

Source Water Monitoring Requirements**§ 141.702 Source water monitoring.**

(a) Systems must conduct initial source water monitoring as specified in § 141.701(b) through (f).

(b) Systems serving fewer than 10,000 people that provide filtration or that are unfiltered and required to install filtration must perform *Cryptosporidium* monitoring in accordance with § 141.701(e) if they meet any of the criteria in paragraphs (b)(1) through (4) of this section.

(1) For systems using lake/reservoir sources, an annual mean *E. coli* concentration greater than 10 *E. coli*/100 mL, based on monitoring conducted under this section, unless the State approves an alternative indicator trigger.

(2) For systems using flowing stream sources, an annual mean *E. coli* concentration greater than 50 *E. coli*/100 mL, based on monitoring conducted under this section, unless the State approves an alternative indicator trigger.

(3) If the State approves an alternative to the indicator trigger in paragraph (b)(1) or (b)(2) of this section, an annual concentration that exceeds a State-approved trigger level, including an alternative *E. coli* level, based on monitoring conducted under this section.

(4) The system does not conduct *E. coli* or other State-approved indicator monitoring as specified in § 141.701(e).

(c) Systems may submit *Cryptosporidium* data collected prior to the monitoring start date to meet the initial source water monitoring requirements of paragraphs (a) through (b) of this section. Systems may also use *Cryptosporidium* data collected prior to the monitoring start date to substitute for an equivalent number of months at the end of the monitoring period. All data submitted under this paragraph must meet the requirements in § 141.708.

(d) Systems must conduct a second round of source water monitoring in accordance with the requirements in § 141.701(b) through (e) of this section, beginning no later than the dates specified in paragraphs (d)(1) through (3) of this section, unless they meet the criteria in either paragraph § 141.701(f) or (g).

(1) Systems that serve at least 10,000 people must begin a second round of source water monitoring no later than [Date 108 Months After Date of Publication of Final Rule in the **Federal Register**].

(2) Systems serving fewer than 10,000 people that provide filtration or that are unfiltered and required to install filtration must begin a second round of

source water monitoring no later than [Date 138 Months After Date of Publication of Final Rule in the **Federal Register**] and, if required to monitor for *Cryptosporidium* under paragraph (b) of this section, must begin

Cryptosporidium monitoring no later than [Date 156 Months After Date of Publication of Final Rule in the **Federal Register**].

(3) Systems serving fewer than 10,000 people that are unfiltered and meet the filtration avoidance requirements of § 141.71 must begin a second round of source water monitoring no later than [Date 156 Months After Date of Publication of Final Rule in the **Federal Register**].

§ 141.703 Sampling schedules.

(a) Systems required to sample under §§ 141.701 through 141.702 must submit a sampling schedule that specifies the calendar dates that all required samples will be taken.

(1) Systems serving at least 10,000 people must submit their sampling schedule for initial source water monitoring to EPA electronically at [insert Internet address] no later than [Date 3 Months After Date of Publication of Final Rule in the **Federal Register**].

(2) Systems serving fewer than 10,000 people that are filtered or that are unfiltered and required to install filtration must submit a sampling schedule for initial source water monitoring of *E. coli* or an alternative State-approved indicator to the State no later than [Date 27 Months After Date of Publication of Final Rule in the **Federal Register**].

(3) Filtered systems serving fewer than 10,000 people that are required to conduct *Cryptosporidium* monitoring and unfiltered systems serving fewer than 10,000 people must submit a sampling schedule for initial source water *Cryptosporidium* monitoring to the State no later than [Date 45 Months After Date of Publication of Final Rule in the **Federal Register**].

(4) Systems must submit a sampling schedule for the second round of source water monitoring to the State no later than 3 months prior to the date the system is required to begin the second round of monitoring under § 141.702(d).

(b) Systems must collect samples within two days of the dates indicated in their sampling schedule.

(c) If extreme conditions or situations exist that may pose danger to the sample collector, or which are unforeseen or cannot be avoided and which cause the system to be unable to sample in the required time frame, the system must sample as close to the required date as feasible and submit an explanation for

the alternative sampling date with the analytical results.

(d) Systems that are unable to report a valid *Cryptosporidium* analytical result for a scheduled sampling date due to failure to comply with the analytical method requirements, including the quality control requirements in § 141.705, must collect a replacement sample within 14 days of being notified by the laboratory or the State that a result cannot be reported for that date and must submit an explanation for the replacement sample with the analytical results.

§ 141.704 Sampling locations.

(a) Unless specified otherwise in this section, systems required to sample under §§ 141.701 through 141.702 must collect source water samples from the plant intake prior to any treatment. Where treatment is applied in an intake pipe such that sampling in the pipe prior to treatment is not feasible, systems must collect samples as close to the intake as is feasible, at a similar depth and distance from shore.

(b) *Presedimentation*. Systems using a presedimentation basin must collect source water samples after the presedimentation basin but before any other treatment. Use of presedimentation basins during monitoring must be consistent with routine operational practice and the State may place reporting requirements to verify operational practices. Systems collecting samples after a presedimentation basin may not receive credit for the presedimentation basin under § 141.726(a).

(c) *Raw water off-stream storage*. Systems using an off-stream raw water storage reservoir must collect source water samples after the off-stream storage reservoir. Use of off-stream storage during monitoring must be consistent with routine operational practice and the State may place reporting requirements to verify operational practices.

(d) *Bank filtration*. The required sampling location for systems using bank filtration differs depending on whether the bank filtered water is treated by subsequent filtration for compliance with § 141.173(b) or § 141.552(a), as applicable.

(1) Systems using bank filtered water that is treated by subsequent filtration for compliance with § 141.173(b) or § 141.552(a), as applicable, must collect source water samples from the well (*i.e.*, after bank filtration), but before any other treatment. Use of bank filtration during monitoring must be consistent with routine operational practice and the State may place reporting