

SAMPLE SITE PLAN GUIDELINES (COMMUNITY) or (NON-TRANSIENT / NON-COMMUNITY)

If a Public Water System's (PWS) distribution system has discrete water mains that do not loop and each main provides water to a substantial percentage of the service population, then the Bureau of Public Water Supply (BPWS) recommends that the PWS have sampling locations on each main in order to represent the entire distribution system.

Routine sample sites may include:

- * Customer premises (outside faucet recommended)
- * Dedicated sampling stations
- * Other designated compliance sampling locations

Routine Sampling locations:

- * Must be representative of the water in the distribution system. Sites may include looped water lines, storage facilities, high and low pressure zones.
- * Sampling points should reflect the conditions of each different source of water entering the system. For example, if four wells supply water to the system, select sampling points in each area.
- * Select at least one sampling point where the source enters the system.
- * Consider locating more sampling points in populous areas.

Do NOT

- * Use faucets located in weeds, bushes, or within approximately 12 inches of the ground.
- * Use faucets that leak or are dirty.
- * Use chrome-plated fixtures, since heating can damage the finish.
- * Use fire hydrants as sampling sites.
- * Use sampling sites inside structures or washrooms.
- * Use locations that have low water usage.
- * List P.O. Boxes for sample sites.
- * Use wells as Routine Sample Sites.

* BPWS does **not** recommend using sites near dead-end lines.

Complete your site plan and select 1 of the 3 Resample Options.

- Option 1.** Collect upstream/downstream within 5 service connections of the positive Routine (as in the Original TCR and still allowed under Revised TCR).
- Option 2.** Collect from alternate fixed sites identified on the plan.
- Option 3.** Collect from alternate sites (not fixed) as defined in your SOP for Sample Site Selection (attach a copy of your SOP).

Regardless of which resample option you choose, your routine sites must be listed on the 2016 ROCR Microbiological Sample Site Plan and identified on the map.

Don't forget to **sign** and **date** the Site Plan before submitting to our office for review. Be sure to **include a map** with your sites identified. **Identify all wells on your site plan map.**

RESAMPLE OPTIONS

Option 1. If you choose to use upstream and downstream sites within 5 connections (as in the original TCR) for resamples required due to a Total Coliform positive sample or E. coli positive sample, you only need to add the Routine sites that are representative of your distribution system. Check the **Option 1** box on the site plan.

Option 2. If you choose to use alternate **fixed** sites for resamples caused by a Total Coliform positive sample or E. coli positive sample (instead of collecting resamples within 5 connections upstream and downstream), you must identify the alternate sites with addresses. Check the **Option 2** box on the site plan.

Example:

<u>Site</u>	<u>Address and City</u>	
1	247 Horseshoe Lane, Pearl	<i>(Routine Site)</i>
Res1A	121 Alabaster St, Pearl	<i>(Resample Location for Site 1)</i>
Res1B	250 Hickory Ave, Pearl	<i>(Resample Location for Site 1)</i>
68	200 George St, Pearl	<i>(Routine Site)</i>
Res68A	159 Whispering Pines, Pearl	<i>(Resample Location for Site 68)</i>
Res68B	300 Baptist Blvd, Pearl	<i>(Resample Location for Site 68)</i>

Option 3. If you choose to use alternate sites (**Not fixed**) that are situational and more flexible to best detect the extent of potential contamination, then you must establish a **Standard Operating Procedure (SOP) for Sample Site Selection**. Check the **Option 3** box and in the system's SOP, provide details of how resample sites will be selected. List your routine sites on the site plan and provide your SOP on a separate page. With this option the PWS has the opportunity to be as specific as it wants to be in selecting resample sites for the routine sites. Please type or print your SOP and include enough details for BPWS and PWS staff to understand your logic/reasoning for selecting certain areas for resampling.

Example:

<u>Site</u>	<u>Address and City</u>
1	2820 I-55 North, Pearl – Resample any sites west of Hwy 80
2	540 N Bush St, Pearl – Resample any site on State St
3	211 Rich Dr, Pearl – Resample any site inside Castlewood's subdivision
4	555 Stinky Cr, Pearl – Resample any site inside Castlewood's subdivision
5	345 I-10 Loop, Pearl – Resample any site west of Well 01 on Hwy 34
6	12 CR 1648, Pearl – Resample any site on the east side of the Pearl River

Resamples may be collected from the various hydraulic areas with similar water quality that are common to the routine sample location.

Resamples may be collected from the storage tank providing water to the routine sample location.

Resamples may be collected from locations that are expected to better represent pathways of contamination into the distribution system.