average of the three most recent data points to the last 6 months of data, and assign levels based on percentile:

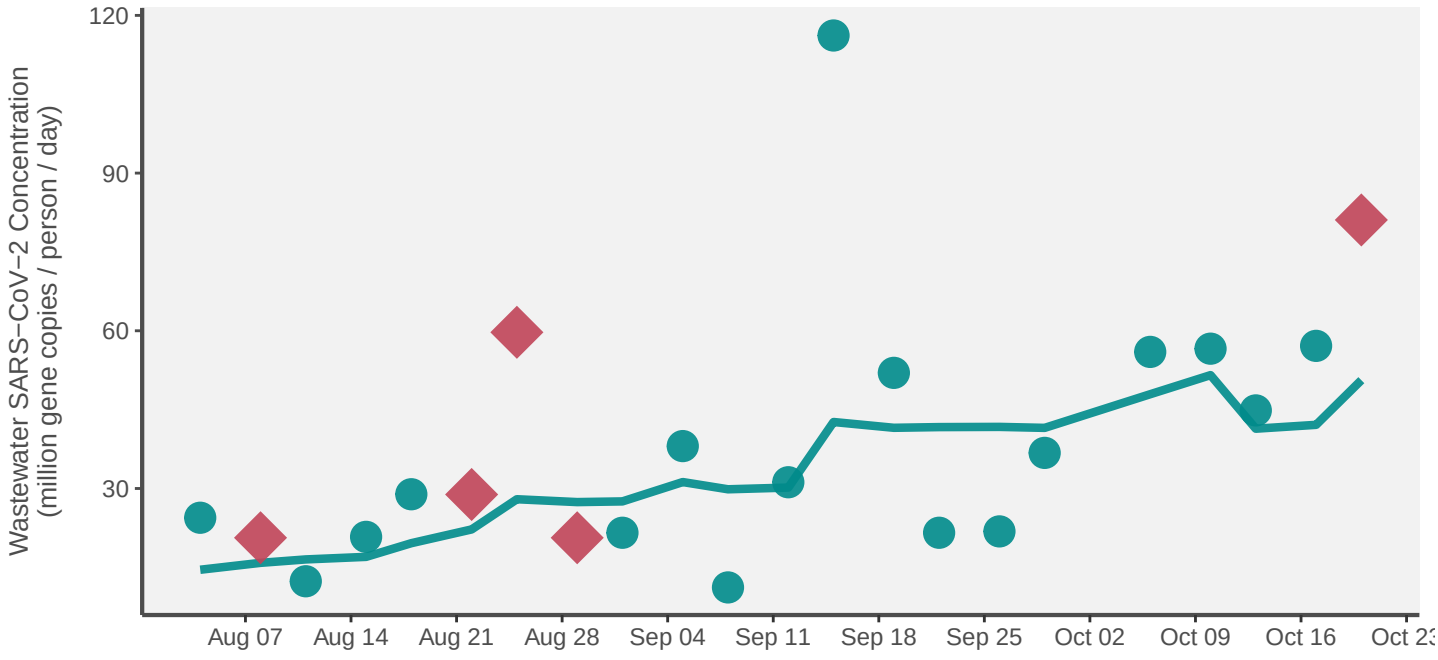
Very High	Highest 20%
High	60th-80th percentile
Moderate	40th-60th percentile
Low	20th-40th percentile
Very Low	Lowest 20%

Wastewater trends for Wisconsin can be found on our Wastewater Surveillance Dashboard.

All Time Wastewater Trend for Appleton (Sep 15, 2020–Oct 30, 2023)



90-Day Wastewater Trend for Appleton (Aug 1, 2023–Oct 30, 2023)



◆ - Significant Increase

A datapoint is defined as a **significant increase** if a linear regression for the past five measurements is significantly increasing ($p < 0.3$) and if the average of the most recent three datapoints is greater than 80% of the measurements from the last 30 days.

Comparison of Wastewater SARS-CoV-2 Concentrations Between Facilities