

**Peirce Island, NH Wastewater Treatment Facility SARS-CoV-2 Biomarker Results  
Summary**

Report Date: November 4th, 2022  
Prepared by Liam O'Rourke

**Dates Sampled for this Monitoring Period:**

Tuesday, October 4th, 2022*
Monday, October 10th, 2022*
Tuesday, October 18th, 2022*
Tuesday, October 25 <sup>th</sup> , 2022*

\*New samples since last report

**Method:** A 24-hour composite sample was taken on the date shown above. This sample was preprocessed and extracted using a solids separation, Ceres Nanoscience viral concentration, and Kingfisher extraction approach. The N1 viral marker was quantified via QIAcuity dPCR.

**Results:** SARS-CoV-2 N1 was detected (LOD=250 copies/100 ml) for this sample at the levels reported in Table 1.

**Table 1:** Sample date and biomarker results. "BDL" represents values below the quantified limits of instrument detection of 250 copies/100 mL wastewater.

SARS-CoV-2 Biomarkers	
Sample Date	N1 copies/100mL
10/4/2022*	1331
10/10/2022*	1654
10/18/2022*	1968
10/25/2022*	1212

\*New samples since last report