

Question 4.2

Topic: NO_x CEMS -- Probe Location

Question: What measurement site and sample point location criteria should be used for an installed NO_x CEMS?

Answer: To determine an acceptable CEMS measurement site, follow the guidelines in Sections 8.1, 8.1.1, 8.1.2 of Performance Specification No. 2 (PS No. 2) in Appendix B to 40 CFR 60. Then, use the following guidelines to locate the measurement point(s) or path. For point CEMS (single point or path that is less than ten percent of the equivalent stack diameter), you should locate the probe in accordance with Part 75, Appendix A, Section 1.1.1. For path CEMS, (covering a path which is greater than ten percent of the equivalent stack diameter), you should locate the probe in accordance with Part 75, Appendix A, Section 1.1.2. For multi-point probes, select representative points at a suitable location, such that the CEMS will be able to pass the RATA. Some experimentation with different probe locations and measurement points may be necessary. Candidate measurement points may include the reference method traverse points specified in Section 8.1.3 of PS No. 2.

References: 40 CFR Part 60, Appendix B (PS 2, §§ 8.1, 8.1.1, 8.1.2, 8.1.3); Part 75, Appendix A, Sections 1.1.1, 1.1.2, 6.5

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