§ 52.1181 Interstate pollution.

(a) The requirements of Section 126(a)(1) of the Clean Air Act as amended in 1977 are not met since the state has not submitted to EPA, as a part of its State Implementation Plan, the procedures on which the state is relying to notify nearby states of any proposed major stationary source which may contribute significantly to levels of air pollution in excess of the National Ambient Air Quality Standards in that state.

[46 FR 30084, June 5, 1981]

§ 52.1182 State boards.

(a) The requirements of Section 128 of the Clean Air Act as amended in 1977 are not met since the state has not submitted to EPA, as a part of its State Implementation Plan, the measures on which the state is relying to ensure that the Air Pollution Control Commission contains a majority of members who represent the public interest and do not derive a significant portion of their income from persons subject to permits or enforcement orders under the Act and that the board members adequately disclose any potential conflicts of interest.

[46 FR 30084, June 5, 1981]

§ 52.1183 Visibility protection.

(a) Reasonably Attributable Visibility Impairment. The requirements of section 169A of the Clean Air Act are not met because the plan does not include approvable measures for meeting the requirements of 40 CFR 51.302, 51.305, and 51.307 for protection of visibility in mandatory Class I Federal areas.

(b) Regulation for visibility monitoring and new source review. The provisions of §§52.26 and 52.28 are hereby incorporated and made a part of the applicable plan for the State of Michigan.

(c) Long-term strategy. The provisions of §52.29 are hereby incorporated and made part of the applicable plan for the State of Michigan.

(d) Regional Haze. The requirements of section 169A of the Clean Air Act are not met because the regional haze plan submitted by Michigan on November 5, 2010, does not include fully approvable measures for meeting the requirements of 40 CFR 51.308(d)(3) and 51.308(e) with respect to emissions of NO\(_x\) and SO\(_2\) from electric generating units. EPA has given limited approval and limited disapproval to the plan provisions addressing these requirements.

(e) Measures Addressing Limited Disapproval Associated With NO\(_x\). The deficiencies associated with NO\(_x\) identified in EPA’s limited disapproval of the regional haze plan submitted by Michigan on November 5, 2010, are satisfied by §52.1186.

(f) Measures Addressing Limited Disapproval Associated With SO\(_2\). The deficiencies associated with SO\(_2\) identified in EPA’s limited disapproval of the regional haze plan submitted by Michigan on November 5, 2010, are satisfied by §52.1187.

(g) The requirements of section 169A of the Clean Air Act are not met because the regional haze plan submitted on November 5, 2010, does not meet the best available retrofit technology requirements of 40 CFR 51.308(e) with respect to emissions of NO\(_x\) and SO\(_2\) from Saint Marys Cement in Charlevoix and NO\(_x\) from Escanaba Paper Company in Escanaba. These requirements for these two facilities are satisfied by 40 CFR 52.1183(h) and 40 CFR 52.1183(i), respectively.

(h)(1) For the 30-day period beginning January 1, 2017, and thereafter, Saint Marys Cement, or any subsequent owner or operator of the Saint Marys Cement facility located in Charlevoix, Michigan, shall not cause or permit the emission of oxides of nitrogen (expressed as NO\(_2\)) to exceed 2.80 lb per ton of clinker as a 30-day rolling average.

(2) For the 12-month period beginning January 1, 2017, and thereafter, Saint Marys Cement, or any subsequent owner or operator of the Saint Marys Cement facility located in Charlevoix, Michigan, shall not cause or permit the emission of oxides of nitrogen (expressed as NO\(_2\)) to exceed 2.40 lb per ton of clinker as a 12-month average.

(3) Saint Marys Cement, or any subsequent owner or operator of the Saint Marys Cement facility located in Charlevoix, Michigan, shall not cause or permit the emission of NO\(_x\) (expressed as NO\(_2\)) to exceed 2.40 lb per ton of clinker as a 12-month average.

(4) Saint Marys Cement, or any subsequent owner or operator of the Saint
Marys Cement facility located in Charlevoix, Michigan, shall operate continuous emission monitoring systems to measure NO\textsubscript{X} and SO\textsubscript{2} emissions from its kiln system in conformance with 40 CFR part 60 appendix F procedure 1.

(5) The reference test method for assessing compliance with the limit in paragraph (h)(1) of this section shall be use of a continuous emission monitoring system operated in conformance with 40 CFR part 60, appendix F, procedure 1. A new 30-day average shall be computed at the end of each calendar day in which the kiln operates, based on the following procedure: First, sum the total pounds of NO\textsubscript{X} (expressed as NO\textsubscript{2}) emitted during the operating day and the previous twenty-nine operating days, second, sum the total tons of clinker produced during the same period, and third, divide the total number of pounds by the total clinker produced during the thirty operating days.

