

## TOTAL COLIFORM RULE EXERCISE

You are the new water system operator at Much Wetter Water Company. The Much Wetter Water system serves 375 service connections (880 consumers) from two groundwater wells. The wells alternate automatically after every five cycles. Treatment consists of chlorination and fluoridation. No other treatment is necessary to meet all regulatory requirements. The system's site sample plan is up-to-date and approved by SWRCB. The plan includes the following sample location table.

Site #	Location	Description
S1	152 Babbling Brook Way	Routine Sample Site #1 – Town Hall kitchen tap
R1A	147 Babbling Brook Way	Upstream Repeat location for Site #1 – hose bib on left side of front door
R1B	156 Babbling Brook Way	Downstream Repeat location for Site #1 – hose bib on north side of house
S2	22 Rippling Water Drive	Routine Sample Site #2 – Fire Station – kitchen tap
R2A	27 Rippling Water Drive	Upstream Repeat location for Site #2 – hose bib on front of house
R2B	17 Rippling Water Drive	Downstream Repeat location for Site #2 – hose bib of north side of house
GWR	Well #1 Pump House at School	Triggered Source Water Site #1
GWR	Well #2 Pump House at Office	Triggered Source Water Site #2

### Questions:

1. How many routine samples should you take this month?
2. The lab calls and tells you that your S1 routine sample is total coliform and E.coli positive. What actions should you take? Who should you call?
3. How many routine samples should you take next month?