

Appleton Wastewater SARS-CoV-2 Report

June 8, 2023



WISCONSIN DEPARTMENT
of HEALTH SERVICES



UNIVERSITY of WISCONSIN



Wisconsin State
Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON

Samples to Date: 279

Current Concentration: Very Low

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 30 million gene copies per person per day, which is very low compared to the past six months of data.

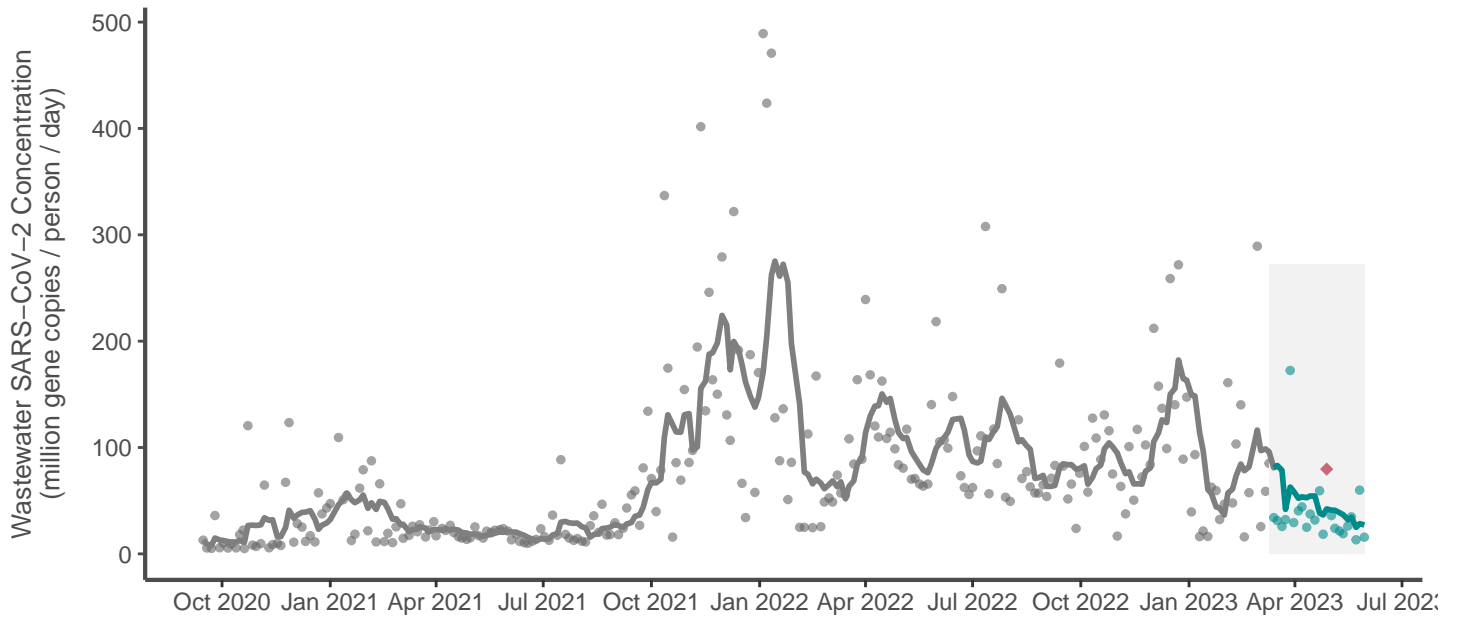
Concentration categories compare the average of the three most recent data points to the last 6 months of data, and assign levels based on percentile:

