



1

Obtain the two 50 mL “Falcon” collection tubes [A] from the provided wastewater sampling supplies. You will be packaging a “solids” sample sample with this kit. Collect 50 mL of wastewater solids now before proceeding with this guide. Store samples at 4°C if unable to package and ship immediately.

C

Verily Life Science, LLC Wastewater Monitoring



Date: 01/03/2022  
Time: 09:30  
Plant code: 782-SFO  
Type: Composite  
Notes: N/A

2

After sample collection, wrap the lid seam of the 50 mL Falcon tube with Parafilm plastic cling wrap [B] to avoid leakage. Affix one of the provided sticky labels [C] onto each of the two (2) tubes and complete the data fields for time, date, location, etc.

3

Complete the information card [D] and verify the information matches the tube labels, where appropriate (time, date, etc.). Set aside the informational card.

4

When labeled and sealed, place both 50 mL Falcon tubes [A] as well as the absorbent sheet [E] into the plastic bag [F] and seal the bag by removing the white strip and pressing the flap securely closed.

5

Add the following items into the transport box [K]: sample bag [A, B, C, E, F] completed information card [D], frozen cold pack [H], and bubble wrap [G]. Seal the transport box closed.

6

Label the transport box [K] with the UN3373 [I] and Biohazardous Material [J] stickers, then affix the included FedEx shipping label and arrange for immediate overnight delivery.

Thank you for participating in the Verily Wastewater Monitoring Program for SARS-CoV-2 RNA. Our goal is to detect levels of virus via a network of reporting wastewater plants to better inform local and national health agencies for improved public health.

This document outlines the process to package and submit samples of solids (grab or composite) from the primary clarifier for testing. This document serves as a reference point; Verily team members can work with you to adjust to the particular needs of your operation ([publichealthteam@verily.com](mailto:publichealthteam@verily.com))

### **Frequency**

Sample three (3) times a week with interspersed days (i.e., M/W/F or T/Th/S, etc.)

### **Sample Collection: Primary Settled Solids**

This program works with primary settled solids to quantify SARS-CoV-2 concentrations in wastewater. Primary settled solids samples are available at many plants from a primary clarifier. If you do not have primary settled solids, methods to collect solids from liquid influent sample are available (contact Verily at [publichealthteam@verily.com](mailto:publichealthteam@verily.com) for details).

### **We prefer composite samples.**

If this is not possible, a grab sample is acceptable. Please do not use a sample that has been thickened using a polymer or coagulant.

If your primary settled solids have low TSS and you are able to achieve a higher TSS by letting a larger sample volume settle, please do so by pouring off the liquid and collecting the settled material.

### **Sample Labeling and Storage:**

Sampling containers will be provided along with a label that contains an ID number, a space to label the plant, date, and time of sample collection.

When the sample is collected, please fill in the label using a Sharpie permanent marker with:

**Date** (format: MM/DD/YY)

**Time** (use military time hh:mm)

**Type** (Composite/Grab/From Influent)

**Plant Name and Code** \*\* please confirm plant code with the Verily team

After sample collection, please place containers in provided sealable bags and store in the fridge at 4°C until sample pickup. If samples are collected in the afternoon, store for pickup until the following morning.

There is no paper chain of custody document. All required information is provided on the label and by our courier.

### **Sample Return:**

Pre-addressed, pre-paid shipping labels are included. Please arrange for the courier to retrieve samples daily from the plant, as early in the morning as possible to enable same-day processing. Samples should remain at 4°C until pickup.