(d) Compliance Assurance Monitoring (CAM)

(1) Except for emission units that are exempt under 30 TAC §122.604(c) and (d) (Compliance Assurance Monitoring Applicability), CAM applies to an emission unit at a major source subject to this chapter provided the following criteria:

(A) the emission unit is subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement;

(B) the emission unit uses a control device to achieve compliance with the emission limitation or standard; and

(C) the emission unit has the pre-control device potential to emit greater than or equal to the amount in tons per year required for a site to be classified as a major source.

(2) Applicability for CAM must be determined on a pollutant-by-pollutant basis; therefore, all of the above criteria must be satisfied for a particular pollutant for each emission unit to be subject to CAM for that pollutant. Additional instructions for the addition of CAM into the application may be reviewed in the Municipal Solid Waste Landfill General Operating Permit Statement of Basis.

(e) Compliance Assurance Monitoring Option Tables

CAM Monitoring Options Table

Control Device: All VOC Control Devices (except Carbon Adsorption System)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. VOC Concentration	Small	Use a portable analyzer to monitor VOC concentration at the outlet of the control device. The monitoring device shall be calibrated, operated, and maintained in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated, operated, and maintained accurately. The monitoring device shall meet the requirements of 40 CFR Part 60, Appendix A-7, Method 21, Sections 3.0, 6.0, 8.0, 9.0, and 10.0. However, the words "leak definition" in Method 21 shall be the outlet concentration (which corresponds to the appropriate deviation limit). The calibration gas shall either be representative of the compounds to be measured or shall be methane and shall be at a concentration associated with 125 percent of the expected organic compound concentration level for the control device outlet vent. The probe inlet of the monitoring device shall be placed at approximately the center of the control device outlet vent. The probe shall be held there for at least 5 minutes during which flow into the control device is expected to occur. The maximum reading during that period shall be used as the measurement. Deviation Limit: A maximum VOC concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a	CMG-LF-VO-001

Control Device: All VOC Control Devices (except Carbon Adsorption System) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
VOC Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the concentration of organic compounds in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. Deviation Limit: A maximum VOC rate or concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-VO-002

Control Device: All NO_x Control Devices

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Nitrogen Oxides Concentration	Small	Use a portable analyzer to monitor nitrogen oxides in the exhaust stream of the control device. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide and Oxides of Nitrogen from Stationary Sources for Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). NO_X emissions shall be corrected/calculated in units of the underlying applicable emission limitation (e.g., grams per horsepower-hour, pounds per MMBtu, pounds per hour, etc.). Deviation Limit: The maximum nitrogen oxides rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once per day	n/a*	CMG-LF-NO-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: All NO_x Control Devices (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Nitrogen Oxides Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the concentration of nitrogen oxides and either oxygen or carbon dioxide in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. NO_x emissions shall be corrected/calculated in units of the underlying applicable emission limitation (e.g., grams per horsepower-hour, pounds per MMBtu, pounds per hour, etc.). Deviation Limit: The maximum nitrogen oxides rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	four times per hour	one hour	CMG-LF-NO-002

Control Device: All NO_x Control Devices (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Nitrogen Oxides Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the concentration of nitrogen oxides and either oxygen or carbon dioxide in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. NO_x emissions shall be corrected/calculated in units of the underlying applicable emission limitation (e.g., grams per horsepower-hour, pounds per MMBtu, pounds per hour, etc.). Deviation Limit: The maximum nitrogen oxides rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	four times per hour	one hour	CMG-LF-NO-003

Control Device: Flare

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Pilot Flame	Small/Large	The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. Each monitoring device shall be accurate to within manufacturer's recommendations. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately. Deviation Limit: No pilot flame.	four times per hour	n/a	CMG-LF-FL-001

Control Device: Flare (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
2. Visible Emissions	Small	Visible emissions observations shall be made and recorded in accordance with the requirements specified in 40 CFR § 64.7(c). Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. Deviation Limit: No visible emissions. If visible emissions are observed the permit holder shall either report a deviation or determine visible emissions consistent with Test Method 22.	once per day	n/a	CMG-LF-FL-002