(6) The reference test method for assessing compliance with the limit in paragraphs (h)(2) and (h)(3) of this section shall be use of a continuous emission monitoring system operated in conformance with 40 CFR part 60, appendix F, procedure 1. A new 12-month average shall be computed at the end of each calendar month, based on the following procedure: First, sum the total pounds of NO\textsubscript{X} or SO\textsubscript{2}, as applicable, emitted from the unit during the month and the previous eleven calendar months, second, sum the total tons of clinker production during the same period, and third, divide the total number of pounds of emissions of NO\textsubscript{X} or SO\textsubscript{2}, as applicable, by the total clinker production during the twelve calendar months.

(7) Recordkeeping. The owner/operator shall maintain the following records for at least five years:

(i) All CEMS data, including the date, place, and time of sampling or measurement; parameters sampled or measured; and results.

(ii) All records of clinker production, which shall be monitored in accordance with 40 CFR 60.63.

(iii) Records of quality assurance and quality control activities for emissions measuring systems including, but not limited to, any records required by 40 CFR part 60, appendix F, Procedure 1.

(iv) Records of all major maintenance activities conducted on emission units, air pollution control equipment, CEMS and clinker production measurement devices.

(v) Any other records required by 40 CFR part 60, subpart F, or 40 CFR part 60, appendix F, procedure 1.

(8) Reporting. All reports under this section shall be submitted to Chief, Air Enforcement and Compliance Assurance Branch, U.S. Environmental Protection Agency, Region 5, Mail Code AE–17J, 77 W. Jackson Blvd., Chicago, IL 60604–3590.

(i) The owner/operator shall submit quarterly excess emissions reports for SO\textsubscript{2} and NO\textsubscript{X} BART limits no later than the 30th day following the end of each calendar quarter. Excess emissions means emissions that exceed the emissions limits specified in paragraph (h)(1), (h)(2), and (h)(3) of this section. The reports shall include the magnitude, date(s), and duration of each period of excess emissions, specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the unit, the nature and cause of any malfunction (if known), and the corrective action taken or preventative measures adopted.

(ii) Owner/operator of each unit shall submit quarterly CEMS performance reports, to include dates and duration of each period during which the CEMS was inoperative (except for zero and span adjustments and calibration checks), reason(s) why the CEMS was inoperative and steps taken to prevent recurrence, and any CEMS repairs or adjustments.

(iii) The owner/operator shall also submit results of any CEMS performance tests required by 40 CFR part 60, appendix F, Procedure 1 (Relative Accuracy Test Audits, Relative Accuracy Audits, and Cylinder Gas Audits).

(iv) When no excess emissions have occurred or the CEMS has not been inoperative, repaired, or adjusted during the reporting period, such information shall be stated in the quarterly reports required by paragraphs (h)(7)(i) and (ii) of this section.
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(1) Escanaba Paper Company, or any subsequent owner or operator of the Escanaba Paper Company facility in Escanaba, Michigan, shall meet the following requirements and shall not cause or permit the emission of NO\textsubscript{X} (expressed as NO\textsubscript{X}) to exceed the following limits:

(1) For Boiler 8, designated as EU8B13, a rolling 30-day average limit of 0.35 lb per MMBTU.

(2) A continuous emission monitoring system shall be operated to measure NO\textsubscript{X} emissions from Boiler 8 in conformance with 40 CFR part 60, appendix F.

(3) The reference test method for assessing compliance with the limit in paragraph (i)(1) of this section shall be a continuous emission monitoring system operated in conformance with 40 CFR part 60, appendix F. A new 30-day average shall be computed at the end of each calendar day in which the boiler operated, based on the following procedure: first, sum the total pounds of NO\textsubscript{X} emitted from the unit during the operating day and the previous twenty-nine operating days, second sum the total heat input to the unit in MMBTU during the same period, and third, divide the total number of pounds of NO\textsubscript{X} emitted by the total heat input during the thirty operating days.

(4) For Boiler 9, also identified as EU9B03, a limit of 0.27 lb per MMBTU.

(5) The reference test method for assessing compliance with the limit in paragraph (i)(4) of this section shall be a test conducted in accordance with 40 CFR part 60, appendix A, Method 7.

(6) Recordkeeping. The owner/operator shall maintain the following records regarding Boiler 8 and Boiler 9 for at least five years:

(i) All CEMS data, including the date, place, and time of sampling or measurement; parameters sampled or measured; and results.

(ii) All stack test results.

(iii) Daily records of fuel usage, heat input, and data used to determine heat content.

(iv) Records of quality assurance and quality control activities for emissions measuring systems including, but not limited to, any records required by 40 CFR part 60, appendix F, Procedure 1.

(v) Records of all major maintenance activities conducted on emission units, air pollution control equipment, and CEMS.

(vi) Any other records identified in 40 CFR 60.49b(g) or 40 CFR part 60, appendix F, Procedure 1.

(7) Reporting. All reports under this section shall be submitted to the Chief, Air Enforcement and Compliance Assurance Branch, U.S. Environmental Protection Agency, Region 5, Mail Code AE–17J, 77 W. Jackson Blvd., Chicago, IL 60604–3590.

