

This guide to make a written **COLIFORM SAMPLING PLAN** is for you IF: You have only a few water service connections AND disinfection is not needed or provided in any way AND you exclusively use ground water.

Create a matrix like the 1 below as the basis for a coliform sampling plan. It outlines where & when (i) ROUTINE, (ii) REPEAT & SOURCE, and (iii) TEMPORARY ROUTINE samples are to be taken. Other paperwork to make part of a coliform sampling plan includes: a map of water lines, the PUBLIC NOTICE templates accessed via the link at the bottom of this document, plus any written instruction from your water testing lab about collecting samples, completing lab paperwork, transporting samples, scheduled courier services & times samples are accepted.

The matrix below illustrates a plan for a water system with 2 branches and only 1 service connection per branch from which water is normally used. Expand your matrix if more ROUTINE sample sites are needed.

Sample Sites: only service connections that are available for normal use need to be sampled. At least one sample every calendar quarter is to be tested for total coliform. The general practice is to assure each region of the water system is represented by at least one ROUTINE sample over the course of a year. Use the map of water lines to justify the choice of sampling sites. A SOURCE sample is required any time REPEATS are needed. If REPEATS are not needed during the year 1 SOURCE sample per source is still required in each calendar year. When REPEAT samples are required: #1 is from the originally sampled tap, #2 & #3 are up & down stream from #1. **EXCEPTION**: if there are not enough service connections to allow this, multiple REPEAT samples may be taken from the same site. TEMPORARY ROUTINE sample sites should be spread through the system.

(i) Sample Points for ROUTINE quarterly samples	(ii) 1 SOURCE sample (from each source) & 3 REPEAT samples must be taken ASAP in the locations below any time coliforms are found present in a ROUTINE sample:	(iii) 5 TEMPORARY ROUTINE Samples must be taken in the month immediately after the month coliform was found present in a ROUTINE Sample. Make a list of sample sites scattered through the distribution system.
ROUTINE Site #1-Church Kitchen SAMPLED during the 1 st & 3 rd QUARTERS of the YEAR.	Repeat Site A - <i>Church Kitchen</i>	Sites: 1____, 2____, 3____, 4____ & 5____ IF coliform is found present in a TEMPORARY ROUTINE, return to the sampling requirements in column (ii) and <u>again</u> collect 4 REPEATS & SOURCE sample(s). If ANY of the REPEAT/SOURCE samples or 5 TEMPORARY ROUTINE samples show presence of any kind of coliform bacteria PUBLIC NOTICE is required. See the link at the bottom of this document. Ideally contamination should be eliminated before TEMPORARY ROUTINE samples are taken. Contact the Health Dept for ideas to help @ (541) 751-2431.
	Repeat Site B - <i>Church Kitchen</i>	
	Repeat Site C - <i>Pastor's Home</i>	
	Source – <i>Well head faucet (prior to any treatment)</i> If E. coli is found in the SOURCE sample call the Health Dept for instructions.	
ROUTINE Site #2-Pastor's Home SAMPLED during the 2 nd & 4 th QUARTERS of the YEAR.	Repeat Site A - <i>Pastor's Home</i>	
	Repeat Site B - <i>Pastor's Home</i>	
	Repeat Site C - <i>Church Kitchen</i>	
	Source – <i>Well head faucet (prior to any treatment)</i> If E. coli is found call the Health Dept for instructions.	

A link to more comprehensive instructions for preparing a COLIFORM SAMPLING PLAN are provided by the state at:
<http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Operations/Pages/management.aspx>

Public notice templates related to this document include: "MCL – Resolved," "MCL – Unresolved" and "Fecal Coliform or E. coli MCL Boil Water." A link for each may be found at:
<http://public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Operations/Pages/publicnotices.aspx>