Control Device: Flare (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
3. Inlet Flow Rate, and:	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of span; or • ± 5% of design flow rate. Deviation Limit: A maximum inlet flow rate shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-FL-003

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Flare (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Net Heating Value	Small	Calculate the net heating value of the gas being combusted using the procedures and specifications of 40 CFR § 60.18(f)(3). The sample points shall be installed in the vent stream as near as possible to the flare inlet such that the total vent stream to the flare is measured and analyzed. Deviation Limit: The minimum net heating value of the gas being combusted is 11.2 MJ/scm (300 Btu/scf) for steam- assisted or air-assisted flares. The minimum net heating value of the gas being combusted is 7.45 MJ/scm (200 Btu/scf) for nonassisted flares. The minimum net heating value of the gas being combusted is greater than 37.3 MJ/scm (1,000 Btu/scf) for steam-assisted and nonassisted flares designed for and operated with an exit velocity equal to or greater than 18.3 m/sec (60 ft/sec) but less than 122 m/sec (400 ft/sec).	once per day	n/a*	CMG-LF-FL-004

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Flare (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
4. Inlet Flow Rate, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of span • ± 5% of design flow rate. Deviation Limit: A maximum inlet flow rate shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per day	one hour	CMG-LF-FL-005

Control Device: Flare (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Net Heating Value	Small/Large	A continuous analyzer that provides the net heating value of the gas being combusted using the procedures and specifications of 40 CFR § 60.18(f)(3). The sample points shall be installed in the vent stream as near as possible to the flare inlet such that the total vent stream to the flare is measured and analyzed. Deviation Limit: The minimum net heating value of the gas being combusted is 11.2 MJ/scm (300 Btu/scf) for steam- assisted or air-assisted flares. The minimum net heating value of the gas being combusted is 7.45 MJ/scm (200 Btu/scf) for nonassisted flares. The minimum net heating value of the gas being combusted is greater than 37.3 MJ/scm (1,000 Btu/scf) for steam-assisted and nonassisted flares designed for and operated with an exit velocity equal to or greater than 18.3 m/sec (60 ft/sec) but less than 122 m/sec (400 ft/sec).	four times per hour	one hour	CMG-LF-FL-006

Control Device: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Combustion Temperature/Exhaust Gas Temperature	Small	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ±0.75% of the temperature being measured expressed in degrees Celsius • ±2.5°C. Deviation Limit: A minimum combustion temperature shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-TI-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Combustion Temperature/Exhaust Gas Temperature	Small/Large	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 0.75% of the temperature being measured expressed in degrees Celsius • ± 2.5°C. Deviation Limit: A minimum combustion temperature shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-TI-002

Control Device: Vapor Combustor

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Combustion Temperature/Exhaust Gas Temperature	Small	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum combustion temperature shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-VC-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Vapor Combustor (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Combustion Temperature/Exhaust Gas Temperature	Small/Large	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum combustion temperature shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-VC-002

Control Device: Catalytic Incinerator

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Catalyst Bed Inlet and Outlet Gas Temperature	Small	The monitoring devices shall be installed in the inlet to and exit of the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 0.75% of the temperature being measured expressed in degrees Celsius • ± 2.5°C. Deviation Limit: A minimum temperature difference across the inlet and outlet of the catalyst bed shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CI-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Catalytic Incinerator (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Catalyst Bed Inlet and Outlet Gas Temperature	Small/Large	The monitoring devices shall be installed in the inlet to and exit of the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 0.75% of the temperature being measured expressed in degrees Celsius • ± 2.5°C. Deviation Limit: A minimum temperature difference across the inlet and outlet of the catalyst bed shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CI-002

Control Device: Steam Generating Unit (Boiler) Process Heater (Design Heat Input Capacity < 44 MW)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Combustion Temperature/Exhaust Gas Temperature	Small	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber into which the volatile organic compound is introduced. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum combustion temperature shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SG-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Steam Generating Unit (Boiler) Process Heater (Design Heat Input Capacity < 44 MW) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Combustion Temperature/ Exhaust Gas Temperature	Small/Large	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber into which the volatile organic compound is introduced. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum combustion temperature shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SG-002

