1. Contact the State Division of Drinking Water (DDW). An after-hours or weekend contact is always available at 801-536-4200.

2. Contact the Local Health Department with jurisdiction for your system. After hours and weekend contacts are generally available.

**Collect 3 Repeat (RP) samples within 24 hrs.**

1. Three repeat samples must be collected for EACH routine positive sample.

2. Repeat samples must be collected within 24 hours of being notified. Collect samples at the following locations:
   - Original location
   - Upstream, within 5 connections
   - Downstream, within 5 connections

3. Sample Type must be labeled as RP, with the correct sample location.

**Collect Triggered Source (TG) Water Sample(s) within 24 hrs.** *(For groundwater systems that do not provide 4 log treatment of viruses)*

1. Triggered ground water source sample(s) must be collected within 24 hrs of being notified of a routine positive coliform sample.

2. One sample must be collected from EACH groundwater source(s) IN USE at the time of the positive sample, OR from a DDW approved representative source monitoring location (system must submit a Source Water Monitoring Plan and be assigned a sample location of SSG01).

3. Sample(s) must be collected before treatment and/or disinfection; and,

4. Sample Type(s) must be labeled before TG, with the correct source number (ie: WS001, WS002…). Source numbers are identified on the System Summary Report, on [www.waterlink.utah.gov](http://www.waterlink.utah.gov)

**When Repeat sample(s) is/are positive:**

1. If a repeat sample is *E. coli* positive, contact the DDW and Local Health Department. A “Boil Order” will be issued, and a **Level 2 Site Assessment** must be performed by the DDW, or a DDW approved representative.

2. If a repeat sample is coliform positive, perform a **Level 1 Site Assessment**.

3. Complete a Level 1 Assessment form and submit it to the DDW. Level 1 Assessment Forms are located on the DDW web page [www.drinkingwater.utah.gov - Forms/Bacteriological Forms/Level 1 Assessment](http://www.drinkingwater.utah.gov - Forms/Bacteriological Forms/Level 1 Assessment).

4. If you have two or more Level 1 triggers in a rolling 12 month period, a Level 2 Site Assessment must be performed by the DDW, or a DDW approved representative. Contact the DDW to schedule this assessment.

**When Triggered Source sample(s) is/are positive:**

1. If the TG sample is coliform positive, no further sampling is required.

2. If the TG sample is *E. coli* positive, contact the DDW and, within 24 hours, collect 5 confirmation samples (CO) from the source. If this is a DDW representative source monitoring location, sample each individual source.

3. Sample Types must be labeled CO, with the correct source number.
TOTAL COLIFORM

TC+

RTCR

GWR

TC+ sample(s) require meeting the requirements of both the GWR and RCTR. Contact DDW: 801-586-

TRIGGERED SOURCE SAMPLES

Collect 1 sample within 24 hours at these locations:
1. Each source in use at the time of the TC+, or
2. At an approved DDW representative site (SSG01)

GROUNDBASED RULE (GWR)
(Effective 12/1/2009)

Collect samples before treatment.

TC+ EC+

Issue GWR Tier 1 Special Notice* and Tier 1 Public Notice*
• Collect 5 confirmation source samples from the source(s) that had EC+

TC+ EC-

No violation; End sampling.

TC+ EC+

Perform corrective action

TC+ EC-

No violation; End sampling.

TC+ EC-

No violation; End sampling.

TC+ or EC+

Collect 3 repeat samples until TC is not detected in two complete sets of repeats.

GWR SITE ASSESSMENTS
Level 1 Site Assessment
Required when:
1. Two or more TC+ samples (routine and repeat results) in one month.
2. Fail to collect 3 repeat samples for each routine TC+ - May be performed by Water System

Level 2 Site Assessment
Required when:
1. TC+ routine and EC+ repeat sample
2. EC+ routine and TC+ repeat sample
3. Fail to collect all 3 required repeats following an EC+ routine sample.
4. Two Level 1 triggers in 12 months - Must be performed by the DDW or DDW approved third party

RTCR SITE ASSESSMENTS
Level 1 Site Assessment
Required when:
1a. Two or more TC+ samples within 24 hours at these locations:
   1. Original Site
   2. Upstream
   3. Downstream

1b. 5.0% TC+ for systems taking more than 40 samples per month.
2. Fail to collect 3 repeat samples for each routine TC+

May be performed by Water System

Level 2 Site Assessment
Required when:
1. Two Level 1 triggers in 12 months

Must be performed by the DDW or DDW approved third party

TC+ or EC+

Notify DDW and LHD Level 2 Assessment Required
• Issue Tier 1 Public Notice* which includes a “Boil Order”

TC+ EC-

Return to routine sampling.

TC+ EC-

First positive repeat in 12 months
• Perform Level 1 Assessment
• Fix Sanitary Defects
• Submit Assessment form to the DDW within 30 days

Two Level 1 Triggers in a 12-rolling month period
• Level 2 Assessment is required, Contact DDW
• Fix Sanitary Defects

REVISED TOTAL COLIFORM RULE (RTCR)
(Effective 4/1/2016)

TC+ EC+

Collect 3 repeat samples until TC is not detected in two complete sets of repeats.

*PUBLIC NOTICE

Tier 1
• Provide notice within 24 hrs. (posting, hand delivery, radio, TV)
• Report to DDW and LHD
• Issue Boil Order

Tier 1 GWR Special Notice
1. Fecal indicator-positive source
2. Uncorrected significant deficiencies
• Provide Special Notice annually until DDW determines the significant deficiencies are corrected and the fecal contamination is addressed.

Tier 2
• Provide public notice within 30 days of failing to submit a Level 1 Assessment (posting, hand delivery, mail separate notice or include with bill)
• Treatment Technique Violation Issued

TC = Total Coliform

EC