

If you are this type of system	Then you must monitor	At these locations for each treatment plant <sup>1</sup>
(8) Consecutive system that buys all its finished water.	as specified in § 141.605(e) .....	—locations recommended to the State in the IDSE report submitted under subpart U.

<sup>1</sup> Unless the State has approved or required other locations or additional locations based on the IDSE report or other information, or you have updated the monitoring plan under § 141.622.

<sup>2</sup> A dual sample set is a set of two samples collected at the same time and same location, with one sample analyzed for TTHM and the other sample analyzed for HAA5.

<sup>3</sup> If you have a single location that has both the highest TTHM LRAA and highest HAA5 LRAA, you may take a dual sample set only at that location after approval by the State.

<sup>4</sup> You are required to sample for both TTHM and HAA5 at one location if that location is the highest for both TTHM and HAA5. If different locations have high TTHM and HAA5 LRAAs, you may sample for TTHM only at the high TTHM location and for HAA5 only at the high HAA5 location. If you have received a very small system waiver for IDSE monitoring from the State under § 141.603(c), you must monitor for TTHM and HAA5 as a dual sample set at the subpart L monitoring location (a point representative of maximum residence time) during the month of warmest water temperature.

(b) You must begin monitoring at the locations you have recommended in your IDSE report submitted under § 141.604 following the schedule in § 141.620(c), unless the State requires other locations or additional locations after its review. If you have received a very small system waiver under § 141.603(c), you must monitor at the location(s) identified in your monitoring plan in § 141.132(f), updated as required by § 141.622.

(c) You must use an approved method listed in § 141.131 for TTHM and HAA5 analyses in this subpart. Analyses must be conducted by laboratories that have received certification by EPA or the State as specified in § 141.131.

#### § 141.622 Subpart V monitoring plan.

(a) You must develop and implement a monitoring plan to be kept on file for State and public review. You may comply by updating the monitoring plan developed under § 141.132(f) no later than the date identified in § 141.620(c) for subpart V compliance. If you have received a very small system waiver under § 141.603(c), you must comply by updating the monitoring plan developed

under § 141.132(f) no later than the date identified in § 141.620(c) for subpart V compliance. The monitoring plan must contain the elements in paragraphs (a)(1) through (a)(5) of this section:

- (1) Monitoring locations;
- (2) Monitoring dates;
- (3) Compliance calculation

procedures;

(4) Monitoring plans for any other systems in the combined distribution system if monitoring requirements have been modified based on data from other systems; and

(5) Any permits, contracts, or agreements with third parties (including other PWSs, laboratories, and State agencies) to sample, analyze, report, or perform any other system requirement in this subpart.

(b) The monitoring plan will reflect the recommendations of the IDSE report required under subpart U, along with any State-mandated modifications. The State must approve any monitoring sites for which you are required to provide a rationale in your IDSE report by § 141.605(a)(4).

(c) If you are a subpart H system serving more than 3,300 people, you

must submit a copy of your monitoring plan to the State prior to the date you are required to comply with the monitoring plan.

(d) You may modify your monitoring plan to reflect changes in treatment, distribution system operations and layout (including new service areas), or other factors that may affect TTHM or HAA5 formation. If you change monitoring locations, you must replace locations with the lowest LRAA and notify the State how new sites were selected as part of the next report due under § 141.630. The State may also require modifications in your monitoring plan.

#### § 141.623 Reduced monitoring.

(a) *Systems other than consecutive systems that buy all their water.* You may reduce monitoring by meeting the criteria in the table in this paragraph at all treatment plants in the system. You may only use data collected under the provisions of this subpart or subpart L of this part to qualify for reduced monitoring.

If you are this type of system	Then you may reduce monitoring if you have monitoring results under § 141.621 and	To reduce monitoring per plant at these locations/frequency	
		TTHM	HAA5
(1) Subpart H serving ≥10,000.	—the LRAA is ≤0.040 mg/L for TTHM and ≤0.030 for HAA5 at ALL monitoring locations, AND —the source water annual average TOC level, before any treatment, is ≤4.0 mg/L at each subpart H treatment plant <sup>1</sup> .	—monitor once per quarter by taking a dual sample set at the location with the highest TTHM LRAA or single measurement.	—monitor once per quarter by taking a dual sample set at the location with the highest HAA5 LRAA or single measurement.
(2) Subpart H serving 500–9,999.	—the LRAA is ≤0.040 mg/L for TTHM and ≤0.030 for HAA5 at ALL monitoring locations, AND  —the source water annual average TOC level, before any treatment, is ≤4.0 mg/L at each subpart H treatment plant <sup>1</sup> .	—monitor once per year by taking a dual sample set at the location with the highest TTHM single measurement during the quarter that the highest single TTHM measurement occurred <sup>2</sup> .	—monitor once per year by taking a dual sample set at the location with the highest HAA5 single measurement during the quarter that the highest single HAA5 measurement occurred <sup>2</sup> .
(3) Subpart H serving <500.	—monitoring may not be reduced to fewer than one TTHM sample and one HAA5 sample per year.	not applicable .....	not applicable.
(4) Ground water serving ≥10,000.	—the LRAA is ≤0.040 mg/L for TTHM and ≤0.030 for HAA5 at ALL monitoring locations.	—monitor once per year by taking a dual sample set at the location with the highest TTHM single measurement during the quarter that the highest single TTHM measurement occurred <sup>2</sup> .	—monitor once per year by taking a dual sample set at the location with the highest HAA5 single measurement during the quarter that the highest single HAA5 measurement occurred <sup>2</sup> .