

Basic Procedures for Triggered Source Water Sampling for Operators

The following procedures apply if you are notified of a positive routine TCR distribution sample, and you are not conducting 4-log.

Within 24 hours of notification of a routine positive TCR result, samples must be taken at each well that was in service at the time of the positive sample. The number of samples taken PER WELL must equal the number of positive TCR samples. If you collected three positive TCR samples, then three well samples must be taken at EACH WELL that was in service at the time.

If a well sample is positive for total coliform, but absent of *E.coli*:

1. Take the well **out of service and clear it** before placing it back in service, OR
 2. Leave the well in service but begin compliance monitoring for **4-log**, OR
 3. Leave the well in service with the affected system under **boil water notice** until the well can taken offline and cleared.
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If the well sample is positive for *E.coli*:

Within 24 hours of notification of the positive *E.coli* well sample, issue a **system-wide boil water notice** and either:

1. Shut the well down and have it cleared before putting it back online and **provide an alternate source of water** during that time, AND
2. Identify the source of contamination and **eliminate** it within 120 days of the positive *E.coli* sample.

OR

3. Provide **4-log** disinfection at that entry point and continue 4-log in the future.

Provided the well remains OFFLINE, the boil water notice due to the *E.coli* positive source sample can be lifted once the appropriate number of distribution samples are clear. The boil water sample locations and procedures are the same for *E.coli* well samples as for TCR (# of samples = connections/100 + 2, two days in a row).

Before the well can be put back online, it must be cleared OR 4-log must begin at that well. If the well is cleared and put back online, the system must investigate and identify the source of contamination within 120 days of the *E.coli* positive sample. Additionally, during the time that the well is online, the boil water notice remains in effect until the source of contamination is identified and eliminated OR until 4-log compliance monitoring begins.

Note: 2 consecutive clear (coliform-free) samples with two hours of continuous pumping in between the samples constitutes a "cleared well".