(i) Owner/operator of Boiler 8 shall submit quarterly excess emissions reports for the limit in paragraph (i)(1) no later than the 30th day following the end of each calendar quarter. Excess emissions means emissions that exceed the emissions limit specified in paragraph (i)(1) of this section. The reports shall include the magnitude, date(s), and duration of each period of excess emissions, specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the unit, the nature and cause of any malfunction (if known), and the corrective action taken or preventative measures adopted.

(ii) Owner/operator of Boiler 8 shall submit quarterly CEMS performance reports, to include dates and duration of each period during which the CEMS was inoperative (except for zero and span adjustments and calibration checks or when Boiler 8 is not operating), reason(s) why the CEMS was inoperative and steps taken to prevent recurrence, and any CEMS repairs or adjustments.

(iii) Owner/operator of Boiler 8 shall also submit results of any CEMS performance tests required by 40 CFR part 60, appendix F, procedure 1 (Relative Accuracy Test Audits, Relative Accuracy Audits, and Cylinder Gas Audits).

(iv) When no excess emissions have occurred or the CEMS has not been inoperative, repaired, or adjusted during the reporting period, such information shall be stated in the quarterly reports required by paragraph (i)(7) of this section.

(v) Owner/operator of Boiler 9 shall submit reports of any compliance test measuring NO\textsubscript{X} emissions from Boiler 9.
within 60 days of the last day of the test. If owner/operator commences operation of a continuous NOx emission monitoring system for Boiler 9, owner/operator shall submit reports for Boiler 9 as specified for Boiler 8 in paragraphs (i)(7)(i) to (i)(7)(iv) of this section.

(j) [Reserved]

(k) Tilden Mining Company, or any subsequent owner/operator of the Tilden Mining Company facility in Ishpeming, Michigan, shall meet the following requirements:

(1) NOx Emission Limits. An emission limit of 1.5 lbs NOx/MMBtu, based on a 30-day rolling average, shall apply to the indurating furnace, Grate Kiln Line 1 (EUKILN1), beginning 26 months from March 8, 2013. However, for any 30, or more, consecutive days when only natural gas is used a limit of 1.2 lbs NOx/MMBtu, based on a 30-day rolling average, shall apply.

(2) SO2 Emission Limits. A fuel sulfur content limit of no greater than 1.20 percent sulfur content by weight shall apply to fuel combusted in Process Boiler #1 (EUBOILER1) and Process Boiler #2 (EUBOILER2) beginning 3 months from March 8, 2013. A fuel sulfur content limit of no greater than 1.50 percent sulfur content by weight shall apply to fuel combusted in the Line 1 Dryer (EUDRYER1) beginning 3 months from March 8, 2013. The sampling and calculation methodology for determining the sulfur content of fuel must be described in the monitoring plan required at paragraph (n)(8)(x) of this section.

(3) The owner or operator of the facility must switch Grate Kiln Line 1 (EUKILN1) to 100 percent natural gas beginning 1 year from March 8, 2013. For the purposes of CEMS requirements, the compliance date by which the CEMS must be installed and operated for Tilden is one year from March 8, 2013. Within 26 months of March 8, 2013, the owner or operator must calculate and comply with an SO2 limit based on one year of hourly CEMS emissions data reported in lbs SO2/hr and submit such limit, calculations and CEMS data to EPA. This limit shall be calculated in terms of lbs SO2/hr, based on the following equations, with compliance to be determined on a 30-day rolling average.

\[ UPL = x_m = x_{m_i} + m_d \left(x_{m_i+1} - x_{m_i}\right) \]

Where:
- \(m_i\) = the integer portion of \(m\), i.e., \(m\) truncated at zero decimal places, and
- \(m_d\) = the decimal portion of \(m\)

(4) Starting 26 months from March 8, 2013, records shall be kept for any day during which fuel oil is burned as fuel (either alone or blended with other fuels) in Grate Kiln Line 1. These records must include, at a minimum, the gallons of fuel oil burned per hour, the sulfur content of the fuel oil, and the SO2 emissions in pounds per hour.

(5) Starting 26 months from March 8, 2013 for Grate Kiln Line 1, the SO2 limit does not apply for any hour in which it is documented that there is a natural gas curtailment, beyond Cliffs’ control, necessitating that the supply of natural gas to Tilden’s Line 1 indurating furnace is restricted or eliminated. Records must be kept of the cause of the curtailment and duration of such curtailment. During such curtailment, the use of backup coal is restricted to coal with no greater than 0.60 percent sulfur by weight.
(1) **Testing and monitoring.** (1) The owner or operator shall install, certify, calibrate, maintain and operate a Continuous Emissions Monitoring System (CEMS) for NO\textsubscript{X} on Tilden Mining Company unit EUKILN1. Compliance with the emission limits for NO\textsubscript{X} shall be determined using data from the CEMS.

