

# Appleton Wastewater SARS-CoV-2 Report

December 8, 2022



WISCONSIN DEPARTMENT  
of HEALTH SERVICES



UNIVERSITY of WISCONSIN



Wisconsin State  
Laboratory of Hygiene  
UNIVERSITY OF WISCONSIN-MADISON

**Samples to Date: 228**

**Current Concentration: Moderate**

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 86 million gene copies per person per day, which is moderate 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%

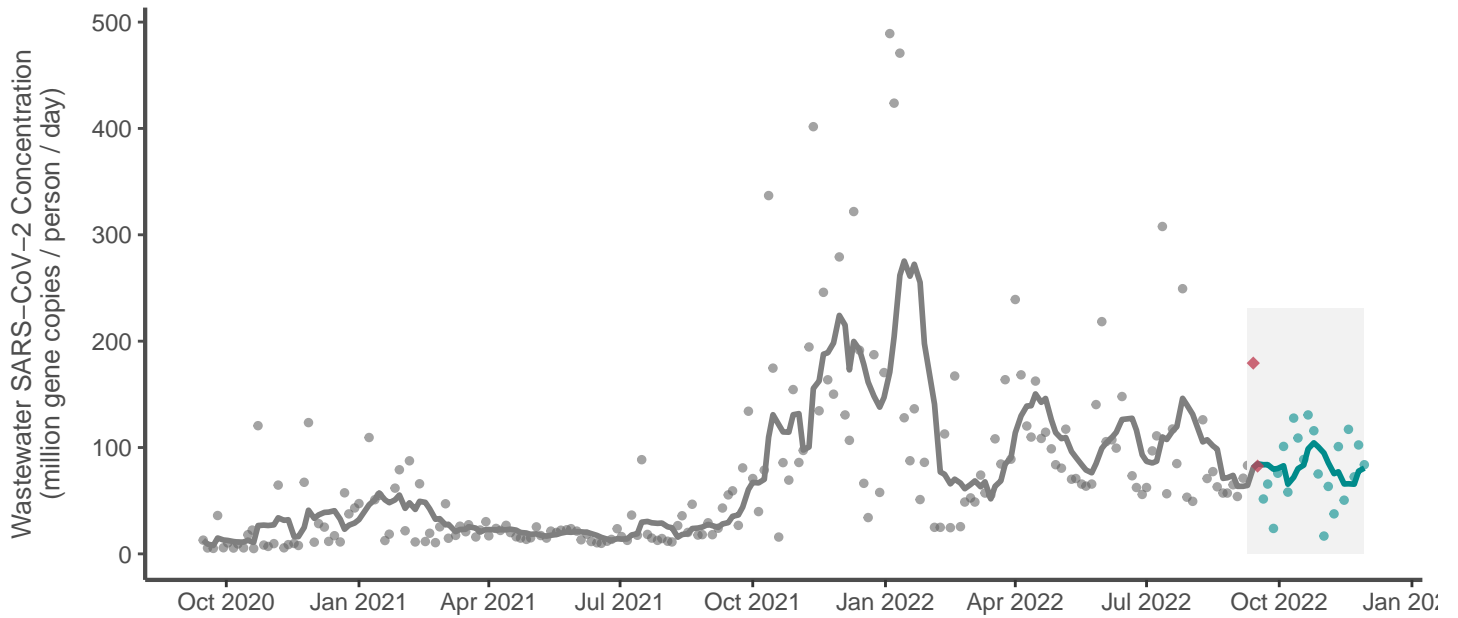
**There are no laboratory comments regarding the most recent wastewater sample.**

