

this subpart that applies to you, as specified in Table 4 to this subpart.

(i) For each affected source that is equipped with an add-on APCD that is not addressed in Table 2 to this subpart or that is using process changes as a means of meeting the emission limits in Table 1 to this subpart, you must meet the requirements in § 63.8(f) and paragraphs (i)(1) through (3) of this section.

(1) For sources subject to the THC concentration limit specified in item 3 or 7 of Table 1 to this subpart, you must satisfy the requirements specified in paragraphs (i)(1)(i) through (iii) of this section.

(i) You must install a THC continuous emissions monitoring system (CEMS) at the outlet of the control device or in the stack of the affected source.

(ii) You must meet the requirements specified in Performance Specification (PS) 8 of 40 CFR part 60, appendix B.

(iii) You must meet the requirements specified in Procedure 1 of 40 CFR part 60, appendix F.

(2) For sources subject to the emission limits specified in item 3, 4, 7, or 8 of Table 1 to this subpart, you must submit a request for approval of alternative monitoring methods to the Administrator no later than the submittal date for the Notification of Performance Test, as specified in § 63.9812(d). The request must contain the information specified in paragraphs (i)(2)(i) through (v) of this section.

(i) Description of the alternative add-on APCD or process changes.

(ii) Type of monitoring device or method that will be used, including the sensor type, location, inspection procedures, quality assurance and quality control measures, and data recording device.

(iii) Operating parameters that will be monitored.

(iv) Frequency that the operating parameter values will be determined and recorded to establish continuous compliance with the operating limits.

(v) Averaging time.

(3) You must establish site-specific operating limits during the performance test based on the information included in the approved alternative monitoring methods request and, as applicable, as specified in Table 4 to this subpart.

§ 63.9802 How do I develop an emissions profile?

If you decide to develop an emissions profile for an affected batch process source; as indicated in item 8(a)(i)(4) or 17(b)(i)(4) of Table 4 to this subpart, you must measure and record mass emissions of the applicable pollutant throughout a complete batch cycle of

the affected batch process source according to the procedures described in paragraph (a) or (b) of this section.

(a) If your affected batch process source is subject to the THC concentration limit specified in item 6(a), 7(a), 8, or 9 of Table 1 to this subpart or the THC percentage reduction limit specified in item 6(b) or 7(b) of Table 1 to this subpart, you must measure and record the THC mass emissions rate at the inlet to the control device using the test methods, averaging periods, and procedures specified in items 10(a) and (b) of Table 4 to this subpart for each complete hour of the batch process cycle.

(b) If your affected batch process source is subject to the HF and HCl percentage reduction emission limits in item 11 of Table 1 to this subpart, you must measure and record the HF mass emissions rate at the inlet to the control device through a series of 1-hour test runs according to the test method specified in item 14(a) of Table 4 to this subpart for each complete hour of the batch process cycle.

§ 63.9804 What are my monitoring system installation, operation, and maintenance requirements?

(a) You must install, operate, and maintain each CPMS required by this subpart according to your OM&M plan and the requirements in paragraphs (a)(1) through (15) of this section.

(1) You must satisfy all applicable requirements of performance specifications for CPMS specified in 40 CFR part 60, appendix B, upon promulgation of such performance specifications.

(2) You must satisfy all applicable requirements of quality assurance (QA) procedures for CPMS specified in 40 CFR part 60, appendix F, upon promulgation of such QA procedures.

(3) You must install each sensor of your CPMS in a location that provides representative measurement of the appropriate parameter over all operating conditions, taking into account the manufacturer's guidelines.

(4) You must use a CPMS that is capable of measuring the appropriate parameter over a range that extends from a value of at least 20 percent less than the lowest value that you expect your CPMS to measure, to a value of at least 20 percent greater than the highest value that you expect your CPMS to measure.

(5) You must use a data acquisition and recording system that is capable of recording values over the entire range specified in paragraph (a)(4) of this section.

(6) You must use a signal conditioner, wiring, power supply, and data acquisition and recording system that are compatible with the output signal of the sensors used in your CPMS.

(7) You must perform an initial calibration of your CPMS based on the procedures specified in the manufacturer's owner's manual.

(8) You must use a CPMS that is designed to complete a minimum of one cycle of operation for each successive 15-minute period. To have a valid hour of data, you must have at least three of four equally-spaced data values (or at least 75 percent of the total number of values if you collect more than four data values per hour) for that hour (not including startup, shutdown, malfunction, or out-of-control periods).

(9) You must record valid data from at least 90 percent of the hours during which the affected source or process operates.

(10) You must determine and record the 15-minute block averages of all measurements, calculated after every 15 minutes of operation as the average of the previous 15 operating minutes (not including periods of startup, shutdown, or malfunction).

(11) You must determine and record the 3-hour block averages of all 15-minute recorded measurements, calculated after every 3 hours of operation as the average of the previous 3 operating hours (not including periods of startup, shutdown, or malfunction).

(12) You must record the results of each inspection, calibration, initial validation, and accuracy audit.

(13) At all times, you must maintain your CPMS including, but not limited to, maintaining necessary parts for routine repairs of the CPMS.

(14) You must perform an initial validation of your CPMS under the conditions specified in paragraphs (14)(i) and (ii) of this section.

(i) Prior to the initial performance test on the affected source for which the CPMS is required.

(ii) Within 180 days of your replacing or relocating one or more of the sensors of your CPMS.

(15) Except for redundant sensors, as defined in § 63.9824, any device that you use to conduct an initial validation or accuracy audit of your CPMS must meet the accuracy requirements specified in paragraphs (15)(i) and (ii) of this section.

(i) The device must have an accuracy that is traceable to National Institute of Standards and Technology (NIST) standards.

(ii) The device must be at least three times as accurate as the required accuracy for the CPMS.