(2) The owner or operator shall install, certify, calibrate, maintain and operate a CEMS for SO\textsubscript{2} on Tilden Mining Company unit EUKILN1. Compliance with the emission standard selected for SO\textsubscript{2} shall be determined using data from the CEMS.

(3) The owner or operator shall install, certify, calibrate, maintain and operate one or more continuous diluent monitor(s) (O\textsubscript{2} or CO\textsubscript{2}) and continuous flow rate monitor(s) on Tilden Mining Company unit EUKILN1 to allow conversion of the NO\textsubscript{X} and SO\textsubscript{2} concentrations to units of the standard (lbs/MMBtu and lbs/hr, respectively) unless a demonstration is made that a diluent monitor and continuous flow rate monitor are not needed for the owner or operator to demonstrate compliance with applicable emission limits in units of the standards.

(4) For purposes of this section, all CEMS required by this section must meet the requirements of paragraphs (l)(4)(i)–(xiv) of this section.

(i) All CEMS must be installed, certified, calibrated, maintained, and operated in accordance with 40 CFR Part 60, Appendix B, Performance Specification 2 (PS–2) and Appendix F, Procedure 1.

(ii) All CEMS associated with monitoring NO\textsubscript{X} (including the NO\textsubscript{X} monitor and necessary diluent and flow rate monitors) must be installed and operational no later than the compliance date for the emission limit identified at (k)(1). All CEMS associated with monitoring SO\textsubscript{2} must be installed and operational no later than twelve months after March 8, 2013.

Verification of the CEMS operational status shall, as a minimum, include completion of the manufacturer’s written requirements or recommendations for installation, operation, and calibration of the devices.

(iii) The owner or operator must conduct a performance evaluation of each CEMS in accordance with 40 CFR Part 60, Appendix B, PS–2. The performance evaluations must be completed no later than 60 days after the respective CEMS installation.

(iv) The owner or operator of each CEMS must conduct periodic Quality Assurance, Quality Control (QA/QC) checks of each CEMS in accordance with 40 CFR Part 60, Appendix F, Procedure 1. The first CEMS accuracy test will be a relative accuracy test audit (RATA) and must be completed no later than 60 days after the respective CEMS installation.

(v) The owner or operator of each CEMS must furnish the Regional Administrator two, or upon request, more copies of a written report of the results of each performance evaluation and QA/QC check within 60 days of completion.

(vi) The owner or operator of each CEMS must check, record, and quantify the zero and span calibration drifts at least once daily (every 24 hours) in accordance with 40 CFR Part 60, Appendix F, Procedure 1.

(vii) Except for CEMS breakdowns, repairs, calibration checks, and zero and span adjustments, all CEMS required by this section shall be in continuous operation during all periods of process operation of the indurating furnaces, including periods of process unit startup, shutdown, and malfunction.

(viii) All CEMS required by this section must meet the minimum data requirements at paragraphs (l)(4)(viii)(A)–(C) of this section.

(A) Complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute quadrant of an hour.

(B) Sample, analyze and record emissions data for all periods of process operation except as described in paragraph (l)(4)(viii)(C) of this section.

(C) When emission data from CEMS are not available due to continuous monitoring system breakdowns, repairs, calibration checks, or zero and span adjustments, emission data must be obtained using other monitoring systems or emission estimation methods approved by the EPA. The other
monitoring systems or emission estimation methods to be used must be incorporated into the monitoring plan required by this section and provide information such that emissions data are available for a minimum of 18 hours in each 24-hour period and at least 22 out of 30 successive unit operating days.

(ix) Owners or operators of each CEMS required by this section must reduce all data to 1-hour averages. Hourly averages shall be computed using all valid data obtained within the hour but no less than one data point in each fifteen-minute quadrant of an hour. Notwithstanding this requirement, an hourly average may be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant in an hour) if data are unavailable as a result of performance of calibration, quality assurance, preventive maintenance activities, or backups of data from data acquisition and handling systems, and recertification events.

(x) The 30-day rolling average emission rate determined from data derived from the CEMS required by this section (in lbs/MMBtu or lbs/hr depending on the emission standard selected) must be calculated in accordance with paragraphs (l)(4)(x)(A)–(F) of this section.

(A) Sum the total pounds of the pollutant in question emitted from the Unit during an operating day and the previous twenty-nine operating days.

(B) Sum the total heat input to the unit (in MMBtu) or the total actual hours of operation (in hours) during an operating day and the previous twenty-nine operating days.

(C) Divide the total number of pounds of the pollutant in question for that day by the total heat input (or actual hours of operation depending on the emission limit selected) during the thirty operating days.

(D) For purposes of this calculation, an operating day is any day during which fuel is combusted in the BART affected Unit regardless of whether pellets are produced. Actual hours of operation are the total hours a unit is firing fuel regardless of whether a complete 24-hour operational cycle occurs (i.e., if the furnace is firing for only 5 hours during a 24-hour period, then the actual operating hours for that day are 5). Similarly, total number of pounds of the pollutant in question for that day is determined only from the CEMS data for the five hours during which fuel is combusted.

