





NPDWR	Reportable Violation Code (SDWIS/FED)	Contaminant Code	Item#	Violation Description	Violation Type	Violation return to compliance ("RTC") when the system meets the following criteria:
RTCR		8000	244	E.coll MCI. (Violation Code 1A)  Main language:  1) EC routine with insufficient repeat samples, or 2) Combination of EC and TC results between the routine and repeat samples, or 3) TC routine with TC repeat sample not tested for E.coll by lab	MCL	Annew velidation ID is generated for each instance the PNS maper the conditions of the E. cell field. A Cell field. The cell review is the month when compelled on the cell review and previous anging review anging related places and cell review and cell r
RTCR				EC+ routine with insufficient repeat samples		
RTCR	1A			A system that has an EC+routine sample, is approved for dual purpose GMR/MTCR sampling, that fails to have an associated sample taken at the GW source that is designated at the GW source. 341.403(a)(2) 141.803(a)(3)		
RTCR				A system that has an EC+routine sample, is approved for dual purpose GMB/NTCR sampling, that falls to have the designate dual purpose sample tested for E. coll by the laboratory. JMLAX((a)(2): JMLBX((a)(2))		
RTCR				For each noutine SC+ sample, when a PMS with a single service connection is required and approved by the State to take a total volume repeat sample of at least 300ms, and the PMS falls to meet bit requirement to collect the appropriate solume sample. 541.858(s/C) 141.859(s/C)(6)		
RTCR				For each routine EC+ sample, when a PIES with a single service connection is required and approved by the State to take three repeat samples within a three day period, and the PIES fails to meet this requirement. 341.850(a)(2) 341.850(a)(3)		
RTCR				A system that has an EC+routine sample and fails to collect all the required repeat samples. 141.80(js)(2)		
RTCR				Combination of EC+ and TC+ results between the routine and repeat samples		
RTCR				A system that has a TCr existine sample with an associate forgest ICr sample taken at the GW source that is designated dual purpose as an RTCR repeat and GWR straggered source water sample when the PWC is eligible and approved for dual purpose GWR/RCR sampling. 341.400(a)(2): 341.800(a)(2): 341.805(a)(3):		
RTCR				A system that has a TC+routine sample with an associated EC+repeat sample. S41.850(a)(1) 341.853a(5)(4)(c)		
RTCR				A system that has an EC+ routine sample with an associated TC+ repeat sample. S41.860(a)(2)		
RTCR				TC+ routine with TC+ repeat sample not tested for E. coli by lab		
RTCR				A system that has a TC+ routine sample with an associated TC+ repeat sample that falls to test for C. coll in the associated TC+ repeat sample. 341.860(x)(4)		

### **Treatment Technique Violations**

- A PWS is in violation of the RTCR TT when any of the following occur:
  - Failure to conduct a Level 1 or Level 2 assessment within 30 days of learning of the trigger
  - Failure to correct all sanitary defects from a Level 1 or Level 2 assessment within 30 days of learning of the trigger or in accordance with schedule approved by the state
  - Failure of a seasonal system to complete stateapproved start-up procedure prior to serving water to public

40 CFR 141.860(

### **Monitoring Failures** Violation consists of failure to: | Monitoring | E. coli MCL | Triggers Level 1 or Violation | Violation | Level 2 Assessment Take routine sample Yes Take/analyze for E. coli following a TC+ <u>routine</u> sample Take repeat samples following a TC+ routine sample Triggers Level 1 assessment\* Take repeat sample following a Yes EC+ routine sample Take/analyze for *E. coli* Yes following a TC+ repeat sample \* A Level 2 assessment is triggered if a second Level 1 assessment was triggered within a rolling 12-month period. 40 CFR 141.859(a)(1)(iii); 141.860(c)

### **Monitoring Violations**

- The following two types of monitoring failures are monitoring violations:
  - Failure to take routine total coliform sample
  - Failure to analyze for E. coli following a TC+ routine sample

### **Reporting Violations**

- A PWS is in violation of reporting requirements when any of the following occurs:
  - Failure to submit monitoring report
  - Failure to submit a completed Level 1 or Level 2 assessment form within 30 days of learning of the
  - Failure for a seasonal system to timely submit certification of completion of state-approved start-up procedure (prior to serving water to the public)
    Failure to notify the state by the end of the day/next business day following an *E. coli*-positive sample or *E. coli* MCL violation

### **Public Notification**

Tier of Public Notification
Tier 1
Tier 2
Tier 3
Tier 3

•	)
•	)

### **Health Effects Language** E. coli MCL Violation "E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely compromised immune systems." Health Effects Language (cont.) TT Violations (assessment triggered by presence of E. coli) "E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely compromised immune systems. We violated the standard for E. coli, indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct a detailed assessment to identify problems and to correct any problems that are System must also include the following applicable sentences: "We failed to conduct the required assessment." "We failed to correct all identified sanitary defects that were found during the assessment that we conducted.'

## Health Effects Language (cont.) IT Violations (assessment triggered by presence of total coliform) "Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessments to identify problems and to correct any problems that are found." System must also include the following sentences: "We failed to conduct the required assessment." "We failed to correct all identified sanitary defects that were found during the assessment that we conducted."

# Failure to monitor for total coliforms or *E. coli* prior to serving water to the public: "We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During [compliance period], we 'did not monitor or test' or 'did not complete all monitoring or testing' for [contaminant(s)], and therefore cannot be sure of the quality of your drinking water during that time." Failure to complete other actions: Appropriate standard content elements in 40 CFR 141.205(a).

### Consumer Confidence Reports (CCR) CWS must report - Until March 31, 2016 Total coliform, fecal coliform & E. coli: number or percentage of positive results Starting April 1, 2016 E. coli: number of positive results Level 1 or Level 2 assessment language # required assessments and # completed # of required corrective actions and # completed # assessments missed and corrective actions not completed

40 CFR 141.153(c)(4): 141.153(d)(4)(vii), (viii), &