

# Appleton Wastewater SARS-CoV-2 Report

July 28, 2023



WISCONSIN DEPARTMENT  
of HEALTH SERVICES



UNIVERSITY of WISCONSIN



Wisconsin State  
Laboratory of Hygiene  
UNIVERSITY OF WISCONSIN-MADISON

**Samples to Date: 292**

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

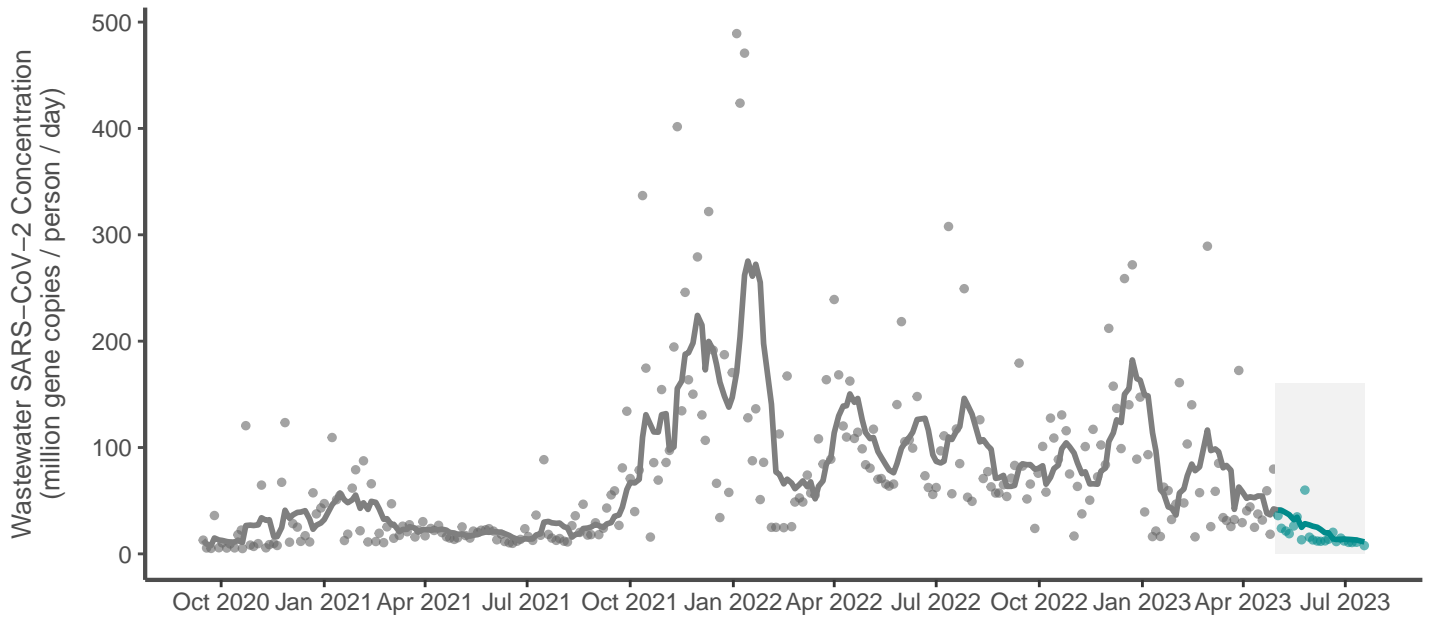
**Concentration categories compare the average of the three most recent data points to the last 6 months of data, and assign levels based on percentile:**

<b>Very High</b>	Highest 20%
<b>High</b>	60th-80th percentile
<b>Moderate</b>	40th-60th percentile
<b>Low</b>	20th-40th percentile
<b>Very Low</b>	Lowest 20%