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

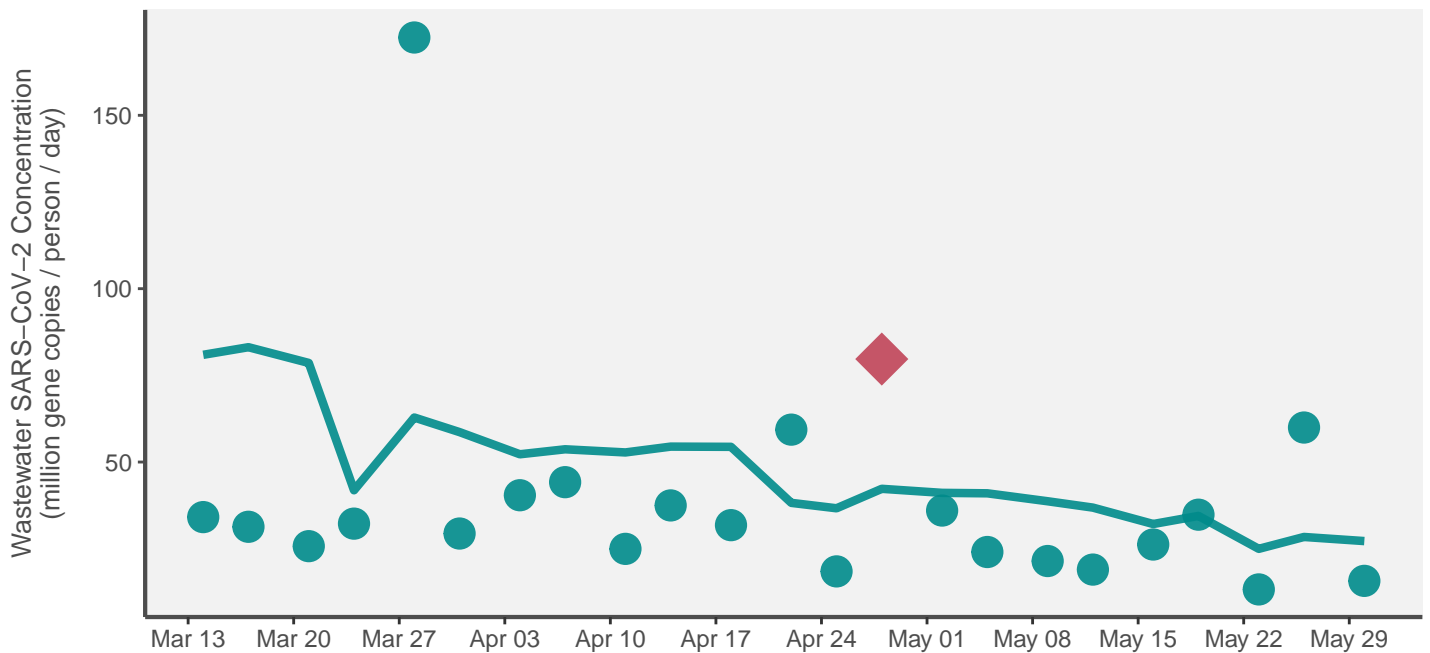
Wastewater trends for Wisconsin can be found on our [Wastewater Surveillance Dashboard](#).



All Time Wastewater Trend for Appleton (Sep 15, 2020–Jun 8, 2023)



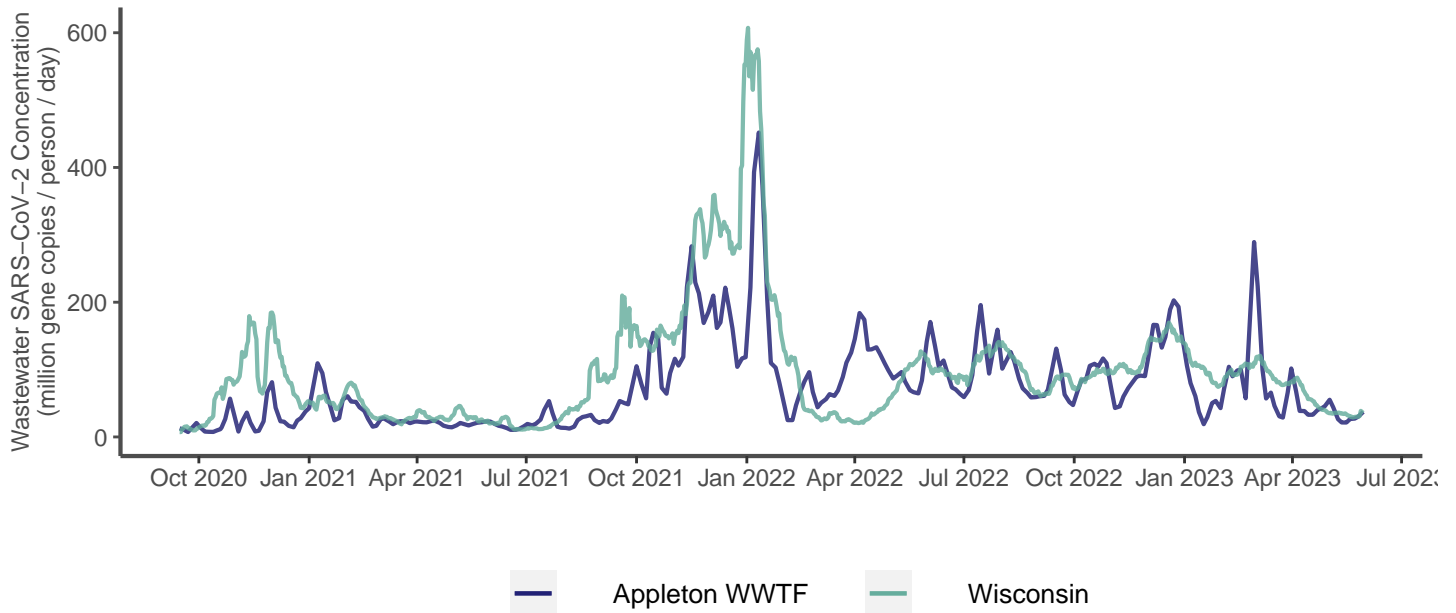
90-Day Wastewater Trend for Appleton (Mar 10, 2023–Jun 8, 2023)