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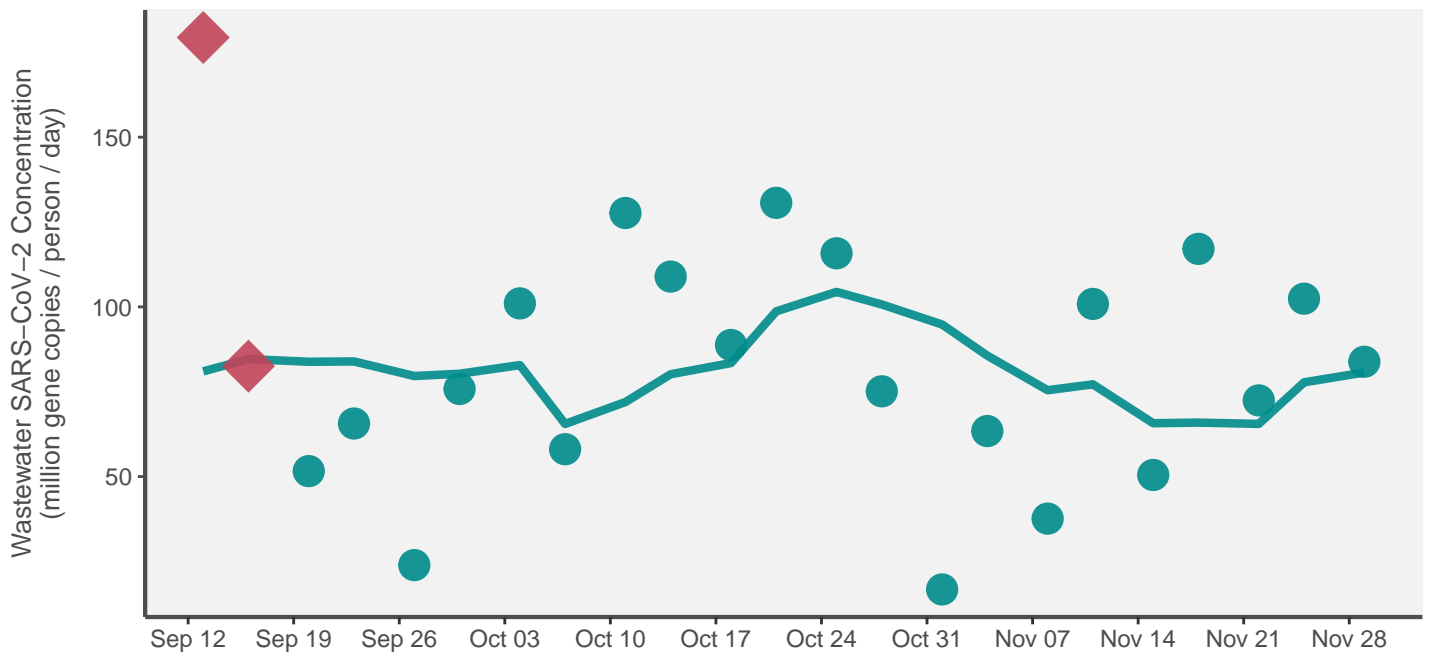
**Wastewater trends for Wisconsin can be found on our [Wastewater Surveillance Dashboard](#).**



### All Time Wastewater Trend for Appleton (Sep 15, 2020–Dec 8, 2022)



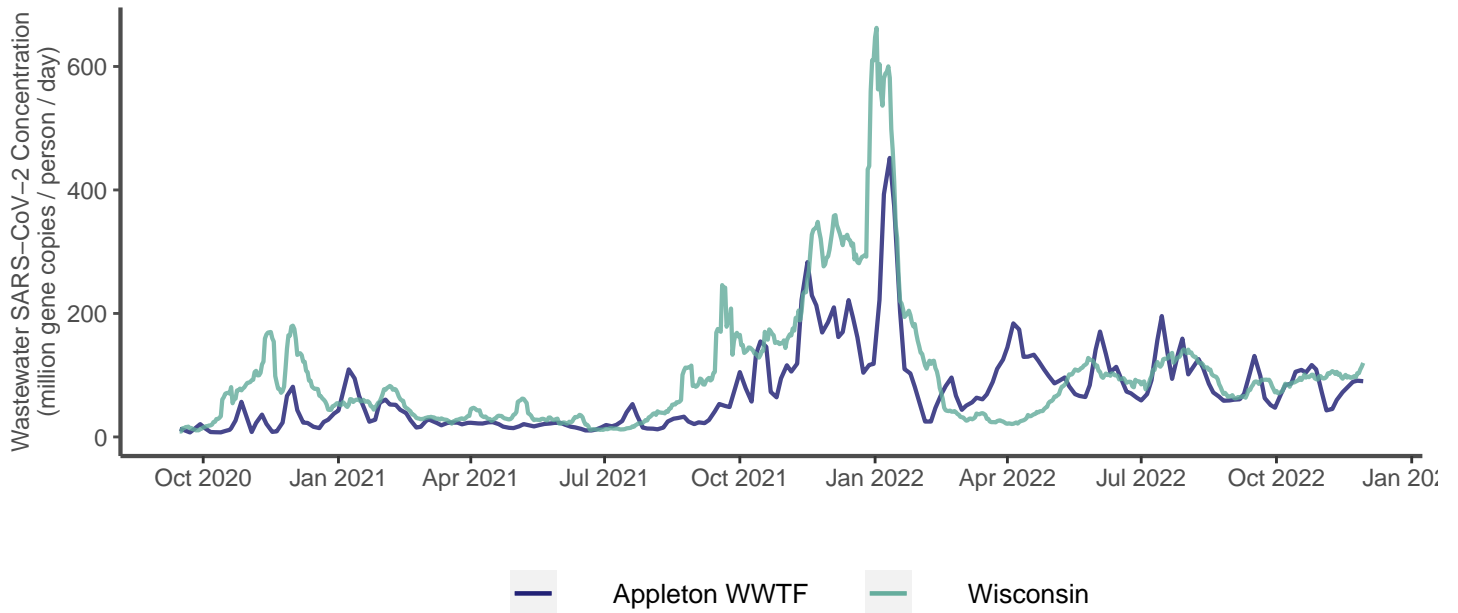
### 90-Day Wastewater Trend for Appleton (Sep 9, 2022–Dec 8, 2022)



