

REGULATION 7

Standards of Performance for New Affected Facilities

REGULATION 7.01 General Provisions

Air Pollution Control District of Jefferson County Jefferson County, Kentucky

Relates To: KRS Chapter 77 Air Pollution Control

Pursuant To: KRS Chapter 77 Air Pollution Control

Necessity and Function: KRS 77.180 provides that the Air Pollution Control Board may make and enforce all needful orders, rules, and regulations necessary or proper to accomplish the purposes of KRS Chapter 77. This regulation establishes the general provisions for the application of standards of performance for new affected facilities.

SECTION 1 Applicability

Unless specifically exempted in Regulation 2.02, this regulation applies to any affected facility the construction, modification, or reconstruction of which is commenced on or after the effective date of an applicable standard of performance in this regulation.

SECTION 2 Permits Required

Unless specifically exempted, all affected facilities must obtain a permit issued by the District pursuant to Regulation 2.

SECTION 3 Reporting and Recordkeeping

Notwithstanding the provisions of this regulation for specific sources or Regulation 2:

- 3.1 Any owner or operator subject to this regulation shall furnish the District written notification as follows:
 - 3.1.1 A notification of the anticipated date of initial startup of a new affected facility not more than 60 days or less than 30 days prior to such dates;
 - 3.1.2 A notification of the actual date of initial startup of a new affected facility within 15 days after such date.
- 3.2 Any owner or operator subject to this regulation shall maintain for a period of two years a record of the occurrence and duration of any startup, shutdown, or malfunction in operation of any affected facility.
- 3.3 A written report of excess emissions as defined in applicable subsections shall be submitted to the District by each owner or operator for each calendar quarter. The report shall include the magnitude of excess emissions as measured by the required monitoring equipment reduced to the units of the applicable standard, the date, and time of commencement and completion of each period of excess emissions. Periods of excess emissions due to startup, shutdown, and malfunction shall be specifically identified. The nature and cause of any malfunction (if known), and corrective action taken, or preventive measures adopted shall be reported. Each quarterly report is due by the 30th day following the end of the calendar

quarter. Reports are not required for any quarter unless there have been periods of excess emissions.

- 3.4 Any owner or operator subject to this regulation shall maintain a file of all measurements, including monitoring and performance testing measurements, and all other reports and records required by all applicable subsections. Any such measurements, reports, and records shall be retained for at least two years following the date of such measurements, reports, and records.
- 3.5 An owner or operator of an affected facility subject to this regulation shall furnish the District, as requested, with all reports on emissions, equipment status, process information, in stack emission monitoring, stack testing, fuels data, and other relevant areas relating to permitted affected facilities in accordance with Regulation 2 and this regulation.

SECTION 4 Performance Tests

- 4.1 Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the District, the owner or operator of any affected facility except those affected facilities specified below shall conduct performance tests according to Regulation 1.04 and furnish the District a written report of the results of such performance tests.
 - 4.1.1 Process operation with a process weight rate of less than 100 tons per hour;
 - 4.1.2 Indirect heat exchanger of 100 million BTU heat input per hour or less;
 - 4.1.3 Incinerator with a charging rate of 45 metric tons per day (50 tons/day) or less; or
 - 4.1.4 Affected facilities specified in Regulations 7.09, 7.12, 7.14, 7.15, 7.16, 7.18, 7.19, 7.20, 7.21, 7.22, 7.23, 7.35, 7.36, 7.52, 7.53, 7.54, 7.57, 7.58, 7.59, 7.60, and 7.61.
- 4.2 The District may require the owner or operator of any affected facility including those specified in sections 4.1.1 through 4.1.4 to conduct performance tests according to Regulation 1.04 and furnish a written report of the results of such performance tests.

SECTION 5 Notification and Recordkeeping

Nothing in this section shall relieve the owner or operator from the responsibility of obtaining the appropriate permits.

- 5.1 Any owner or operator subject to this regulation shall furnish the District written notification as follows:
 - 5.1.1 The date of construction, reconstruction, or modification of an affected facility is commenced, postmarked no later than 30 days after such date;
 - 5.1.2 The anticipated date of initial startup of an affected facility postmarked not more than 60 days nor less than 30 days prior to such date;
 - 5.1.3 The actual date of initial startup of an affected facility postmarked within 15 days after such date;
 - 5.1.4 Any modification of any affected facility. This notice shall be postmarked 60 days, or as soon as practicable before the change is commenced, and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The District may request additional relevant information subsequent to this notice; and

- 5.1.5 The date upon which demonstration of the continuous monitoring system performance test commences in accordance with section 6.3. Notification shall be postmarked not less than 30 days prior to such date.
- 5.2 Any owner or operator subject to the provisions of this regulation shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
- 5.3 Each owner or operator required to install a continuous monitoring system shall submit for every calendar quarter a written report of excess emissions (as defined in applicable sections) to the District. Both a printed report and computer tape or cards shall be furnished in the format specified by the District. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter and shall include the following information:
 - 5.3.1 The magnitude of excess emissions computed in accordance with section 6, any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions;
 - 5.3.2 All hourly averages shall be reported for sulfur dioxide and nitrogen oxides monitors. The hourly averages shall be made available on computer tape or cards;
 - 5.3.3 Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the affected facility. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;
 - 5.3.4 The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
 - 5.3.5 When no excess emissions have occurred or the CEMS has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- 5.4 Any owner or operator subject to this regulation shall maintain a file of all measurements, including CEMS, monitoring device, and performance testing measurements; all CEMS performance evaluations; all CEMS or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this regulation recorded in a permanent form suitable for inspection. The file shall be retained for at least 2 years following the date of such measurements, maintenance, reports and records.

SECTION 6 Monitoring Requirements

- 6.1 Unless otherwise approved by the District or specified in applicable sections, this section shall apply to all CEMS required under this regulation.
- 6.2 All CEMS and monitoring devices shall be installed and operational prior to conducting performance tests under section 4. Verification of operational status shall, as a minimum, consist of the following:
 - 6.2.1 For CEMS in section 6.3.1, completion of the conditioning period specified by applicable requirements in 40 CFR Part 60 Appendix B;
 - 6.2.2 For CEMS referenced in section 6.3.1 of this section, completion of seven days of operation;

- 6.2.3 For monitoring devices referenced in applicable regulations, completion of the manufacturer's written requirements or recommendations for checking the operation of the device.
- 6.3 During any performance tests required under section 4 or within 30 days thereafter and at such other times as may be required by the District, the owner or operator of any affected facility shall conduct CEMS performance evaluations and furnish the District within 60 days thereof a copy of a written report of the results of such tests. These CEMS performance evaluations shall be conducted in accordance with the following specifications and procedures:
 - 6.3.1 Continuous monitoring systems listed within this section except as provided in section 6.3.2 shall be evaluated in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60 Appendix B as follows:
 - 6.3.1.1 Continuous monitoring systems for measuring opacity of emissions shall comply with Performance Specification 1;
 - 6.3.1.2 Continuous monitoring systems for measuring nitrogen oxides emissions shall comply with Performance Specification 2;
 - 6.3.1.3 Monitoring systems for measuring sulfur dioxide emissions shall comply with Performance Specification 2;
 - 6.3.1.4 Continuous monitoring systems for measuring the oxygen content of carbon dioxide content of effluent gases shall comply with Performance Specification 3.

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