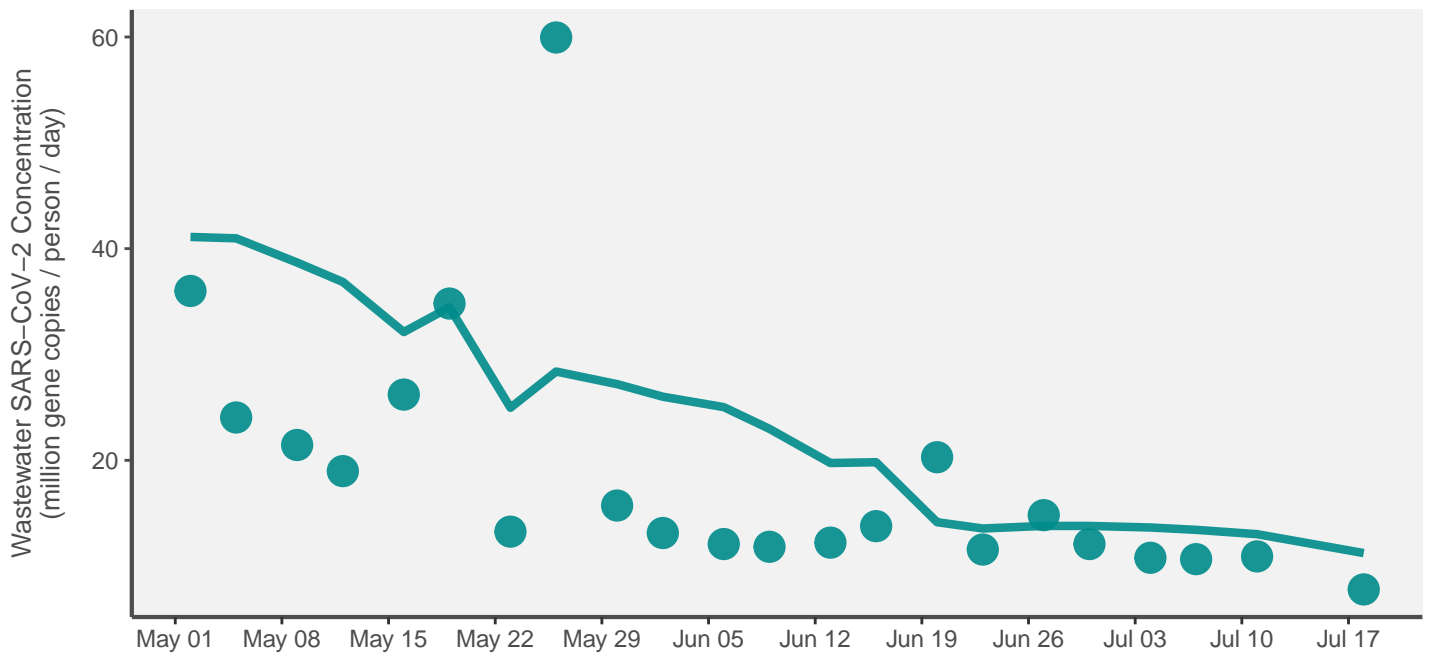
**Wastewater trends for Wisconsin can be found on our [Wastewater Surveillance Dashboard](#).**



## All Time Wastewater Trend for Appleton (Sep 15, 2020–Jul 28, 2023)



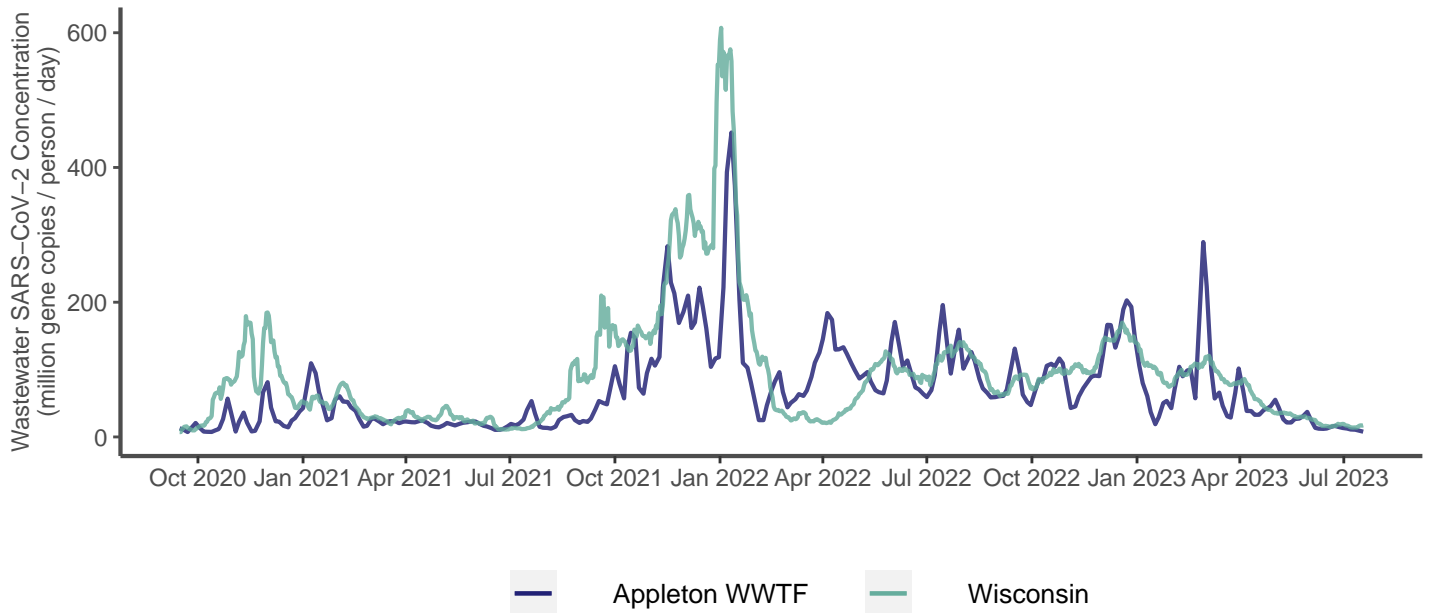
## 90-Day Wastewater Trend for Appleton (Apr 29, 2023–Jul 28, 2023)



