

Appleton Wastewater SARS-CoV-2 Report

March 2, 2023



WISCONSIN DEPARTMENT
of HEALTH SERVICES



UNIVERSITY of WISCONSIN



Wisconsin State
Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON

Samples to Date: 252

Current Concentration: 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 71 million gene copies per person per day, which is low compared to the past six months of data.

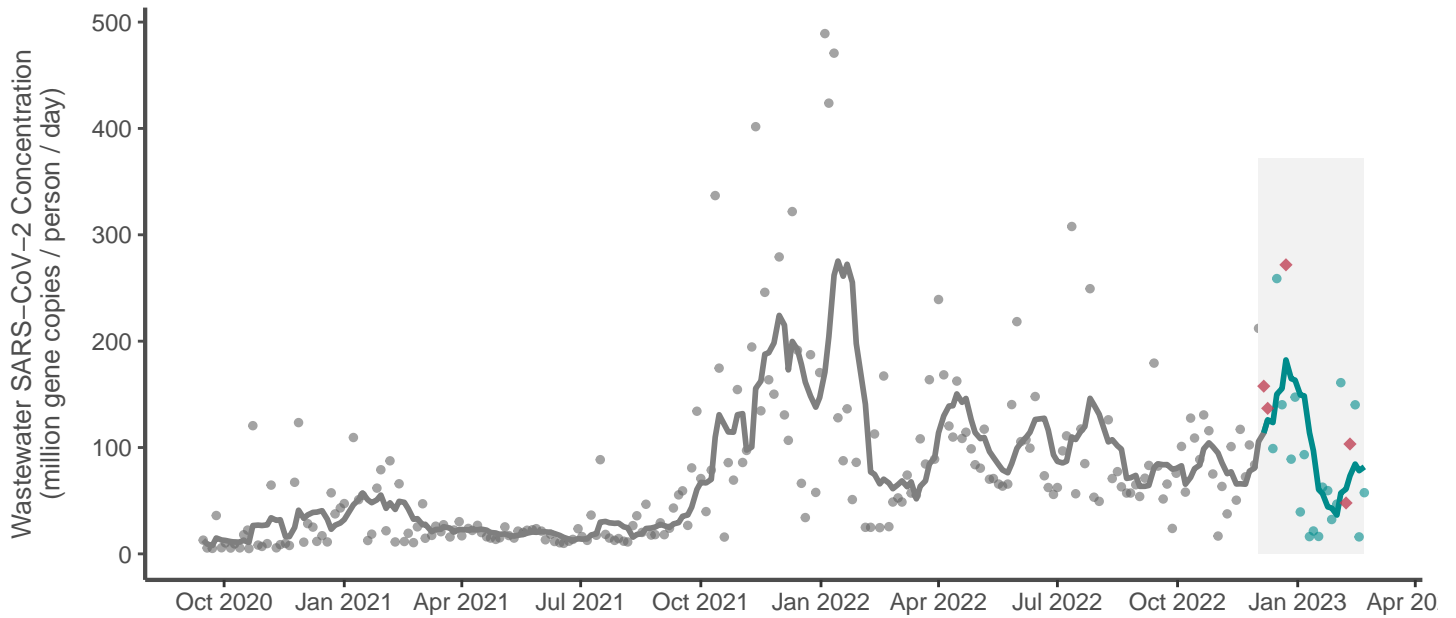
Concentration categories compare the average of the three most recent data points to the last 6 months of data, and assign levels based on percentile:

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

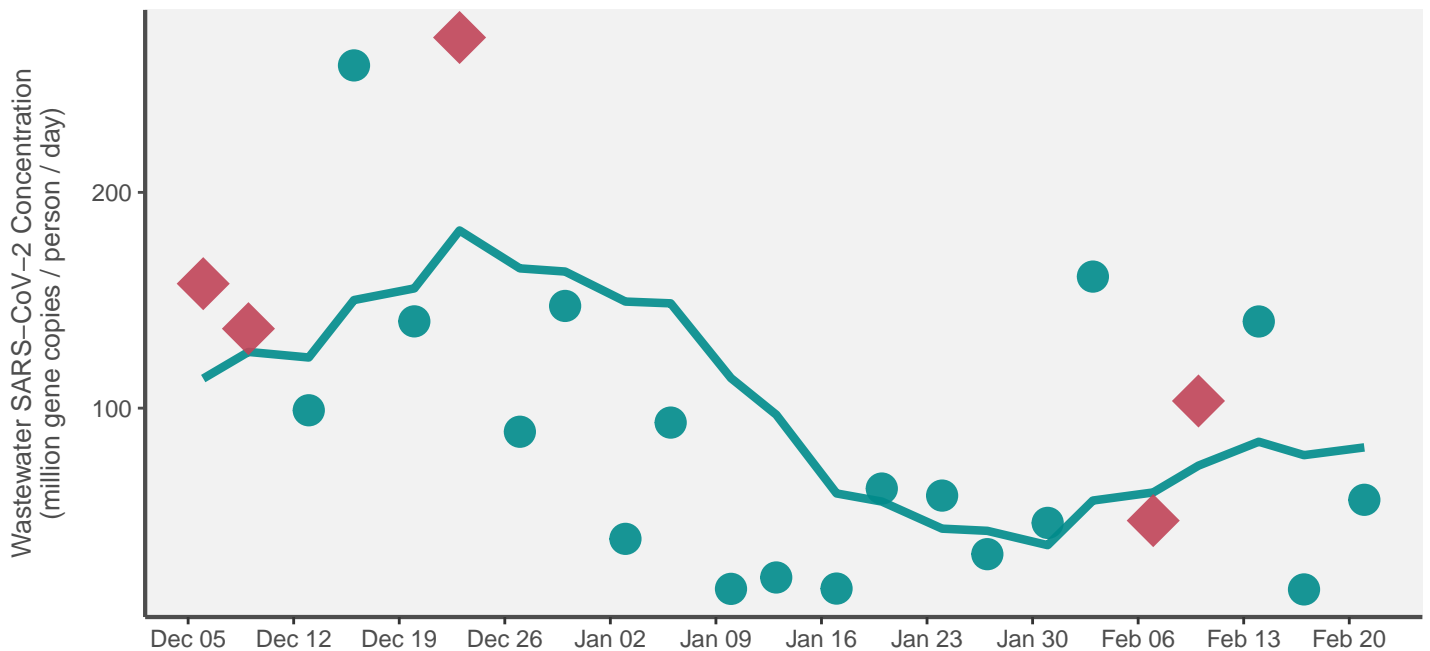
Wastewater trends for Wisconsin can be found on our [Wastewater Surveillance Dashboard](#).



All Time Wastewater Trend for Appleton (Sep 15, 2020–Mar 2, 2023)



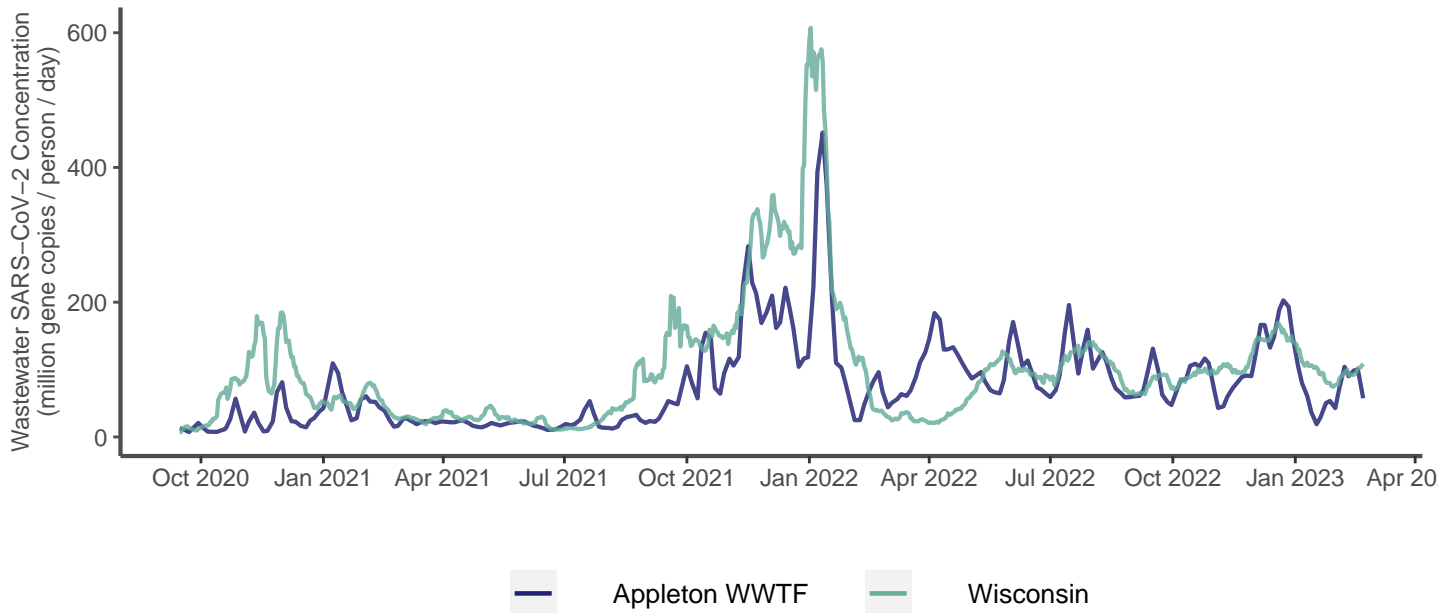
90-Day Wastewater Trend for Appleton (Dec 2, 2022–Mar 2, 2023)