◆ - Significant Increase

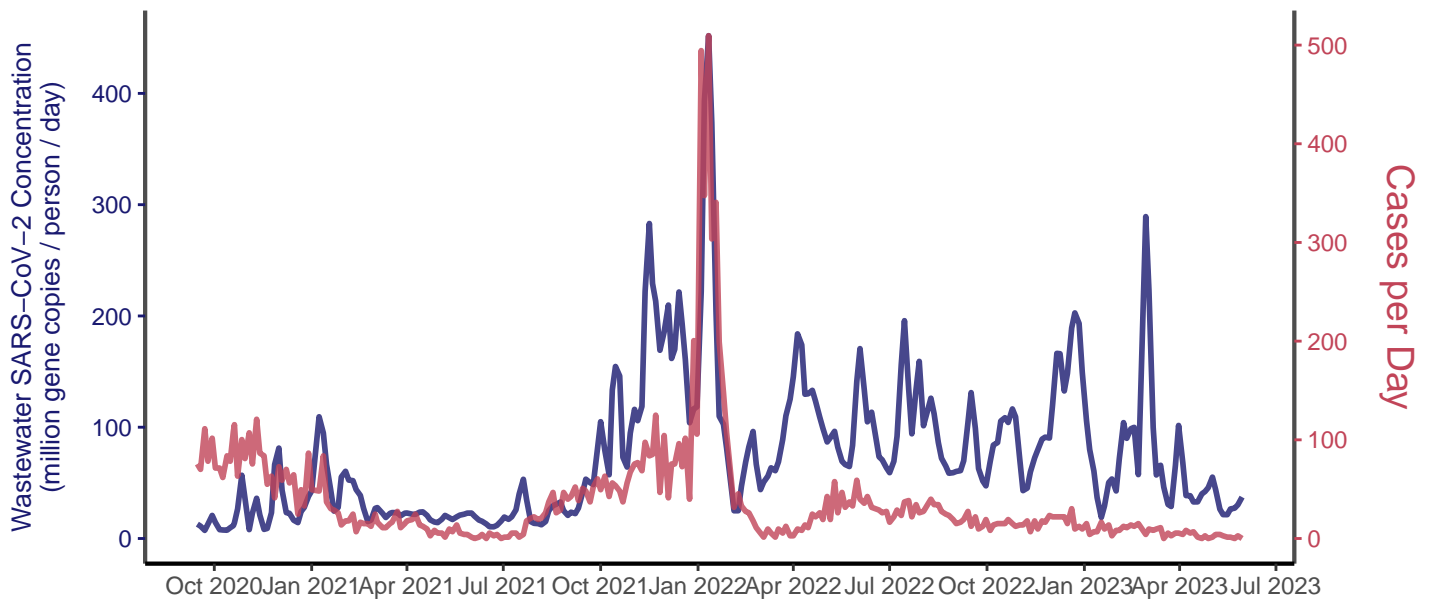
A datapoint is defined as a **significant increase** if a linear regression for the past five measurements is significantly increasing ($p < 0.3$) and if the average of the most recent three datapoints is greater than 80% of the measurements from the last 30 days.

Comparison of Appleton Wastewater Trends with Statewide Average



The statewide average is based on the 7-day rolling average SARS-CoV-2 concentration for all participating wastewater treatment facilities combined.

Comparison Between Appleton SARS-CoV-2 Concentrations and COVID-19 Cases



The number of cases is based on the 7-day rolling average number of cases in the location served by Appleton WWTF.

Comparison of Wastewater SARS-CoV-2 Concentrations Between Facilities