(E) If the owner or operator of the CEMS required by this section uses an alternative method to determine 30-day rolling averages, that method must be described in detail in the monitoring plan required by this section. The alternative method will only be applicable if the final monitoring plan and the alternative method are approved by EPA.

(F) A new 30-day rolling average emission rate must be calculated for the period ending each new operating day.

(xi) The 30-day rolling average removal efficiency determined from data derived from the CEMS required by this section must be calculated in accordance with paragraphs (l)(4)(xi)(A)–(G) of this section.

(A) Calculate the 30-day rolling average emission rate described in paragraphs (l)(4)(x)(A)–(F) of this section at the inlet of the control device.

(B) Calculate the 30-day rolling average emission rate described in paragraphs (l)(4)(x)(A)–(F) of this section at the outlet of the control device.

(C) Subtract the 30-day rolling average emission rate determined at the outlet of the control device from the 30-day rolling average emission rate determined at the inlet of the control device.

(D) Divide the result of paragraph (l)(4)(xi)(C) of this section by the 30-day rolling average emission rate determined at the inlet.

(E) Multiply the result of paragraph (l)(4)(xi)(D) of this section by 100 to determine the 3-day rolling average percent removal efficiency.

(F) If the owner or operator of the CEMS required by this section uses an alternative method to determine the 30-day rolling average removal efficiency, that method must be described in detail in the monitoring plan required by this section. The alternative method will only be applicable if the final monitoring plan and the alternative method are approved by EPA.
(G) A new 30-day rolling average removal efficiency must be calculated for each new operating day.

(xii) Data substitution must not be used for purposes of determining compliance under this section.

(xiii) All CEMS data shall be reduced and reported in units of the applicable standard.

(xiv) A Quality Control Program must be developed and implemented for all CEMS required by this section in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 3. The program will include, at a minimum, written procedures and operations for calibration checks, calibration drift adjustments, preventative maintenance, data collection, recording and reporting, accuracy audits/procedures, periodic performance evaluations, and a corrective action program for malfunctioning CEMS.

(m) Recordkeeping requirements. (1)(i) Records required by this section must be kept in a form suitable and readily available for expeditious review.

(ii) Records required by this section must be kept for a minimum of 5 years following the date of creation.

(iii) Records must be kept on site for at least 2 years following the date of creation and may be kept offsite, but readily accessible, for the remaining 3 years.

(2) The owner or operator of the BART affected unit must maintain the records identified in paragraphs (m)(2)(i)-(xi) of this section.

(i) A copy of each notification and report developed for and submitted with this section including all documentation supporting any initial notification or notification of compliance status submitted, according to the requirements of this section.

(ii) Records of the occurrence and duration of each startup, shutdown, and malfunction of the BART affected unit, air pollution control equipment, and CEMS required by this section.

(iii) Records of activities taken during each startup, shutdown, and malfunction of the BART affected unit, air pollution control equipment, and CEMS required by this section.

(iv) Records of the occurrence and duration of all major maintenance conducted on the BART affected unit, air pollution control equipment, and CEMS required by this section.

(v) Records of each excess emission report, including all documentation supporting the reports, dates and times when excess emissions occurred, investigations into the causes of excess emissions, actions taken to minimize or eliminate the excess emissions, and preventative measures to avoid the cause of excess emissions from occurring again.

(vi) Records of all CEMS data including, as a minimum, the date, location, and time of sampling or measurement, parameters sampled or measured, and results.

(vii) All records associated with quality assurance and quality control activities on each CEMS as well as other records required by 40 CFR Part 60, Appendix F, Procedure 1 including, but not limited to, the quality control program, audit results, and reports submitted as required by this section.

(viii) Records of the NO\(_X\) emissions during all periods of BART affected unit operation, including startup, shutdown and malfunction, in the units of the standard. The owner or operator shall convert the monitored data into the appropriate unit of the emission limitation using appropriate conversion factors and F-factors. F-factors used for purposes of this section shall be documented in the monitoring plan and developed in accordance with 40 CFR Part 60, Appendix A, Method 19. The owner or operator may use an alternate method to calculate the NO\(_X\) emissions upon written approval from EPA.

(ix) Records of the SO\(_2\) emissions or records of the removal efficiency (based on CEMS data), depending on the emission standard selected, during all periods of operation, including periods of startup, shutdown and malfunction, in the units of the standard.

(x) Records associated with the CEMS unit including type of CEMS, CEMS model number, CEMS serial number, and initial certification of each CEMS conducted in accordance with 40 CFR Part 60, Appendix B, Performance Specification 2 must be kept for the life of the CEMS unit.
(xi) Records of all periods of fuel oil usage as required at paragraph (k)(4) of this section.