Control Device: Carbon Adsorption System (Regenerative)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Total Regeneration Stream Mass Flow, and:	Small	Measure and record, during a regeneration cycle, the total regeneration stream mass flow. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 10 percent of span. Deviation Limit: A minimum regeneration stream mass flow shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CA-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Carbon Adsorption System (Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Carbon Bed Temperature	Small	Measure and record, during a regeneration cycle, the carbon bed temperature for the duration of the steaming cycle and to measure the actual bed temperature after regeneration and within 15 minutes of the completing the cooling cycle. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 0.75% of the temperature being measured expressed in degrees Celsius • ± 2.5°C. Deviation Limit: A maximum temperature of the carbon bed after regeneration [and after completion of any cooling cycle(s)] shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CA-002

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Carbon Adsorption System (Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
2. Total Regeneration Stream Mass Flow, and:	Small/Large	Measure and record, during a regeneration cycle, the total regeneration stream mass flow. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 10 percent of span. Deviation Limit: A minimum regeneration stream mass flow shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CA-003

Control Device: Carbon Adsorption System (Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Carbon Bed Temperature	Small/Large	Measure and record, during a regeneration cycle, the carbon bed temperature for the duration of the steaming cycle and to measure the actual bed temperature after regeneration and within 15 minutes of the completing the cooling cycle. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 0.75% of the temperature being measured expressed in degrees Celsius • ± 2.5°C. Deviation Limit: A maximum temperature of the carbon bed after regeneration [and after completion of any cooling cycle(s)] shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CA-004

Control Device: Carbon Adsorption System (Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
3. Total Regeneration Stream Volumetric Flow, and:	Small	Measure and record, during a regeneration cycle, the total regeneration stream volumetric flow. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 10 percent of span. Deviation Limit: A minimum regeneration stream volumetric flow shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CA-005

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Carbon Adsorption System (Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Carbon Bed Temperature	Small	Measure and record, during a regeneration cycle, the carbon bed temperature for the duration of the steaming cycle and to measure the actual bed temperature after regeneration and within 15 minutes of the completing the cooling cycle. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 0.75% of the temperature being measured expressed in degrees Celsius • ± 2.5°C. Deviation Limit: A maximum temperature of the carbon bed after regeneration [and after completion of any cooling cycle(s)] shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CA-006

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Carbon Adsorption System (Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
4. Total Regeneration Stream Volumetric Flow, and:	Small/Large	Measure and record, during a regeneration cycle, the total regeneration stream volumetric flow. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 10 percent of span. Deviation Limit: A minimum regeneration stream volumetric flow shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CA-007

Control Device: Carbon Adsorption System (Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Carbon Bed Temperature	Small/Large	Measure and record, during a regeneration cycle, the carbon bed temperature for the duration of the steaming cycle and to measure the actual bed temperature after regeneration and within 15 minutes of the completing the cooling cycle. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 0.75% of the temperature being measured expressed in degrees Celsius • ± 2.5°C. Deviation Limit: A maximum temperature of the carbon bed after regeneration [and after completion of any cooling cycle(s)] shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CA-008

Control Device: Carbon Adsorption System (Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
5. VOC Concentration	Small	Use a portable analyzer to monitor exhaust gas VOC concentration at the outlet of the carbon adsorption system. The monitoring device shall be calibrated, operated, and maintained in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated, operated, and maintained accurately. The monitoring device shall meet the requirements of 40 CFR Part 60, Appendix A-7, Method 21, Sections 3.0, 6.0, 8.0, 9.0, and 10.0. However, the words "leak definition" in Method 21 shall be the outlet concentration. The calibration gas shall either be representative of the compounds to be measured or shall be methane and shall be at a concentration associated with 125 percent of the expected organic compound concentration level for the carbon adsorber outlet vent. The probe inlet of the monitoring device shall be placed at approximately the center of the carbon adsorber outlet vent. The probe shall be held there for at least 5 minutes during which flow into the carbon adsorber is expected to occur. The maximum reading during that period shall be used as the measurement. Deviation Limit: A maximum VOC concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CA-009

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Carbon Adsorption System (Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
5. VOC Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the concentration of organic compounds in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. Deviation Limit: A maximum VOC rate or concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data for the outlet of the last or final polishing canister in the series of canisters.	four times per hour	one hour	CMG-LF-CA-010

