ways 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 TG, with the correct source number (ie: WS001, WS002…). Source numbers are identified on the System Summary Report, on 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.
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.

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

TOTAL COLIFORM
TC+

RTCR

REPEAT
Collect a set of 3 repeat samples for EACH TC+ within 24 hours at these locations:
1. Original Site
2. Upstream
3. Downstream

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

TC+ EC+
Notify DDW and LHD
Level 2 Assessment Required
- Issue Tier 1 Public Notice* which includes a "Boil Order"

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

GWR

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

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)

Collect samples before treatment.

TC- EC-
No violation;
End sampling.

TC+ EC-
No violation;
End sampling.

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-
No violation;
End sampling.

TC+ EC+
Perform corrective action

RTCR SITE ASSESSMENTS

Level 1 Site Assessment
Required when:
1a. Two or more TC+ samples (routine and repeat results) in one month.
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. 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

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

UTAH DEPARTMENT of ENVIRONMENTAL QUALITY
DRINKING WATER

TC = Total Coliform EC

8/16/2022