

REGULATION 1.04 Performance Tests

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 orders, rules, and regulations necessary or proper to accomplish the purposes of KRS Chapter 77. This regulation establishes procedures for conducting performance tests to demonstrate compliance with the District's regulations.

SECTION 1 Applicability

This regulation applies to any affected facility as defined in Regulation 1.02.

SECTION 2 Test Requirements

- 2.1 The District or the Administrator of the United States Environmental Protection Agency (EPA), for cause, may require the owner or operator of any affected facility to sample emissions in accordance with EPA test method procedures. Alternate procedures may be used in special circumstances upon advance approval by the District or the Administrator of the EPA. All tests shall be made under the direction of persons qualified by training and experience in the field of air pollution control.
- 2.2 The District or the Administrator of the EPA may conduct tests of emissions of air contaminants from any source.
- 2.3 Performance tests required by the District or District regulations shall be conducted and data reduced in accordance with the methods and procedures specified by the District.
- 2.4 The District and the Administrator of the EPA may waive the requirement for performance tests if, in the case of an existing affected facility, the owner or operator proves to the District and the Administrator of the EPA's satisfaction that the test cannot be performed due to physical plant limitations or extreme economic burden.
- 2.5 In the event of the need for certification of a CEMS, the District or the Administrator of the EPA may waive advance notice.
- 2.6 If the affected facility is required to conduct performance testing pursuant to a standard of performance promulgated under 40 CFR Part 60, 40 CFR Part 61, or 40 CFR Part 63, then those specified procedures shall be used unless:
 - 2.6.1 The Administrator of the EPA and the District specify or approve the use of a reference method with minor changes in methodology,
 - 2.6.2 The Administrator of the EPA and the District approve the use of an equivalent method,
 - 2.6.3 The Administrator of the EPA and the District approve the use of an alternative method,

- the results of which have been determined to be adequate for indicating whether a specific source is in compliance, or
- 2.6.4 The Administrator of the EPA and the District waive the requirement for performance tests for an affected facility for which a standard of performance has been promulgated under 40 CFR Part 60, 40 CFR Part 61, or 40 CFR Part 63 because the owner or operator of that affected facility has demonstrated to the agency's satisfaction that the affected facility is deemed to be in compliance with the applicable standard.
- 2.7 Agreements with the facility's owner or operator to modify any test procedures from the Reference Methods of 40 CFR Part 60 Appendix A, 40 CFR Part 61 Appendix B, or 40 CFR Part 63 Appendix A shall be documented in writing.
- 2.8 The owner or operator shall permit the District or the Administrator of the EPA to conduct performance tests at any reasonable time, shall cause the affected facility to be operated for purposes of those tests under the conditions as the District or the Administrator of the EPA may specify based on representative performance of the affected facility, and shall make available to the District those records as may be necessary to determine the performance.
- 2.9 The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows:
- 2.9.1 Sampling ports adequate for test methods applicable to that facility,
- 2.9.2 Safe sampling platforms,
- 2.9.3 Safe access to sampling platforms, and
- 2.9.4 Utilities for sampling and testing equipment.
- 2.10 Each performance test shall consist of separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable regulation. For the purpose of determining compliance with an applicable standard, the arithmetic mean of three runs shall apply. The arithmetic mean shall be determined carrying all significant digits in data and calculations to the final emission rate calculation. The final emission rate shall then be determined by rounding off to the last significant digit of the applicable standard; i.e., dropping the following digit if it is 4 or less, or adding 1 to the last significant digit if the following digit is 5 or greater.
- 2.10.1 Once performance testing has begun, a person conducting the testing shall not halt a sampling run except do to:
- 2.10.1.1 Forced shutdown;
- 2.10.1.2 Failure of an irreplaceable portion of the sample train;
- 2.10.1.3 Extreme meteorological conditions; or
- 2.10.1.4 Unforeseen circumstances beyond the owner's or operator's control.
- 2.10.2 The person conducting the testing shall not halt a sampling run for the purpose of making adjustments to the parameters of the performance test.
- 2.11 If a sample is accidentally lost or conditions occur in which 1 of the 3 runs must be

discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances beyond the owner's or operator's control, then compliance may, upon the District's approval, be determined using the arithmetic mean of the results of the 2 other runs.

SECTION 3 Pre-test Survey And Conference

- 3.1 The owner or operator of an affected facility shall submit a test protocol at least 30 calendar days prior to the projected start date of any performance test. A sample form shall be prepared and made available by the District
- 3.2 A pre-test conference may be arranged 20 working days in advance of the projected starting date for the performance test.
 - 3.2.1 This meeting shall be arranged by District personnel after receiving a test protocol.
 - 3.2.2 The conference shall include a representative from the facility, the test team leader, and the District's selected observer for the proposed test.
- 3.3 The owner or operator of an affected facility shall submit a final "intent to test" notification to the District at least 10 working days prior to the start of the performance test, which shall afford the District the opportunity to have an observer present.

SECTION 4 Notification Waiver

In the event of an emergency or malfunction, the District may waive and of the following:

- 4.1 Notice of intent to test,
- 4.2 The pre-test conference, and
- 4.3 The prior notice requirement of section 3.1.

SECTION 5 Test Report

- 5.1 The owner or operator of an affected facility shall submit a final test report within sixty (60) calendar days of the completion of any performance test.
- 5.2 The final test report shall include all data collected, including data from any aborted or rejected runs, as well as all other data specified in the test protocol for collection such as operating or other parametric data.

Adopted v1/4-19-72; effective 4-19-72; amended v2/9-1-76, v3/4-21-82, v4/11-16-83, v5/12-15-93, v6/11-19-97, v7/06-19-19.

	Date Submitted	Date Approved	Federal Register
Original Reg:	06/29/79	01/25/80	45 FR 6092
1st Revision:	07/19/82	01/11/84	47 FR 1341
2nd Revision:	09/22/98	10/23/01	66 FR 53658
3rd Revision:	09/5/19	07/10/20	85 FR 41399