Control Device: Carbon Adsorption System (Non-Regenerative)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Carbon Replacement Interval (Work Practice)	Small/Large	Establish and monitor the replacement time interval of the carbon canister(s), as determined by the maximum design flow rate and organic concentration in the gas stream vented to the carbon adsorption system. Deviation Limit: A minimum carbon replacement interval shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	n/a	n/a	CMG-LF-CA-011

Control Device: Carbon Adsorption System (Non-Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
2. VOC Concentration	Small	Use a portable analyzer to monitor VOC concentration at the outlet of the first, second, etc. canister of the series of canisters but before the inlet to the second, third, etc. or final polishing canister in the series, as appropriate. Once breakthrough has been determined with the portable analyzer for the first, second, etc. canister, use the portable analyzer to monitor VOC concentration at the outlet of the last or final polishing canister in the series until the first, second, etc. canister is replaced. The monitoring device shall be calibrated, operated, and maintained in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated, operated, and maintained accurately. The monitoring device shall meet the requirements of 40 CFR Part 60, appendix A-7, Method 21, Sections 3.0, 6.0, 8.0, 9.0, and 10.0. However, the words "leak definition" in Method 21 shall be the outlet concentration. The calibration gas shall either be representative of the compounds to be measured or shall be methane and shall be at a concentration associated with 125 percent of the expected organic compound concentration level for the carbon adsorber outlet vent. The probe inlet of the monitoring device shall be placed at approximately the center of the carbon adsorber vent. The probe shall be held there for at least 5 minutes during which flow into the carbon adsorber is expected to occur. The maximum reading during that period shall be used as the measurement. Deviation Limit: A maximum VOC concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data for the outlet of the last or final polishing canister in the series of canisters.	once per day	n/a*	CMG-LF-CA-012

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Carbon Adsorption System (Non-Regenerative) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
2. VOC Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the concentration of organic compounds in the exhaust stream of the control device. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the Performance Specifications of 40 CFR Part 60, Appendix B. Deviation Limit: A maximum VOC rate or concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data for the outlet of the last or final polishing canister in the series of canisters.	four times per hour	one hour	CMG-LF-CA-013

Control Device: Refrigeration Condenser System (Chiller)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Exhaust Gas Temperature	Small	The monitoring device shall be installed at the outlet to the refrigeration condenser system. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A maximum exhaust gas temperature shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-RC-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Refrigeration Condenser System (Chiller) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Exhaust Gas Temperature	Small/Large	The monitoring device shall be installed at the outlet to the refrigeration condenser system. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A maximum exhaust gas temperature shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-RC-002

Control Device: Selective Catalytic Reduction

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Injection Nozzle Flow Rate	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of span • ± 5% of design flow rate. Deviation Limit: A minimum flow rate shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-002

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
2. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-003

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Injection Nozzle Flow Rate	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of span • ± 5% of design flow rate. Deviation Limit: A minimum flow rate shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-004

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
3. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-005

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Injection Nozzle Supply Pressure	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 5% of span • ± 5% of design supply pressure. Deviation Limit: A minimum supply pressure shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-006

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
4. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-007

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Injection Nozzle Supply Pressure	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 5% of span • ± 5% of design supply pressure. Deviation Limit: A minimum supply pressure shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-008

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
5. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-009

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Oxygen Concentration	Small	Use a portable analyzer to monitor oxygen concentration in the inlet flue gas to the catalyst bed. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data	once per day	n/a*	CMG-LF-SC-010

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
6. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-011

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Oxygen Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the inlet oxygen concentration to the catalyst bed. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-012

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
7. Injection Nozzle Flow Rate, and:	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of span • ± 5% of design flow rate. Deviation Limit: A minimum flow rate shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-013

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Oxygen Concentration	Small	Use a portable analyzer to monitor oxygen concentration in the inlet flue gas to the catalyst bed. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-014

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
8. Injection Nozzle Flow Rate, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of span • ± 5% of design flow rate. Deviation Limit: A minimum flow rate shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-015

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Oxygen Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the inlet oxygen concentration to the catalyst bed. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-016

