

The Public Water System must notify the state by the end of the day when you are notified of a positive *E. coli* result.

Kentucky Division of Water number to call for *E. coli* Positive notification: 502-782-7049 and email

Rodney.Ripberger@ky.gov .

RTCR Assessment Triggers Quick Reference

If Routine Sample Is:	And	Any Repeat Sample Is:	Action: What do your sample results mean?	Violation
TC+ EC-	&	TC+ EC-	The presence of total coliform bacteria in both your original routine sample and in your follow-up repeat sample suggests there could be a problem and your water may not be safe to use. 1. Conduct a Level 1 or Level 2 assessment (1).	No MCL violation
TC+ EC-	&	TC+ EC?	The presence of total coliform bacteria in both your original routine sample and in your follow-up repeat sample suggests there could be a problem and because <i>E. coli</i> was not tested, it is unknown whether or not the water is safe to use. 1. Notify the state within 24 hours of receiving sample results (2). 2. Conduct a Level 2 assessment (1). 3. Issue a Public Notice (PN).	<i>E. coli</i> MCL violation
TC+ EC-	&	TC+ EC+	The presence of <i>E. coli</i> bacteria in your water is an indicator of fecal contamination and your water may not be safe to use. 1. Notify the state within 24 hours of receiving sample results (2). 2. Conduct a Level 2 assessment (1). 3. Issue a Public Notice (PN).	<i>E. coli</i> MCL violation
TC+ EC-	&	Any or all repeat samples missing	The presence of total coliform bacteria in your original routine sample suggests there could be a problem and because repeat samples were not tested, it is unknown whether or not the water is safe to use. 1. Conduct a Level 1 or Level 2 assessment (1).	No MCL violation
TC+ EC+	&	TC+ EC-	The presence of <i>E. coli</i> bacteria in your water is an indicator of fecal contamination and your water may not be safe to use. 1. Notify the state within 24 hours of receiving sample results (2). 2. Conduct a Level 2 assessment (1). 3. Issue a Public Notice (PN).	<i>E. coli</i> MCL violation
TC+ EC+	&	Any or all repeat samples missing	The presence of <i>E. coli</i> bacteria in your water is an indicator of fecal contamination and your water may not be safe to use. 1. Notify the state within 24 hours of receiving sample results (2). 2. Conduct a Level 2 assessment (1). 3. Issue a Public Notice (PN).	<i>E. coli</i> MCL violation

1. CFR §141.859 Coliform treatment technique triggers and assessment requirements for protection against potential fecal contamination (Partial)

(a) *Treatment technique triggers.* Systems must conduct assessments in accordance with paragraph (b) of this section after exceeding treatment technique triggers in paragraphs (a)(1) and (a)(2) of this section.

(1) Level 1 treatment technique triggers.

(i) For systems taking 40 or more samples per month, the system exceeds 5.0% total coliform-positive samples for the month.

(ii) For systems taking fewer than 40 samples per month, the system has two or more total coliform-positive samples in the same month.

(iii) The system fails to take every required repeat sample after any single total coliform-positive sample.

(2) Level 2 treatment technique triggers.

(i) An *E. coli* MCL violation, as specified in §141.860(a).

(ii) A second Level 1 trigger as defined in paragraph (a)(1) of this section, within a rolling 12-month period, unless the State has determined a likely reason that the samples that caused the first Level 1 treatment technique trigger were total coliform-positive and has established that the system has corrected the problem.

2. CFR § 141.858 Repeat monitoring and *E. coli* requirements (Partial)

(5) Results of all routine and repeat samples taken under §§141.854 through 141.858 not invalidated by the State must be used to determine whether a coliform treatment technique trigger specified in §141.859 has been exceeded.

(b) *Escherichia coli (E. coli)* testing. (1) If any routine or repeat sample is total coliform-positive, the system must analyze that total coliform-positive culture medium to determine if *E. coli* are present. If *E. coli* are present, the system must notify the State by the end of the day when the system is notified of the test result.