◆ - Significant Increase

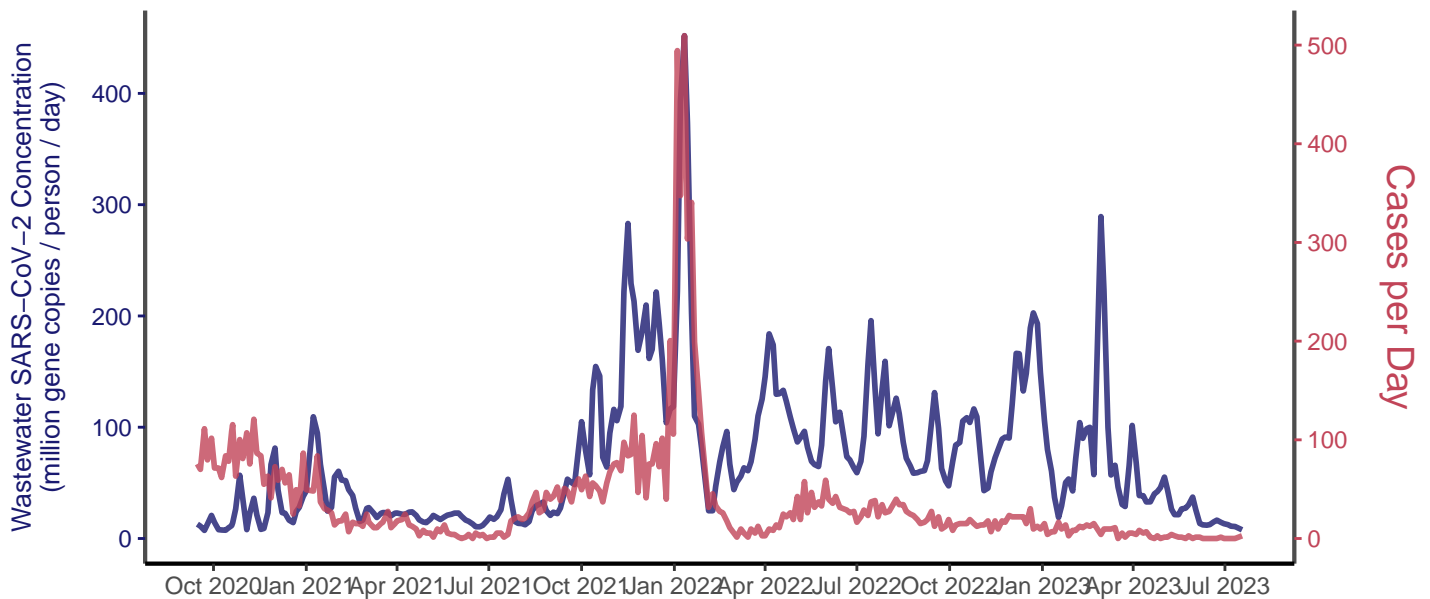
A datapoint is defined as a **significant increase** if a linear regression for the past five measurements is significantly increasing ( $p < 0.3$ ) and if the average of the most recent three datapoints is greater than 80% of the measurements from the last 30 days.

