



EPA Region 8 Ground Water Rule for Transient Non-Community Water Systems 2015

Triggered Monitoring

Presenter: Gail Franklin
EPA Region 8
franklin.gail@epa.gov
(303) 312-6497

Triggered Monitoring



Monitoring and Reporting Requirements for the Calendar Year [redacted]

February 8, 2013

[redacted] BAR & GRILL

PWS ID#: WY560 [redacted] (NC/GW)

The requirements presented here are based on EPA's current information, which might not be completely accurate. We advise you to compare this information with data from your own files, and contact the appropriate EPA rule manager for more information.

Ground Water Rule

Within 24 hours of being notified of a routine Total Coliform Rule positive (TC+) sample, you must sample for the presence of E. coli at ALL ground water sources in use at the time of the original TC+. Collect one source sample for every routine TCR positive sample. Utilize the Groundwater Source Sampling Form found at the following website: <http://www2.epa.gov/region8-waterops/wy-and-tribal-ground-water-rule-source-water-sampling-triggered-source-monitoring>. On the form you must write the correct Sample Point Code (e.g. GWR Elm Well), which can be found below, and mark the sample as 'Triggered'.

This sampling is in addition to your Total Coliform Rule repeat samples.

FACILITY CODE	FACILITY DESCRIPTION	SAMPLE POINT CODE	SAMPLE POINT DESCRIPTION
WL01	WELL #1 NORTH	GWR WL01	TRIGGERED GWR SOURCE
WL02	WELL #2 MANAGER	GWR WL02	TRIGGERED GWR SOURCE
WL04	WELL #4	GWR WL04	TRIGGERED GWR SOURCE

Only systems subject to the Ground Water Rule are on triggered monitoring!

Triggered Monitoring



- The Total Coliform Rule (TCR) & the GWR:
 - Run **parallel**
 - But are separate rules w/ separate requirements
 - GWR piggybacks on the TCR



Triggered Monitoring



You **DO NOT** have to do **anything UNTIL-**

- * You have a routine TCR unsafe/positive sample result (includes 5 routines the month after a TC+)

Triggered Monitoring



If you have a TCR routine positive/unsafe sample:

- * Take your Ground Water Rule source sample(s) when you collect your TCR repeats!!!
- * Remember, the GWR piggybacks on the TCR when there is a TC+ ROUTINE TCR sample.



Triggered Monitoring

WHERE are we sampling for Triggered Monitoring?

- Sample for the GWR at the source (well(s), spring, or EPA-approved location)
- Sample **BEFORE** treatment
- If you only have one ground water source, you may mark the sample location as “SOURCE” or specify the source name (e.g. GWR WL01)
- If your ground water sources combine before treatment, you can take a “combined source” sample, but make sure to label it as “combined source” on the form. Otherwise, list out each ground water source by name on the form on separate lines [e.g. Well #1, Well #2, etc., with the sample point code designation (GWR WL01, GWR WL02...)]
- It may be necessary for the system to install new sample tap



WY and Tribal Ground Water Rule (GWR)

TRIGGERED GROUNDWATER SOURCE SAMPLING FORM

Sampler(s) Section (For field sampler use only)

Reminder: Collect GWR source samples anytime you have a routine TCR positive sample (includes the five additional routine TCR samples required the month after a routine TCR positive sample). Sample each active groundwater source for the same number of routine TCR positive samples. Write the correct Sample Point Code (e.g. GWR WL), which may be found in the yearly Monitoring and Reporting Requirements document sent to all systems. The GWR source samples are in addition to your TCR repeat samples. You cannot use TCR samples as a GWR source sample or vice versa.

Public Water System (PWS) Name: <i>Giddy Up</i>		Sampler's Name: <i>John Smith</i>	
PWS Identification Number (PWSID): <i>WY5609876</i>		Cell Phone Number: <i>307-123-4567</i>	
PWS Street Address: <i>123 S. 34th</i>	City: <i>Lander</i>	State: <i>WY</i>	Zip Code: <i>80543</i>
Comments: (List sources that were inactive or any other information regarding why all groundwater sources were not sampled)			
Sample Collection		Sample Point Code	
Date		Time	
Groundwater Sample Type- Check One		(Found in the yearly Monitoring and Reporting Requirements document in the GWR section.)	
Triggered- 1st source sample(s) after being notified of a routine TCR positive		Additional Routines- Required 5 source samples after a GWR EC+ routine result	
Replacement- If a sample wasn't analyzed previously (e.g. over holding time)			
<i>9/22/15</i>	<i>9:00 am</i>	<i>GWR WL01</i>	☒ Triggered ☐ Additional Following EC+ ☐ Replacement
			☐ Triggered ☐ Additional Following EC+ ☐ Replacement
			☐ Triggered ☐ Additional Following EC+ ☐ Replacement
			☐ Triggered ☐ Additional Following EC+ ☐ Replacement
			☐ Triggered ☐ Additional Following EC+ ☐ Replacement
Sampler(s) name (Print): <i>John Smith</i>		Sampler(s) signature: <i>John Smith</i>	
		Date signed: <i>9/22/15</i>	



For Ground Water Rule:
ONLY if the results are **EC+** (E. coli) positive should you call immediately; TC+s at the source do not require any further follow-up.

Triggered Monitoring (Until March 31, 2016)

Steps to Take After a Positive (Unsafe or TC+) Total Coliform Rule (TCR) Routine Sample

(Remember: Anytime you have an E. coli (EC+) sample call EPA IMMEDIATELY!!!)

