

7017.1210 QUALITY ASSURANCE AND CONTROL REQUIREMENTS FOR COMS.

Subpart 1. **Quality assurance plan requirement.** The owner or operator of the facility shall develop and implement a written quality assurance plan which covers each COMS. The plan shall be on site and available for inspection within 60 days after March 8, 1999, or within 30 days after monitor certification, whichever is later. The plan shall be revised as needed in order to keep it up to date with the facility's current policies and procedures. The plan shall contain written procedures which should describe in detail complete, step-by-step procedures and operations for each of the following activities:

- A. calibration of a COMS;
- B. drift determination and adjustment of a COMS;
- C. preventative maintenance of the COMS, including the manufacturer's spare parts list for each COMS, and require that these parts be kept at the facility unless the commissioner gives written approval to exclude specific spare parts from the list. The commissioner may approve requested exclusions if the commissioner determines that it is not reasonable to keep a specific part on site after consideration of the consequences of a malfunction of the part, the likelihood of a malfunction, the time required to obtain the part, and other pertinent factors;
- D. data recording, calculations, and reporting;
- E. accuracy audit procedures; and
- F. program for corrective actions for a malfunctioning COMS.

Subp. 2. **Daily calibration drift assessments and monitor adjustments.** The owner or operator of a COMS shall conduct a daily zero and upscale calibration drift assessment and adjustments according to the requirements of Code of Federal Regulations, title 40, part 60.13(d)(2). The zero and upscale calibration levels must be determined by using the span value specified in the applicable requirement. If the applicable requirement does not specify a span value, a span value of 60, 70, or 80 percent opacity must be used unless an alternative span value is approved by the commissioner.

Subp. 3. **Semiannual calibration error audit.** An initial calibration error audit must be completed on each COMS within 180 days following March 8, 1999, for a COMS which is certified prior to that date, or within 180 days following certification of the COMS for a COMS which is certified on or after that date. An additional calibration error audit is required on each COMS semiannually, and at least three months apart, but no more than eight months apart, except that a calibration error audit need not be conducted during any semiannual period in which the emission unit operated less than 24 hours. The calibration error audit shall be conducted according to the procedures in Code of Federal Regulations, title 40, part 60, appendix B, Performance Specification No. 1, section 7.1.4.

The calibration attenuators (i.e. neutral density filters) shall be selected according to the procedure in section 7.1.2. of Performance Specification No. 1 unless the commissioner determines that other attenuator values are needed to properly measure the accuracy of the monitor because the pertinent opacity limit is unusually high or low. In that case, the commissioner shall specify the appropriate neutral density filter values. The equations contained in Code of Federal Regulations, title 40, part 60, appendix B, Performance Specification No. 1, section 8, shall be used to calculate a COMS audit result. A COMS calibration error audit result shall not exceed three percent opacity.

Subp. 4. **Attenuator calibration.** The owner or operator shall have an independent testing company conduct calibrations of each of the neutral density filters used in the calibration error audit according to the procedure in Code of Federal Regulations, title 40, part 60, appendix B, section 7.1.3., within the time frame of opacity stability guaranteed by the attenuator manufacturer. The manufacturer's guarantee of stability shall be on site available for inspection.

Statutory Authority: *MS s 116.07*

History: *23 SR 1764*

Published Electronically: *March 6, 2009*