

Annex A

TITLE 25. ENVIRONMENTAL PROTECTION

PART I. DEPARTMENT OF ENVIRONMENTAL PROTECTION

Subpart C. PROTECTION OF NATURAL RESOURCES

ARTICLE III. AIR RESOURCES

CHAPTER 121. GENERAL PROVISIONS

§ 121.1. Definitions.

The definitions in section 3 of the act (35 P. S. § 4003) apply to this article. In addition, the following words and terms, when used in this article, have the following meanings, unless the context clearly indicates otherwise:

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Condensable particulate matter—Material that is vapor phase at stack conditions, but which condenses or reacts, or both, upon cooling and dilution in the ambient air to form solid or liquid particulate matter immediately after discharge from the stack. Note that all condensable particulate matter, if present from a source, is typically in the PM_{2.5} size fraction, and therefore all of it is a component of both primary PM_{2.5} and primary PM-10.

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Filterable particulate matter—Particles directly emitted by a source as a solid or liquid at the stack (or similar release conditions) and captured on the filter of a stack test train.

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CHAPTER 139. SAMPLING AND TESTING

Subchapter A. SAMPLING AND TESTING METHODS AND PROCEDURES

STATIONARY SOURCES

§ 139.12. Emissions of particulate matter.

(a) Tests for determining emissions of **filterable** particulate matter from stationary sources **to demonstrate compliance with the particulate matter emission standards set forth in §§ 123.11—123.13 (relating to combustion units; incinerators; and processes)** shall conform with the following:

(1) Test methods for particulate **matter** emissions shall include dry filters and provide for at least a 95% collection efficiency of particulate matter.

(2) Isokinetic sampling procedures shall be used in sampling for particulate matter emissions and the weight determined gravimetrically after the removal of uncombined water.

(3) Test methods and procedures shall be equivalent to those specified in § 139.4(5) (relating to references). The equipment shall be inert where appropriate and similar to that specified in § 139.4(1).

(4) The minimum sampling time shall be 1 hour or as specified in an applicable standard or by the Department and the minimum sample volume shall be 50 cubic feet or as specified in an applicable standard or by the Department, corrected to standard conditions (dry basis).

(5) Results shall be calculated based upon sample train component weights specified in § 139.4(5). Results shall be reported as pounds of particulate matter per hour and in accordance with the units specified in §§ 123.11—123.13 [(relating to particulate matter emissions)].

(b) The owner or operator of a stationary source subject to emission limitations for PM-10 and PM_{2.5} or to applicability determinations required under Chapter 127, Subchapters D and E (relating to prevention of significant deterioration of air quality; and new source review) shall demonstrate compliance for filterable and condensable PM-10 and PM_{2.5} emissions.

(c) Compliance with a particulate matter emission limitation issued by the Department prior to January 1, 2011, shall not be based on condensable particulate matter unless required by the terms and conditions of a plan approval, operating permit or the State Implementation Plan codified at 40 CFR 52.2020 (relating to identification of plan).

(d) A compliance demonstration required under subsection (b) or (c) shall include the measurement and reporting of filterable and condensable particulate matter. Test methods and procedures shall be equivalent to those specified in § 139.4(5).

Subchapter B. MONITORING DUTIES OF CERTAIN SOURCES

GENERAL

§ 139.53. Filing monitoring reports.

(a) Persons responsible for the operation of sources subject to monitoring requirements established by order, by condition of plan approval or permit or under this subchapter, shall submit periodic reports of the results of tests, samples or observations conducted, obtained or made in accordance with the methods or techniques referenced in § 139.52 (relating to monitoring methods and techniques). The reports shall be:

(1) Submitted on forms supplied or in a format specified by the Department.

(2) Sworn by the person exercising managerial responsibility over the operation of the source for which monitoring is required.

(3) Submitted on the schedule established by order, condition of plan approval or permit or this subchapter.

(4) Submitted to the Regional Air [**Pollution Control Engineer**] **Program Manager** for the region of the Department in which the source is located, **and a copy to the Chief of the Division of Source Testing and Monitoring.**

(b) In addition to the information required by subsection (a) the Department may, by use of a standard form or by written notice, require information regarding test methods, test conditions, operating conditions of the source or other information which may be necessary to properly evaluate the results of emissions monitoring performed at a source.