## Comparison of Appleton Wastewater Trends with Statewide Average



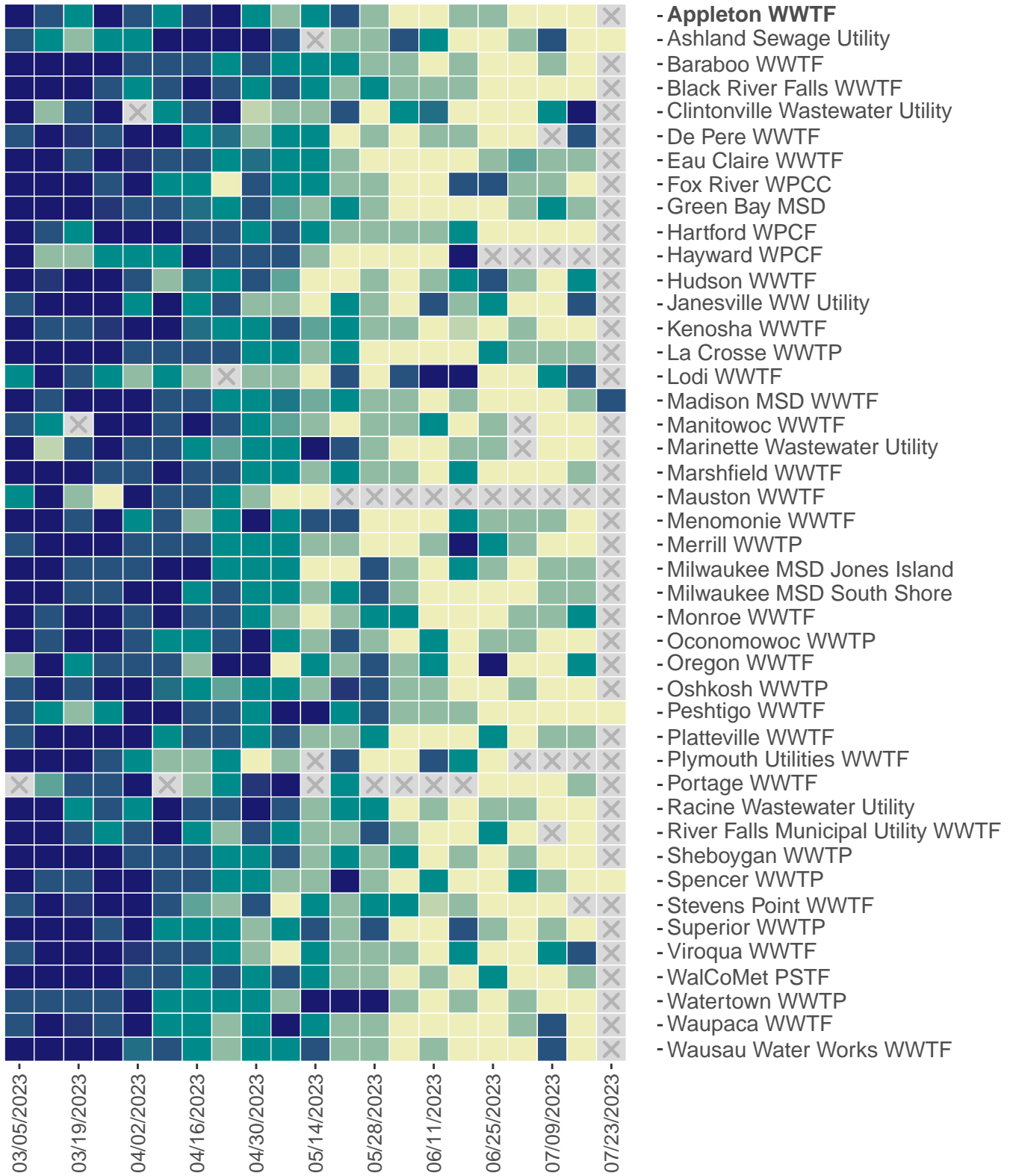
The statewide average is based on the 7-day rolling average SARS-CoV-2 concentration for all participating wastewater treatment facilities combined.

## 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 WPCCF
- Green Bay MSD
- Hartford WPCCF
- Hayward WPCCF
- 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
- Oregon WWTF
- 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