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
9. Injection Nozzle Supply Pressure, and:	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 5% of span • ± 5% of design supply pressure. Deviation Limit: A minimum supply pressure shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-017

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Oxygen Concentration	Small	Use a portable analyzer to monitor oxygen concentration in the inlet flue gas to the catalyst bed. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-018

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
10. Injection Nozzle Supply Pressure, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 5% of span • ± 5% of design supply pressure. Deviation Limit: A minimum supply pressure shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-019

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Oxygen Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the inlet oxygen concentration to the catalyst bed. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-020

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
11. Catalyst Bed Pressure Drop, and:	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 1-inch water gauge pressure (± 250 pascals) • ± 2% of span. Deviation Limit: A minimum and maximum pressure drop shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-021

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Oxygen Concentration	Small	Use a portable analyzer to monitor oxygen concentration in the inlet flue gas to the catalyst bed. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-022

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
12. Catalyst Bed Pressure Drop, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 1 inch water gauge pressure (± 250 pascals) • ± 2% of span. Deviation Limit: A minimum and maximum pressure drop shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-023

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Oxygen Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the inlet oxygen concentration to the catalyst bed. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-024

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
13. Catalytic Bed Pressure Drop, and:	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 1 inch water gauge pressure (± 250 pascals) • ± 2% of span. Deviation Limit: A minimum and maximum pressure drop shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-025

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Gas Temperature	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5°C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SC-026

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
14. Catalytic Bed Pressure Drop, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 1-inch water gauge pressure (± 250 pascals) • ± 2% of span. Deviation Limit: A minimum and maximum pressure drop shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-027

Control Device: Selective Catalytic Reduction (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Gas Temperature	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst bed. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 °C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SC-028

Control Device: Selective Non-Catalytic Reduction (SNRC)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Exhaust Gas Temperature, and:	Small	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading; or • ± 2.5°C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SN-01

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Injection Nozzle Flow Rate	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of span • ± 5% of design flow rate. Deviation Limit: A minimum flow rate shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SN-02

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
2. Exhaust Gas Temperature, and:	Small/Large	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 °C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SN-03

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Injection Nozzle Flow Rate	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of span; or • ± 5% of design flow rate. Deviation Limit: A minimum flow rate shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SN-04

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
3. Exhaust Gas Temperature, and:	Small	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading; or • ± 2.5 °C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SN-05

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Injection Nozzle Supply Pressure	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 5% of span • ± 5% of design supply pressure. Deviation Limit: A minimum supply pressure shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SN-06

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
4. Exhaust Gas Temperature, and:	Small/Large	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 °C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SN-07

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Injection Nozzle Supply Pressure	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 5% of span; or • ± 5% of design supply pressure. Deviation Limit: A minimum supply pressure shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SN-08

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
5. Exhaust Gas Temperature, and:	Small	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 °C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SN-09

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Oxygen Concentration	Small	Use a portable analyzer to monitor oxygen concentration in the exhaust stream. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SN10

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
6. Exhaust Gas Temperature, and:	Small/Large	The monitoring device shall be installed in the combustion chamber or immediately downstream of the combustion chamber. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 °C. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SN-11

Control Device: Selective Non-Catalytic Reduction (SNCR) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Oxygen Concentration	Small/Large	Use a continuous emission monitoring system (CEMS) to measure and record the oxygen concentration in the exhaust stream. The CEMS shall be operated in accordance with the monitoring requirements of 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. Deviation Limit: A minimum and maximum oxygen concentration shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SN-12

Control Device: Steam/Water Injection System

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Steam or Water Flow Rate, and:	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A minimum water or steam to fuel consumption ratio shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SI-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Steam/Water Injection System (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Fuel Consumption	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-SI-002

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Steam/Water Injection System (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
2. Steam or Water Flow Rate, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A minimum water or steam to fuel consumption ratio shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SI-003

Control Device: Steam/Water Injection System (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Fuel Consumption	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-SI-004

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
1. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-001

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_X Concentration	Small	Use method specified in 30 TAC §117.8000(c)(1), (3), (5), and (6) to stack test the unit for NO_x emissions. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-002

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
2. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading; or • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-003

