

## Question 7.4

**Topic:** Reference Methods -- Single-Point Sampling

**Question:** If we can demonstrate non-stratification of stack gases, would we be allowed to apply single point sampling for Reference Methods 3A, 6C, and 7E?

**Answer:** Yes, if the following conditions are met:

(1) If the reference methods are used as backup monitoring systems for obtaining Acid Rain Program data, single-point monitoring is allowed in accordance with the guidelines in Question 19.12.

(2) If the reference methods are used for Part 75 RATA applications, Section 6.5.6 of Appendix A allows single-point sampling if stratification is demonstrated to be absent at the sampling location. A 12-point stratification test is required prior to each RATA. To qualify for single point sampling for a particular gas, Section 6.5.6.3(b) specifies that the concentration at each traverse point must deviate by no more than 5.0% from the arithmetic average concentration for all traverse points. The results are also acceptable if the concentration differs by no more than three ppm or 0.3% CO<sub>2</sub> (or O<sub>2</sub>) from the average concentration for all traverse points. For each pollutant or diluent gas, if these criteria are met, a single sampling point, located along one of the traverse lines used during the stratification test and situated at least 1.0 meter from the stack wall, may be used for the reference method sampling.

**References:** 40 CFR Part 60, Appendix B, PS 2 (3.2)

**History:** First published in Original March 1993 Policy Manual; revised in October 1999 Revised Manual