

.01 Definitions.

- A. (text unchanged)
- B. Terms Defined.
 - (1)–(22) (text unchanged)
 - (23) “Flooded spring” means when water enters a spring box from above the ground surface.
 - (24) “Flooded well” means when water enters a well casing from above the ground surface.
 - (25)–[(46)] (48) (text unchanged)
 - (49) “Outage” means a complete loss of pressure in a water main that causes one or more service connections to lose their supply of drinking water.
 - (50)–[(76)] (79) (text unchanged)

.01-1 Incorporation by Reference.

- A. (text unchanged)
- B. [Documents Incorporated.] Code of Federal Regulations (CFR) — 40 CFR §§141 and 142 (July 1, 2014):
 - (1)–(15) (text unchanged)
 - (16) Ground Water Rule (40 CFR §§141.21, 141.28, 141.153, 141.202, 141.203, 141.400—141.405, 142.14—142.16) — November 8, 2006, November 21, 2006, and February 13, 2013 revisions; [and]
 - (17) Revised Total Coliform Rule (40 CFR §§141.4, 141.52, 141.63, 141.71, 141.74, 141.132, §§141.851—141.861, Subpart Y, and 142.15—142.16, 142.63) — February 13, 2013, and February 26, 2014 revisions[.];
 - (18) American Water Works Association, *AWWA Standard, Disinfecting Water Mains (ANSI/AWWA C651-14)*, effective February 1, 2015; and
 - (19) American Water Works Association, *AWWA Standard, Disinfection of Wells (ANSI/AWWA C654-13)*, effective July 1, 2013.

.20 Public Notification of Variances, Exemptions, and Noncompliance with Standards.

- A. (text unchanged)
 - (1)–(4) (text unchanged)
 - (5) *If a supplier of water experiences an outage under Regulation .37A(1)(b) of this chapter, the supplier of water may limit the distribution of the public notice to individuals who are served by the portion of the distribution system that experienced the outage.*
 - (6) A copy of the notice shall be filed with the Approving Authority as specified in Regulation .19F of this chapter.
- B. Tier 1 Public Notices.
 - (1) The violation categories requiring Tier 1 notices are specified in 40 CFR § 141.202 and *this regulation*, include[e]ing:
 - (a)–(h) (text unchanged)
 - (i) *Occurrence of an outage under Regulation .37A(1)(b) of this chapter;*
 - (j) *Detection of E. coli in any sample collected under Regulation .37D of this chapter;*
 - (k) *Entry of water from a flooded spring into a distribution system;*
 - (l) *Entry of water from a flooded well into a distribution system; or*
 - [(i)] (m) *Other violations or situations with significant potential to have serious adverse effects on human health as a result of short-term exposure, as determined by the Approving Authority.*
 - (2)–(3) (text unchanged)
- C. (text unchanged)
- D. (text unchanged)
- E. Public Notice Content.
 - (1) Each public notice shall meet the requirements [as described] in 40 CFR § 141.205, and shall include the following information:
 - (a) A description of the violation or situation, including *(as applicable)* the contaminant(s) of concern, and the contaminant level(s);
 - (b)–(j) (text unchanged)
 - (2)–(9) (text unchanged)
 - (10) *A supplier of water that experiences an outage under Regulation .37A(1)(b) of this chapter shall include the following language in each public notice: “There is a heightened risk of contamination due to a loss of pressure in the drinking water system. Sensitive populations (persons who are elderly, immunocompromised, ill, pregnant, nursing, young children, etc.) and anyone else who desires an increased level of protection should boil water until further notice.”*

.37 Outages, Flooded Wells, and Flooded Springs.

- A. Outages.
 - (1) *A supplier of water that experiences an outage shall perform one of the following:*
 - (a) *The requirements in §A(2) of this regulation; or*
 - (b) *The requirements in §§B, C(1), D—E and H—I of this regulation.*
 - (2) *A planned outage occurs when the supplier of water performs all of the following requirements:*
 - (a) *Issues a public notice to individuals who are served by the portion of the distribution system that will experience the outage before the outage occurs; and*
 - (b) *Follows all procedures listed in §§C(1), D—E and I of this regulation.*
- B. Public Notification Requirements. *A supplier of water shall comply with Regulation .28 of this chapter and shall issue a Tier 1 public notice as provided in Regulation .20 of this chapter each time one of the following events occurs:*
 - (1) *An outage that does not meet the requirements in §A(2) of this regulation;*
 - (2) *Water from a flooded spring enters a distribution system;*
 - (3) *Water from a flooded well enters a distribution system; or*

(4) *E. coli* is detected in any sample collected in accordance with §D of this regulation.