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use method specified in 30 TAC §117.8000(c)(1), (3), (5), and (6) to stack test the unit for NO_x emissions. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-004

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
3. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-005

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small	Use Reference Method 7E or 20 to stack test the unit for NO_x emissions on a biennial calendar basis. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A- 100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-006

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
4. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-007

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use Reference Method 7E or 20 to stack test the unit for NO_x emissions on a biennial calendar basis. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A- 100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-008

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
5. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-009

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small	Use method specified in 30 TAC §117.8000(c)(1), (3), (5), and (6) to stack test the unit for NO_x emissions within 15,000 hours of operation after the previous emission test. Note that the conditions of 30 TAC §117.8140(a)(2)(B)(i) and (ii) apply. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	Every 15,000 hours of operation	n/a*	CMG-LF-CC-010

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
6. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-011

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use method specified in 30 TAC §117.8000(c)(1), (3), (5), and (6) to stack test the unit for NO_x emissions within 15,000 hours of operation after the previous emission test. Note that the conditions of 30 TAC §117.8140(a)(2)(B)(i) and (ii) apply. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	every 15,000 hours of operation	n/a*	CMG-LF-CC-012

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
7. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-013

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small	Use Reference Method 7E or 20 to stack test the unit for NO_x emissions within 15,000 hours of operation after the previous emission test. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. In addition, install and operate an elapsed operating time meter to record hours of operation. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	Every 15,000 hours of operation	n/a*	CMG-LF-CC-014

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
8. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-015

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use Reference Method 7E or 20 to stack test the unit for NO_x emissions within 15,000 hours of operation after the previous emission test. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. In addition, install and operate an elapsed operating time meter to record hours of operation. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement	Every 15,000 hours of operation	n/a*	CMG-LF-CC-016

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
9. Inlet gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-017

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small	Use a portable analyzer to monitor nitrogen oxides and oxygen concentration in the exhaust stream of the control device. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide, and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). NO_x emissions shall be corrected/calculated in units of the underlying applicable emission limitation (grams per horsepower-hour, pounds per MMBtu, pounds per hour). Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once per quarter	n/a*	CMG-LF-CC-018

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
10. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-019

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use a portable analyzer to monitor nitrogen oxides and oxygen concentration in the exhaust stream of the control device. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide, and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). NO_x emissions shall be corrected/calculated in units of the underlying applicable emission limitation (grams per horsepower-hour, pounds per MMBtu, pounds per hour). Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once per quarter	n/a*	CMG-LF-CC-020

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
11. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-021

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Oxygen Concentration	Small	The monitoring device shall measure the oxygen concentration of the oxygen sensor in millivolts or oxygen concentration. The oxygen sensor shall be installed in the engine exhaust at the inlet to the catalyst. The monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately. Deviation Limit: A minimum and maximum oxygen level (measured in millivolts or oxygen concentration) shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-022

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
12. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-023

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Oxygen Concentration	Small/Large	The monitoring device shall measure the oxygen concentration of the oxygen sensor in millivolts or oxygen concentration. The oxygen sensor shall be installed in the engine exhaust at the inlet to the catalyst. The monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications or other written procedures that provide an adequate assurance that the device is calibrated accurately. Deviation Limit: A minimum and maximum oxygen level (measured in millivolts or oxygen concentration) shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-024

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
13. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: The inlet temperature remains >750 degrees Fahrenheit and <1250 degrees Fahrenheit.	once per day	n/a*	CMG-LF-CC-025

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Pressure Drop	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 0.5 inches water gauge pressure (± 125 pascals) • ± 0.5% of span. Deviation Limit: The pressure drop across the catalyst shall not change by more than 2 inches of water at 100% load or ± 10% from the pressure drop across the catalyst measured during the initial performance test.	once per day	n/a*	CMG-LF-CC-026

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
14. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: The inlet temperature remains >750 degrees Fahrenheit and <1250 degrees Fahrenheit.	four times per hour	one hour	CMG-LF-CC-027

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Pressure Drop	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 0.5 inches water gauge pressure ± 125 pascals) • ± 0.5% of span. Deviation Limit: The pressure drop across the catalyst shall not change by more than 2 inches of water at 100% load or ± 10% from the pressure drop across the catalyst measured during the initial performance test.	four times per hour	one hour	CMG-LF-CC-028

