

WASTEWATER SURVEILLANCE FOR COVID-19

...Using wastewater-based epidemiology as an early warning system for disease outbreaks

The Centers for Disease Control and Prevention (CDC) and the US Department of Health and Human Services (HHS), in collaboration with agencies throughout the federal government, are initiating the National Wastewater Surveillance System (NWSS) in response to the COVID-19 pandemic. The data generated will help public health officials to better understand the extent of the COVID-19 infection.

Why Wastewater Sampling?

- Wastewater can be tested for RNA from SARS-CoV-2, the virus that causes COVID-19. Such data can be used as an early warning system for infections within communities and organizations.
- SARS-CoV-2 can be shed in the feces of individuals with pre-symptomatic and asymptomatic cases of COVID-19.
- SARS-CoV-2 can be found up to 3 days in advance of symptoms through wastewater testing allowing agencies more response time.
- Wastewater sampling is a non-invasive and cost-effective mechanism to monitor the evolution of the SARS-CoV-2 pandemic.
- Data from wastewater testing is not designed to replace existing COVID-19 surveillance systems; but is meant to complement them.

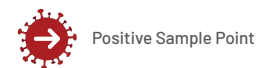
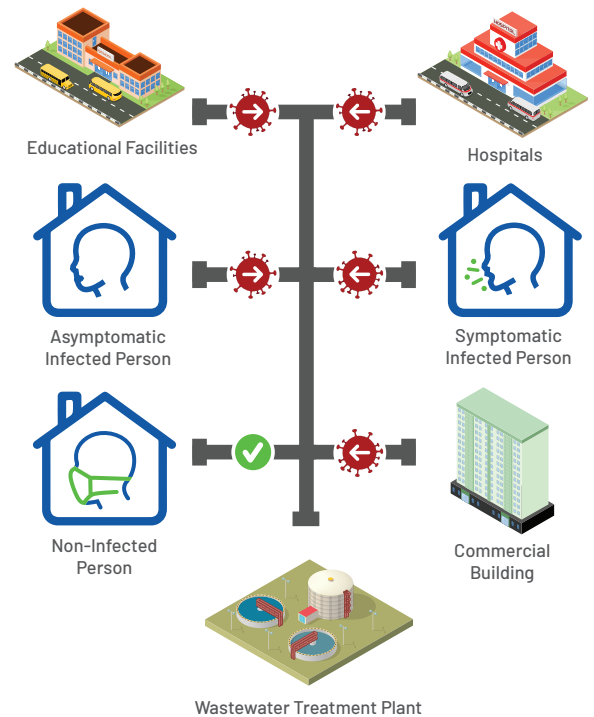
Applicability?

- Government facilities including federal, state and municipal offices.
- Large institutional facilities such as: production sites, businesses, hospitals, nursing homes, prisons, schools and universities, military bases, among others.
- Sanitary sewer districts.

How D&B can assist:

- Development of Site-Specific Sampling Plans.
- Implementing cost-effective, short-term and long-term sampling programs.
- Identifying applicable laboratory(s) for SARS-CoV-2 analysis in wastewater.
- Data interpretation and trend analysis.

D&B is an environmental engineering firm licensed to practice engineering in New York State. We have been serving the needs of public and private clients in the tri-state area since our inception in 1965. We urge you to contact us for a **confidential, no-cost consultation** to discuss a strategy that meets your needs!



Positive Sample Point



Negative Sample Point

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