(n) Reporting requirements. (1) All requests, reports, submittals, notifications, and other communications to the Regional Administrator required by this section shall be submitted, unless instructed otherwise, to the Air and Radiation Division, U.S. Environmental Protection Agency, Region 5 (A–18J) at 77 West Jackson Boulevard, Chicago, Illinois 60604. References in this section to the Regional Administrator shall mean the EPA Regional Administrator for Region 5.

(2) The owner or operator of each BART affected unit identified in this section and CEMS required by this section must provide to the Regional Administrator the written notifications, reports and plans identified at paragraphs (n)(2)(i)–(viii) of this section. If acceptable to both the Regional Administrator and the owner or operator of each BART affected unit identified in this section and CEMS required by this section the owner or operator may provide electronic notifications, reports and plans.

(i) A notification of the date construction of control devices and installation of burners required by this section commences postmarked no later than 30 days after the commencement date.

(ii) A notification of the date the installation of each CEMS required by this section commences postmarked no later than 30 days after the commencement date.

(iii) A notification of the date the construction of control devices and installation of burners required by this section is complete postmarked no later than 30 days after the completion date.

(iv) A notification of the date the installation of each CEMS required by this section is complete postmarked no later than 30 days after the completion date.

(v) A notification of the date control devices and burners installed by this section startup postmarked no later than 30 days after the startup date.

(vi) A notification of the date CEMS required by this section startup posted no later than 30 days after the startup date.

(vii) A notification of the date upon which the initial CEMS performance evaluations are planned. This notification must be submitted at least 60 days before the performance evaluation is scheduled to begin.

(viii) A notification of initial compliance, signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the requirements of this section, including, but not limited to, applicable emission standards, control device and burner installations, CEMS installation and certification. This notification must be submitted before the close of business on the 60th calendar day following the completion of the compliance demonstration and must include, at a minimum, the information at paragraphs (n)(2)(vii)(A)–(F) of this section.

(A) The methods used to determine compliance.

(B) The results of any CEMS performance evaluations, and other monitoring procedures or methods that were conducted.

(C) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods.

(D) The type and quantity of air pollutants emitted by the source, reported in units of the standard.

(E) A description of the air pollution control equipment and burners installed as required by this section, for each emission point.

(F) A statement by the owner or operator as to whether the source has complied with the relevant standards and other requirements.

(3) The owner or operator must develop and implement a written startup, shutdown, and malfunction plan for NOx and SO2. The plan must include, at a minimum, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction; and a program of corrective action for a malfunctioning process and air pollution control and monitoring equipment used to comply with the relevant standard. The plan must ensure that, at all times, the owner or
operator operates and maintains each affected source, including associated air pollution control and monitoring equipment, in a manner which satisfies the general duty to minimize or eliminate emissions using good air pollution control practices. The plan must ensure that owners or operators are prepared to correct malfunctions as soon as practicable after their occurrence.

(4) The written reports of the results of each performance evaluation and QA/QC check in accordance with and as required by paragraph (l)(4)(v) of this section.

(5) Compliance Reports. The owner or operator of each BART affected unit must submit semiannual compliance reports. The semiannual compliance reports must be submitted in accordance with paragraphs (n)(5)(i) through (iv) of this section, unless the Regional Administrator has approved a different schedule.

(i) The first compliance report must cover the period beginning on the compliance date that is specified for the affected source through June 30 or December 31, whichever date comes first after the compliance date that is specified for the affected source.

(ii) The first compliance report must be postmarked no later than 30 calendar days after the reporting period covered by that report (July 30 or January 30), whichever comes first.

(iii) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(iv) Each subsequent compliance report must be postmarked no later than 30 calendar days after the reporting period covered by that report (July 30 or January 30).

(6) Compliance report contents. Each compliance report must include the information in paragraphs (n)(6)(i) through (vi) of this section.

(i) Company name and address.

(ii) Statement by a responsible official, with the official’s name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(iii) Date of report and beginning and ending dates of the reporting period.

(iv) Identification of the process unit, control devices, and CEMS covered by the compliance report.

(v) A record of each period of a startup, shutdown, or malfunction during the reporting period and a description of the actions the owner or operator took to minimize or eliminate emissions arising as a result of the startup, shutdown or malfunction and whether those actions were or were not consistent with the source’s startup, shutdown, and malfunction plan.

(vi) A statement identifying whether there were or were not any deviations from the requirements of this section during the reporting period. If there were deviations from the requirements of this section during the reporting period, then the compliance report must describe in detail the deviations which occurred, the causes of the deviations, actions taken to address the deviations, and procedures put in place to avoid such deviations in the future. If there were no deviations from the requirements of this section during the reporting period, then the compliance report must include a statement that there were no deviations. For purposes of this section, deviations include, but are not limited to, emissions in excess of applicable emission standards established by this section, failure to continuously operate an air pollution control device in accordance with operating requirements designed to assure compliance with emission standards, failure to continuously operate CEMS required by this section, and failure to maintain records or submit reports required by this section.