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
15. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-029

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use method specified in 30 TAC §117.8000(c)(1), (3), (5), and (6) to stack test unit for NO_x emissions. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-030

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
16. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-031

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use Reference Method 7E or 20 to stack test the unit for NO_x emissions on a biennial calendar basis. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A- 100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-032

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
17. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-033

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use method specified in 30 TAC §117.8000(c)(1), (3), (5), and (6) to stack test the unit for NO_x emissions within 15,000 hours of operation after the previous emission test. Note that the conditions of 30 TAC §117.8140(a)(2)(B)(I) and (ii) must be met. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	Every 15,000 hours of operation	n/a*	CMG-LF-CC-034

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
18. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-035

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use Reference Method 7E or 20 to stack test the unit for NO_x emissions within 15,000 hours of operation after the previous emission test. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. In addition, install and operate an elapsed operating time meter to record hours of operation. Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	every 15,000 hours of operation	n/a*	CMG-LF-CC-036

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
19. Fuel Consumption, and:	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-037

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small	Use a portable analyzer to monitor nitrogen oxides and oxygen concentration in the exhaust stream of the control device. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). NO_x emissions shall be corrected/calculated in units of the underlying applicable emission limitation (grams per horsepower-hour, pounds per MMBtu, pounds per hour). Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once per quarter	n/a*	CMG-LF-CC-038

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
20. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-039

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
NO_x Concentration	Small/Large	Use a portable analyzer to monitor nitrogen oxides and oxygen concentration in the exhaust stream of the control device. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). NO_x emissions shall be corrected/calculated in units of the underlying applicable emission limitation (grams per horsepower-hour, pounds per MMBtu, pounds per hour). Deviation Limit: The maximum NO_x rate or concentration (specified in units of the underlying applicable requirement) is the corresponding nitrogen oxides limit associated with the emission limitation in the underlying applicable requirement.	once per quarter	n/a*	CMG-LF-CC-040

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
21. Fuel Consumption, and:	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-041

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Gas Temperature	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-042

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
22. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-043

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
Inlet Gas Temperature	Small/large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-044

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
23. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-045

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small	Use method specified in 30 TAC § 117.8000(b), (c)(2), (3), (5), and (6) to stack test the unit for CO emissions. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-046

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
24. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-047

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use method specified in 30 TAC § 117.8000(b), (c)(2), (3), (5), and (6) to stack test the unit for CO emissions. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-048

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
25. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-049

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small	Use Reference Method 10 to stack test the unit for CO emissions on a biennial calendar basis. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-050

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
26. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-051

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use Reference Method 10 to stack test the unit for CO emissions on a biennial calendar basis. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-052

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
27. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data	once per day	n/a*	CMG-LF-CC-053

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small	Use method specified in 30 TAC § 117.8000(b), (c)(2), (3), (5), and (6) to stack test the unit for CO emissions within 15,000 hours of operation after the previous emission test. Note that the conditions of 30 TAC § 117.8140(a)(2)(B)(i) and (ii) apply. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	every 15,000 hours of operation	n/a*	CMG-LF-CC-054

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
28. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-055

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use method specified in 30 TAC § 117.8000(b), (c)(2), (3), (5), and (6) to stack test the unit for CO emissions within 15,000 hours of operation after the previous emission test. Note that the conditions of 30 TAC § 117.8140(a)(2)(B)(i) and (ii) apply. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	every 15,000 hours of operation	n/a*	CMG-LF-CC-056

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
29. Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-057

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small	Use Reference Method 10 to stack test the unit for CO emissions on a biennial calendar basis. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	every 15,000 hours of operation	n/a*	CMG-LF-CC-058

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
30. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-059

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use Reference Method 10 to stack test the unit for CO emissions on a biennial calendar basis. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	every 15,000 hours of operation	n/a*	CMG-LF-CC-060

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
31 Inlet Gas Temperature, and:	Small	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-061