◆ - Significant Increase

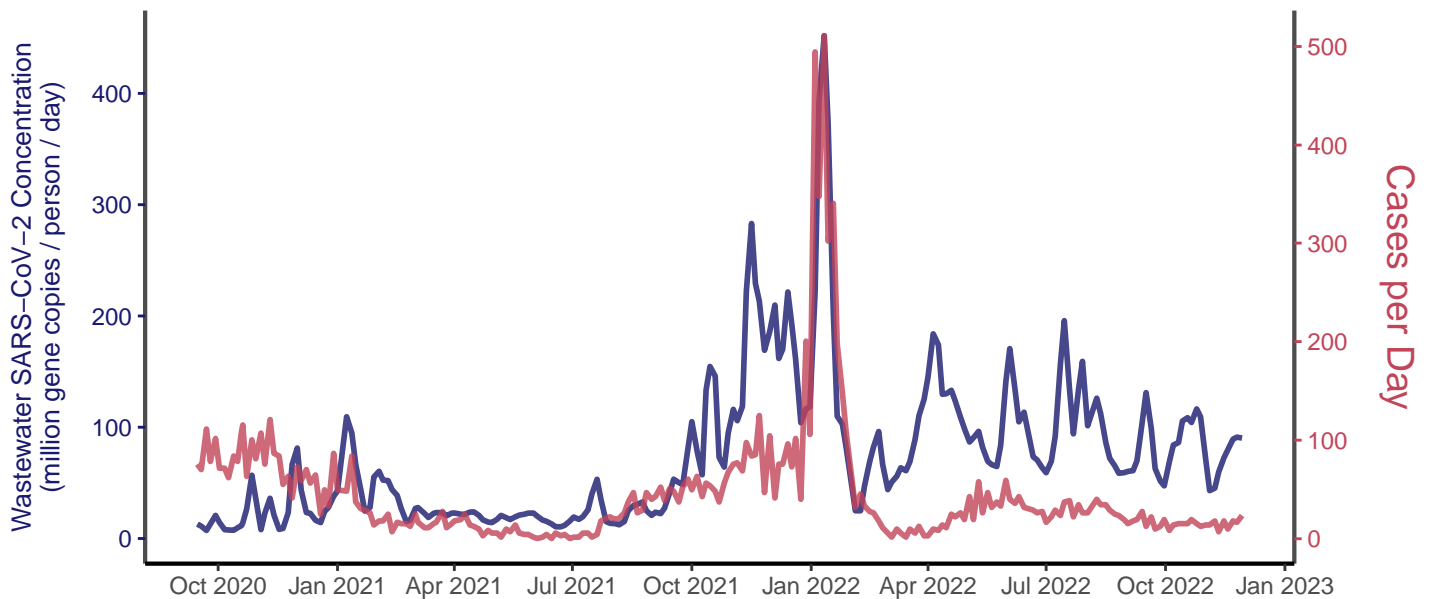
A datapoint is defined as a **significant increase** if a linear regression for the past five measurements is significantly increasing ( $p < 0.3$ ) and if the average of the most recent three datapoints is greater than 80% of the measurements from the last 30 days.

## 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