(7) Each owner or operator of a CEMS required by this section must submit quarterly excess emissions and monitoring system performance reports to the Regional Administrator for each pollutant monitored for each BART affected unit monitored. All reports must be postmarked by the 30th day following the end of each three-month period of a calendar year (January–March, April–June, July–September, October–December) and must include, at a minimum, the requirements at paragraphs (n)(7)(i)–(xv).

(i) Company name and address.

(ii) Identification and description of the process unit being monitored.
(iii) The dates covered by the reporting period.

(iv) Total source operating hours for the reporting period.

(v) Monitor manufacturer, monitor model number and monitor serial number.

(vi) Pollutant monitored.

(vii) Emission limitation for the monitored pollutant.

(viii) Date of latest CEMS certification or audit.

(ix) A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.

(x) A table summarizing the total duration of excess emissions, as defined at paragraphs (n)(7)(x)(A)–(B) of this section, for the reporting period broken down by the cause of those excess emissions (startup/shutdown, control equipment problems, process problems, other known causes, unknown causes), and the total percent of excess emissions (for all causes) for the reporting period calculated as described at paragraph (n)(7)(x)(C) of this section.

(A) For purposes of this section, an excess emission is defined as any 30-day rolling average period, including periods of startup, shutdown and malfunction, during which the 30-day rolling average emissions of either regulated pollutant (SO\(_2\) and NO\(_X\)), as measured by a CEMS, exceeds the applicable emission standards in this section.

(B) For purposes of this section, if a facility calculates a 30-day rolling average emission rate in accordance with this section which exceeds the applicable emission standards of this section, then it will be considered 30 days of excess emissions. If the following 30-day rolling average emission rate is calculated and found to exceed the applicable emission standards of this section as well, then it will add one more day to the total days of excess emissions (i.e. 31 days). Similarly, if an excess emission is calculated for a 30-day rolling average period and no additional excess emissions are calculated until 15 days after the first, then that new excess emission will add 15 days to the total days of excess emissions (i.e. 30 + 15 = 45). For purposes of this section, if an excess emission is calculated for any period of time within a reporting period, there will be no fewer than 30 days of excess emissions but there should be no more than 121 days of excess emissions for a reporting period.

(C) For purposes of this section, the total percent of excess emissions will be determined by summing all periods of excess emissions (in days) for the reporting period, dividing that number by the total BART affected unit operating days for the reporting period, and then multiplying by 100 to get the total percent of excess emissions for the reporting period. An operating day, as defined previously, is any day during which fuel is fired in the BART affected unit for any period of time. Because of the possible overlap of 30-day rolling average excess emissions across quarters, there are some situations where the total percent of excess emissions could exceed 100 percent. This extreme situation would only result from serious excess emissions problems where excess emissions occur for nearly every day during a reporting period.

(xii) A table summarizing the total duration of monitor downtime, as defined at paragraph (n)(7)(xi)(A) of this section, for the reporting period broken down by the cause of the monitor downtime (monitor equipment malfunctions, non-monitor equipment malfunctions, quality assurance calibration, other known causes, unknown causes), and the total percent of monitor downtime (for all causes) for the reporting period calculated as described at paragraph (n)(7)(xi)(B) of this section.

(A) For purposes of this section, monitor downtime is defined as any period of time (in hours) during which the required monitoring system was not measuring emissions from the BART affected unit. This includes any period of CEMS QA/QC, daily zero and span checks, and similar activities.

(B) For purposes of this section, the total percent of monitor downtime will be determined by summing all periods of monitor downtime (in hours) for the reporting period, dividing that number by the total number of BART affected unit operating hours for the reporting period, and then multiplying by 100 to get the total percent of excess emissions for the reporting period.
(xii) A table which identifies each period of excess emissions for the reporting period and includes, at a minimum, the information in paragraphs (n)(7)(xii)(A)–(F) of this section.
(A) The date of each excess emission.
(B) The beginning and end time of each excess emission.
(C) The pollutant for which an excess emission occurred.
(D) The magnitude of the excess emission.
(E) The cause of the excess emission.
(F) The corrective action taken or preventative measures adopted to minimize or eliminate the excess emissions and prevent such excess emission from occurring again.
(xiii) A table which identifies each period of monitor downtime for the reporting period and includes, at a minimum, the information in paragraphs (n)(7)(xiii)(A)–(D) of this section.
(A) The date of each period of monitor downtime.
(B) The beginning and end time of each period of monitor downtime.
(C) The cause of the period of monitor downtime.
(D) The corrective action taken or preventative measures adopted for system repairs or adjustments to minimize or eliminate monitor downtime and prevent such downtime from occurring again.
(xiv) If there were no periods of excess emissions during the reporting period, then the excess emission report must include a statement which says there were no periods of excess emissions during this reporting period.
(xv) If there were no periods of monitor downtime, except for daily zero and span checks, during the reporting period, then the excess emission report must include a statement which says there were no periods of monitor downtime during this reporting period except for the daily zero and span checks.