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small	Use a portable analyzer to monitor carbon monoxide and oxygen concentration in the exhaust stream of the control device. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide, and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM- 034] (September 8, 1999). CO emissions shall be corrected/calculated in units of the underlying applicable emission limitation (grams per horsepower-hour, pounds per MMBtu, pounds per hour). Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once per quarter	n/a*	CMG-LF-CC-062

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
32. Inlet Gas Temperature, and:	Small/Large	The monitoring device shall be installed to record the inlet flue gas temperature to the catalyst. Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the device is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within one of the following: • ± 2% of reading • ± 2.5 degrees Celsius. Deviation Limit: A minimum and maximum temperature shall be established using the most appropriate of the following: the most recent performance test data, the manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-063

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use a portable analyzer to monitor carbon monoxide and oxygen concentration in the exhaust stream of the control device. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide, and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM- 034] (September 8, 1999). CO emissions shall be corrected/calculated in units of the underlying applicable emission limitation (grams per horsepower-hour, pounds per MMBtu, pounds per hour). Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once per quarter	n/a*	CMG-LF-CC-064

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
33. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-065

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use method specified in 30 TAC § 117.8000(b), (c)(2), (3), (5), and (6) to stack test unit for CO emissions. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-066

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
34. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-067

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use Reference Method 10 to stack test the unit for CO emissions on a biennial calendar basis. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once every two years	n/a*	CMG-LF-CC-068

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
35. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-069

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use method specified in 30 TAC § 117.8000(b), (c)(2), (3), (5), and (6) to stack test the unit for CO emissions within 15,000 hours of operation after the previous emission test. Note that the conditions of 30 TAC § 17.8140(a)(2)(B)(i) and (ii) must be met. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement	every 15,000 hours of operation	n/a*	CMG-LF-CC-070

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
36. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-071

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use Reference Method 10 to stack test the unit for CO emissions within 15,000 hours of operation after the previous emission test. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. In addition, install and operate an elapsed operating time meter to record hours of operation. Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	every 15,000 hours of operation	n/a*	CMG-LF-CC-072

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
37. Fuel Consumption, and:	Small	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5%. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	once per day	n/a*	CMG-LF-CC-073

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small	Use a portable analyzer to monitor carbon monoxide and oxygen concentration in the exhaust stream of the control device. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide, and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). CO emissions shall be corrected/calculated in units of the underlying applicable emission limitation (grams per horsepower-hour, pounds per MMBtu, pounds per hour). Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once per quarter	n/a*	CMG-LF-CC-074

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
38. Fuel Consumption, and:	Small/Large	Each monitoring device shall be calibrated at a frequency in accordance with the manufacturer's specifications, other written procedures that provide an adequate assurance that the fuel flow meter is calibrated accurately, or at least annually, whichever is more frequent, and shall be accurate to within ± 5 percent. Deviation Limit: A maximum fuel consumption limit shall be established using the most appropriate of the following: the most recent performance test data, manufacturer's recommendations, engineering calculations, and/or historical data.	four times per hour	one hour	CMG-LF-CC-075

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.

Control Device: Non-Selective Catalytic Reduction (Catalytic Converters) (continued)

Indicator Monitored	Size	Monitoring Specifications and Procedures	Minimum Freq.	Average	CAM Option No.
CO Concentration	Small/Large	Use a portable analyzer to monitor carbon monoxide and oxygen concentration in the exhaust stream of the control device. The portable analyzer shall be operated in accordance with the Environmental Protection Agency's, Office of Air Quality Planning & Standards, Emission Measurement Center Conditional Test Method - Determination of Oxygen, Carbon Monoxide, and Oxides of Nitrogen from Stationary Sources for Periodic Monitoring (Portable Electrochemical Analyzer Procedure) [CTM-034] (September 8, 1999). CO emissions shall be corrected/calculated in units of the underlying applicable emission limitation (grams per horsepower-hour, pounds per MMBtu, pounds per hour). Deviation Limit: The maximum CO rate or concentration (specified in units of the underlying applicable requirement) is the corresponding carbon monoxide limit associated with the emission limitation in the underlying applicable requirement.	once per quarter	n/a*	CMG-LF-CC-076

*The permit holder may elect to collect monitoring data on a more frequent basis than is required by the minimum frequency and calculate a daily average for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis and shall not be collected and used in particular instances in order to avoid reporting deviations.