◆ - Significant Increase

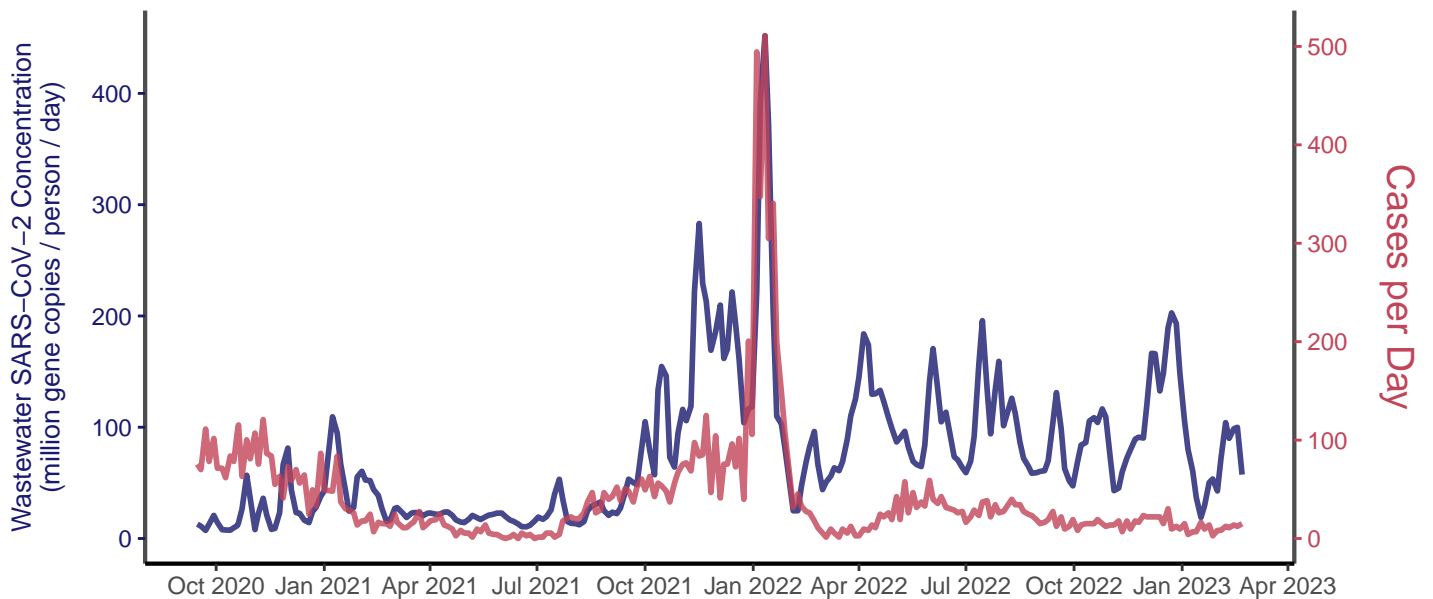
A datapoint is defined as a **significant increase** if a linear regression for the past five measurements is significantly increasing ($p < 0.3$) and if the average of the most recent three datapoints is greater than 80% of the measurements from the last 30 days.

