

§ 141.706 Requirements for use of an approved laboratory.

(a) *Cryptosporidium*. Systems must have *Cryptosporidium* samples analyzed by a laboratory that has passed a quality assurance evaluation under EPA's Laboratory Quality Assurance Evaluation Program for Analysis of *Cryptosporidium* in Water or a laboratory that has been certified for *Cryptosporidium* analysis by an equivalent State laboratory certification program.

(b) *E. coli*. Any laboratory certified by the EPA, the National Environmental Laboratory Accreditation Conference or the State for total coliform or fecal coliform analysis in source water under § 141.74 is deemed approved for *E. coli* analysis under this subpart when the laboratory uses the same technique for *E. coli* that the laboratory uses for source water in § 141.74.

(c) Turbidity. Measurements of turbidity must be made by a party approved by the State.

§ 141.707 Reporting source water monitoring results.

(a) All systems serving at least 10,000 people must submit the results of all initial source water monitoring required under § 141.702(a) to EPA electronically at [insert Internet address]. Systems that do not have the ability to submit data electronically may use an alternative format approved by EPA.

(b) Systems serving fewer than 10,000 people must submit the results of all initial source water monitoring required under § 141.702(a)–(b) to the State.

(c) All systems must submit the results from the second round of source water monitoring required under § 141.702(d) to the State.

(d) Source water monitoring analysis results must be submitted not later than ten days after the end of first month following the month when the sample is collected. The submission must include the applicable information in paragraphs (e)(1) and (2) of this section.

(e)(1) Systems must report the following data elements for each *Cryptosporidium* analysis:

- (i) PWS ID
- (ii) Facility ID
- (iii) Sample collection point
- (iv) Sample collection date
- (v) Sample type (field or matrix spike)
- (vi) Sample volume filtered (L), to nearest ¼ L
- (vii) Was 100% of filtered volume examined
- (viii) Number of oocysts counted
- (i) For matrix spike samples, systems must also report the sample volume spiked and estimated number of oocysts spiked. These data are not required for field samples.

(ii) For samples in which less than 10 L is filtered or less than 100% of the sample volume is examined, systems must also report the number of filters used and the packed pellet volume.

(iii) For samples in which less than 100% of sample volume is examined, systems must also report the volume of resuspended concentrate and volume of this resuspension processed through immunomagnetic separation.

(2) Systems must report the following data elements for each *E. coli* analysis:

- (i) PWS ID
- (ii) Facility ID
- (iii) Sample collection point
- (iv) Sample collection date
- (v) Analytical method number
- (vi) Method type
- (vii) Source type
- (viii) *E. coli*/100 mL
- (ix) Turbidity (Systems serving fewer than 10,000 people that are not required to monitor for turbidity under § 141.701(c) are not required to report turbidity with their *E. coli* results.)

§ 141.708 Previously collected data.

(a) Systems may comply with the initial monitoring requirements of § 141.702(a) using *Cryptosporidium* data collected before the system is required to begin monitoring if the system meets the conditions in paragraphs (b) through (h) of this section and EPA notifies the system that the data are acceptable.

(b) To be accepted, previously collected *Cryptosporidium* data must meet the conditions in paragraphs (b)(1) through (5) of this section.

(1) Samples were analyzed by laboratories using one of the analytical methods in paragraphs (b)(1)(i) through (iv) of this section.

(i) *Method 1623: Cryptosporidium and Giardia in Water by Filtration/IMS/FA, 2001, EPA-821-R-01-025.*

(ii) *Method 1622: Cryptosporidium in Water by Filtration/IMS/FA, 2001, EPA-821-R-01-026.*

(iii) *Method 1623: Cryptosporidium and Giardia in Water by Filtration/IMS/FA, 1999, EPA-821-R-99-006.*

(iv) *Method 1622: Cryptosporidium in Water by Filtration/IMS/FA, 1999, EPA-821-R-99-001.*

(2) Samples were collected no less frequently than each calendar month on a regular schedule, beginning no earlier than January 1999.

(3) Samples were collected in equal intervals of time over the entire collection period (e.g., weekly, monthly). Sample collection interval may vary for the conditions specified in § 141.703(c) and (d) if the system provides documentation of the condition.

(4) Samples met the conditions for sampling location specified in § 141.704. The system must report the use of bank filtration, presedimentation, and raw water off-stream storage during sampling.

(5) For each sample, the laboratory analyzed at least 10 L of sample or at least 2 mL of packed pellet or as much volume as could be filtered by 2 filters approved by EPA for the methods listed in paragraph (b)(1) of this section, up to a packed pellet volume of 2 mL.

(c) The system must submit a letter to EPA concurrent with the submission of previously collected data certifying that the data meet the conditions in paragraphs (c)(1) and (2) of this section.

(1) The reported *Cryptosporidium* analysis results include all results generated by the system during the time period beginning with the first reported result and ending with the final reported result. This applies to samples that were collected from the sampling location specified for source water monitoring under this subpart, not spiked, and analyzed using the laboratory's routine process for the analytical methods listed in paragraph (a)(1) of this section.

(2) The samples were representative of a plant's source water(s) and the source water(s) have not changed.

(d) For each sample, the system must report the data elements in § 141.707(e)(1).

(e) The laboratory or laboratories that generated the data must submit a letter to EPA concurrent with the submission of previously collected data certifying that the quality control criteria specified in the methods listed in paragraph (b)(1) of this section were met for each sample batch associated with the previously collected data. Alternatively, the laboratory may provide bench sheets and sample examination report forms for each field, matrix spike, IPR, OPR, and method blank sample associated with the previously collected data.

(f) If a system has at least two years of *Cryptosporidium* data collected before [Date of Publication of Final Rule in the **Federal Register**] and the system intends to use these data to comply with the initial source water monitoring required under § 141.702(a) in lieu of conducting new monitoring, the system must submit to EPA, no later than [Date 2 Months After Date of Publication of Final Rule in the **Federal Register**], the previously collected data and the supporting information specified in this section. EPA will notify the system by [Date 4 Months After Date of Publication of Final Rule in the **Federal Register**] as to whether the data are acceptable. If EPA does not notify the system that the