C. Repair and Disinfection Procedures.

(1) A supplier of water that experiences an outage shall meet all of the following requirements:

- (a) Perform the procedures that are established in ANSI/AWWA C651-14 for each affected area of the distribution system;
- (b) Document any evidence of contamination in writing;
- (c) Disinfect each repair part with a minimum one percent free chlorine solution; and
- (d) Instruct each affected customer to flush each plumbing fixture for at least 5 minutes after water service is restored.

(2) A supplier of water that experiences a flooded well shall perform all of the following requirements:

- (a) Disinfect the flooded well in accordance with ANSI/AWWA C654-13; and
- (b) If water from a flooded well enters a distribution system, the supplier of water shall meet all of the following requirements:
 - (i) Flush each affected area of the distribution system; and
 - (ii) After distribution system flushing is completed, instruct each customer to flush each plumbing fixture for at least 5 minutes.

(3) A supplier of water that experiences water from a flooded spring entering a distribution system shall meet all of the requirements in §C(2)(b) of this regulation.

D. Water Quality Sampling for Outages.

(1) A supplier of water that experiences an outage shall sample each affected area of the distribution system for each of the following:

- (a) Total coliform;
- (b) *E. coli*; and
- (c) If the supplier of water uses chemical disinfection, disinfectant residual at the location where each bacteriological sample is taken.

(2) The supplier of water shall collect the number of samples specified in §E of this regulation and shall gather these samples from different, representative locations in each affected area of the distribution system.

E. Number of Required Samples.

Number of Service Connections Impacted	Number of Samples
1—50	1
51—100	2
101 - 500	3
501 - 1000	4
Over 1,000	Consult with the Approving Authority

F. Water Quality Sampling for Flooded Wells. A supplier of water that experiences a flooded well shall perform all of the following requirements:

- (1) Sample the flooded well for total coliform and *E. coli* in accordance with ANSI/AWWA C654-13; and
- (2) If water from the flooded well enters the distribution system, meet all of the requirements in §§D and E of this regulation.

G. Water Quality Sampling for Flooded Springs. A supplier of water that experiences a flooded spring shall perform all of the following requirements:

- (1) Collect at least 2 total coliform and *E. coli* samples at least 30 minutes apart from the spring after the spring has returned to normal conditions; and
- (2) If water from the flooded spring enters the distribution system, meet all of the requirements in §§D and E of this regulation.

H. Lifting a Public Notice.

(1) A supplier of water may lift a Tier 1 public notice issued pursuant to §B of this regulation and Regulation .20B(1)(i)-(l) of this chapter when all of the following requirements are met:

- (a) Each requirement under §C of this regulation is complete;
- (b) Normal operating conditions have resumed;
- (c) Bacteriological tests under §D of this regulation are negative for total coliform and *E. coli*; and
- (d) For suppliers of water that use chemical disinfection, disinfectant residual tests under §D of this regulation are detectable.

(2) The supplier of water shall submit all of the following documents to the Approving Authority within 10 days after the Tier 1 public notice is lifted:

- (a) Each bacteriological test result under §D of this regulation;
- (b) Each disinfectant residual test result under §D of this regulation;
- (c) A copy of the notice to customers which lifted the Tier 1 public notice; and
- (d) Any other documentation requested by the Approving Authority.

I. Record Keeping.

(1) A supplier of water shall keep a written record of all of the following for 3 years after each event occurs:

- (a) Outages;
- (b) Flooded wells;

- (c) Flooded springs;*
 - (d) Public notices issued pursuant to §§A(2) or B of this regulation;*
 - (e) Bacteriological test results under §D of this regulation;*
 - (f) Disinfectant residual test results under §D of this regulation; and*
 - (g) A copy of the notice to customers which lifted the Tier 1 public notice under §H of this regulation.*
- (2) The supplier of water shall provide the records required under §I(1) of this regulation to the Approving Authority on request.*