

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

PART 10. INTERMITTENT TESTING AND SAMPLING

R 336.2003 Performance test criteria.

Rule 1003. (1) Performance tests shall be conducted and data reduced according to the reference test methods listed in R 336.2004, unless the department does any of the following:

(a) Specifies or approves, in specific cases, the use of a reference test method with minor changes in procedures or equipment.

(b) Approves the use of an equivalent method.

(c) Specifies or approves the use of an alternative method if an applicable reference test method does not exist for a specific air contaminant or source of air contaminant.

(2) A performance test shall consist of a minimum of 3 separate samples of a specific air contaminant conducted within a 36- hour period, unless otherwise authorized by the department. Each of the 3 separate samples shall be obtained while the source is operating at a similar production level. For the purpose of determining compliance with an applicable emission limit, rule, or permit condition, the arithmetic mean of results of the 3 samples shall apply. If a sample is accidentally lost or conditions occur in which 1 of the 3 samples must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions, or other circumstances beyond the owner's or operator's control, then compliance may, upon the approval of the department, be determined using the arithmetic mean of the results of 2 samples.

(3) All performance tests shall be conducted while the source of air contaminant is operating at maximum routine operating conditions, or under such other conditions, within the capacity of the equipment, as may be requested by the department. Other conditions may include source operating periods of start-up, shutdown, or such other operations, excluding malfunction, specific to certain sources. Routine operating conditions shall also include those specified within a permit to install or a permit to operate. The owner or operator shall make available to the department such records as may be necessary to determine the conditions of source operation that occurred during the period of time of the performance test.

(4) For any source that is subject to an emission limitation calculated to 50% excess air, the multipoint, integrated sampling procedure of method 3 shall be used for gas analysis. For all other sources that require a determination of the molecular weight of the exhaust, any optional sampling procedure of method 3 may be used. Alternatives or modifications to procedures are subject to the approval of the department.

(5) For reference test methods 5B and 5C, the minimum volume per sample shall be 30 cubic feet of dry gas corrected to standard conditions (70 degrees Fahrenheit, 29.92 in. Hg.). Minimum sample time shall be 60 minutes, which may be continuous or a combination of shorter sampling periods for sources that operate in a cyclic manner. Smaller sampling times or sample volumes, when necessitated by process variables or other factors, may be approved by the department.

History: 1979 ACS 1, Eff. Jan. 19, 1980; 2002 MR 5, Eff. Mar. 19, 2002.