Comparison of Appleton Wastewater Trends with Statewide Average



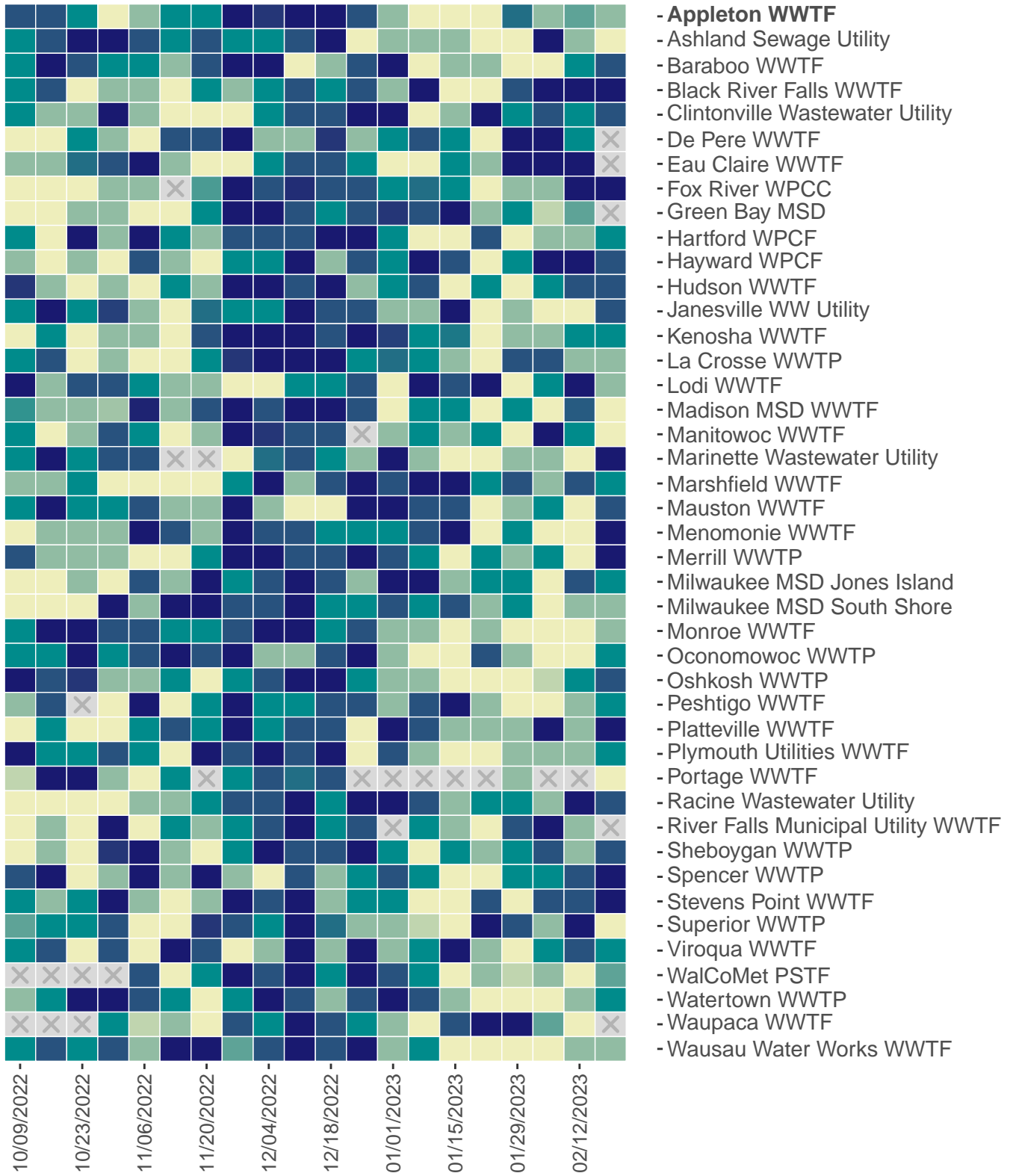
The statewide average is based on the 7-day rolling average SARS-CoV-2 concentration for all participating wastewater treatment facilities combined.

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



- Appleton WWTF
- Ashland Sewage Utility
- Baraboo WWTF
- Black River Falls WWTF
- Clintonville Wastewater Utility
- De Pere WWTF
- Eau Claire WWTF
- Fox River WPCF
- Green Bay MSD
- Hartford WPCF
- Hayward WPCF
- Hudson WWTF
- Janesville WW Utility
- Kenosha WWTF
- La Crosse WWTP
- Lodi WWTF
- Madison MSD WWTF
- Manitowoc WWTF
- Marinette Wastewater Utility
- Marshfield WWTF
- Mauston WWTF
- Menomonie WWTF
- Merrill WWTP
- Milwaukee MSD Jones Island
- Milwaukee MSD South Shore
- Monroe WWTF
- Oconomowoc WWTP
- Oshkosh WWTP
- Peshtigo WWTF
- Platteville WWTF
- Plymouth Utilities WWTF
- Portage WWTF
- Racine Wastewater Utility
- River Falls Municipal Utility WWTF
- Sheboygan WWTP
- Spencer WWTP
- Stevens Point WWTF
- Superior WWTP
- Viroqua WWTF
- WalCoMet PSTF
- Watertown WWTP
- Waupaca WWTF
- Wausau Water Works WWTF