(b) The owner or operator of each CEMS required by this section must develop and submit for review and approval by the Regional Administrator a site specific monitoring plan. The purpose of this monitoring plan is to establish procedures and practices which will be implemented by the owner or operator in its effort to comply with the monitoring, recordkeeping and reporting requirements of this section. The monitoring plan must include, at a minimum, the information at paragraphs (n)(8)(i)–(x) of this section.

(i) Site specific information including the company name, address, and contact information.
(ii) The objectives of the monitoring program implemented and information describing how those objectives will be met.
(iii) Information on any emission factors used in conjunction with the CEMS required by this section to calculate emission rates and a description of how those emission factors were determined.
(iv) A description of methods to be used to calculate emission rates when CEMS data is not available due to downtime associated with QA/QC events.
(v) A description of the QA/QC program to be implemented by the owner or operator of CEMS required by this section. This can be the QA/QC program developed in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 3.
(vi) A list of spare parts for CEMS maintained on site for system maintenance and repairs.
(vii) A description of the procedures to be used to calculate 30-day rolling averages and an example calculation which shows the algorithms used by the CEMS to calculate 30-day rolling averages.
(viii) A sample of the document to be used for the quarterly excess emission reports required by this section.
(ix) A description of the procedures to be implemented to investigate root causes of excess emissions and monitor downtime and the proposed corrective actions to address potential root causes of excess emissions and monitor downtime.
(x) A description of the sampling and calculation methodology for determining the percent sulfur by weight as a monthly block average for coal used during that month.

(o) The requirements of section 169A of the Clean Air Act are not met because the regional haze plan submitted by the state on November 5, 2010, does not meet the requirements of 40 CFR 51.308(e) with respect to NOX and SO2.
§ 52.1184 Small business stationary source technical and environmental compliance assistance program.

The Michigan program submitted on November 13, 1992, January 8, 1993, and November 12, 1993, as a requested revision to the Michigan State Implementation Plan satisfies the requirements of section 507 of the Clean Air Act Amendments of 1990.

§ 52.1185 Control strategy: Carbon monoxide.

(a) Approval—On November 24, 1994, the Michigan Department of Natural Resources submitted a revision to the carbon monoxide State Implementation Plan. The submittal pertained to a plan for the implementation and enforcement of the Federal transportation conformity requirements at the State or local level in accordance with 40 CFR part 51, subpart T—Conformity to State or Federal Implementation Plans of Transportation Plans, Programs, and Projects Developed, Funded or Approved Under Title 23 U.S.C. or the Federal Transit Act.

(b) Approval—On November 29, 1994, the Michigan Department of Natural Resources submitted a revision to the carbon monoxide State Implementation Plan for general conformity rules. The general conformity SIP revisions enable the State of Michigan to implement and enforce the Federal general conformity requirements in the non-attainment or maintenance areas at the State or local level in accordance with 40 CFR part 97, subpart B—Determining Conformity of General Federal Actions to State or Federal Implementation Plans.

§ 52.1186 Interstate pollutant transport provisions; What are the FIP requirements for decreases in emissions of nitrogen oxides?

(a)(1) The owner and operator of each source located within the State of Michigan and for which requirements are set forth under the Federal CAIR NO\textsubscript{X} Annual Trading Program in subparts AA through II of part 97 of this chapter must comply with such applicable requirements. The obligation to comply with these requirements in part 97 of this chapter will be eliminated by the promulgation of an approval by the Administrator of a revision to the Michigan State Implementation Plan (SIP) as meeting the requirements of CAIR for PM\textsubscript{2.5} relating to NO\textsubscript{X} under §51.123 of this chapter, except to the extent the Administrator’s approval is partial or conditional or unless such approval is under §51.123(p) of this chapter.

(2) Notwithstanding any provisions of paragraph (a)(1) of this section, if, at the time of such approval of the State’s SIP, the Administrator has already allocated CAIR NO\textsubscript{X} allowances to sources in the State for any years, the provisions of part 97 of this chapter authorizing the Administrator to complete the allocation of CAIR NO\textsubscript{X} allowances for those years shall continue to apply, unless the Administrator approves a SIP provision that provides for the allocation of the remaining CAIR NO\textsubscript{X} allowances for those years.

(b)(1) The owner and operator of each NO\textsubscript{X} source located within the State of Michigan and for which requirements are set forth under the Federal CAIR NO\textsubscript{X} Ozone Season Trading Program in subparts AAAA through IIII of part 97 of this chapter must comply with such applicable requirements. The obligation to comply with these requirements in part 97 of this chapter will be eliminated by the promulgation of an approval by the Administrator of a revision to the Michigan State Implementation Plan (SIP) as meeting the requirements of CAIR for ozone relating to NO\textsubscript{X} under §51.123 of this chapter, except to the extent the Administrator’s approval is partial or conditional or unless such approval is under §51.123(ee) of this chapter.