

## Pease Wastewater Treatment Facility SARS-CoV-2 Biomarker Results Summary

Report Date: July 8, 2022; Sampled by: DE, July 6, 2022

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### Dates Sampled for this Monitoring Period:

Wednesday, July 6, 2022*
Wednesday, June 29, 2022
Wednesday, June 22, 2022
Wednesday, June 15, 2022

\*New samples since last report

**Method:** A 24-hour composite sample was taken from July 5-6, 2022. This sample was preprocessed and extracted using a solids separation, Ceres Nanoscience viral concentration, and Kingfisher extraction approach. Two viral markers (N1 and N2) were quantified via Bio-Rad QX200 ddPCR.

**Results:** Both SARS-CoV-2 N1 and N2 viral biomarkers were detected (LOD=172 copies/100 ml) for the composite sample taken July 5-6, 2022. Biomarker levels dropped from those reported last week, suggesting decreased COVID-19 prevalence within the community served by the treatment facility.

**Table 1:** Sample date and biomarker results. "BDL" represents values below the quantified limits of instrument detection of 172 copies/100 mL wastewater.

Sample Date	SARS-CoV-2 Biomarkers	
	N1 copies/100mL	N2 copies/100mL
07/06/2022*	214	205
06/29/2022	1,049	1,045
06/22/2022	238	295
06/15/2022	2,031	2,199

\*New samples since last report

For more detailed information regarding local, county, and statewide COVID-19 infections, please refer to the data reported through the New Hampshire Division of Health and Human Services website <https://www.covid19.nh.gov/dashboard>.