

## **Chapter 139 -- Sampling and Testing**

### **Subchapter A. Sampling and Testing Methods and Procedures**

#### **GENERAL**

##### **§ 139.1. Sampling facilities.**

Upon the request of the Department, the person responsible for a source shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

##### **§ 139.2. Sampling by others.**

Sampling and testing done by persons other than the Department may be accepted by the Department provided that:

- (1) The Department has been given reasonable notice of the sampling and testing and has been given reasonable opportunity to observe and participate in the sampling and testing.
- (2) The sampling and testing is conducted under the direct supervision of persons qualified, by training and experience, to conduct such sampling and testing.
- (3) Procedures for the sampling and testing are in accord with the provisions of this chapter.
- (4) The reports of the sampling and testing are accurate and comprehensive.

##### **§139.3. General requirements.**

- (a) The Department will use the methods set forth in this chapter to assess emissions from stationary sources or ambient levels of air contaminants.
- (b) The Department has published a supplement to this chapter entitled "Source Testing Manual." This supplement contains detailed information on source test methods, procedures, and guidance for the reporting of emissions to the Department. This supplement is available from the Department by request.
- (c) The performance standards for stationary sources set forth in this chapter permit freedom in the selection of equipment and consistency in obtaining accurate results which are representative of the conditions under which a source is evaluated.
- (d) The sampling and analytical procedures employed to measure ambient levels of air contaminants shall be consistent with obtaining accurate results which are representative of the

conditions being evaluated.

#### **§139.4. References.**

The references referred to in this chapter are as follows:

(1) Standards of Performance for New Stationary Sources, 40 CFR Chapter I, Part 60, Appendix A, Current Edition, Superintendent of Documents, Washington, D.C. 20402-9328.

(2) National Emission Standards for Hazardous Air Pollutants, 40 CFR, Chapter I, Part 61, Appendix B, Current Edition, Superintendent of Documents, Washington, D.C. 20402-9328.

(3) Requirements for Preparation, Adoption, and Submittal of Implementation Plans, 40 CFR, Chapter I, Part 51, Appendix M, Current Edition, Superintendent of Documents, Washington, D.C. 20402-9328.

(4) Standards for the Management of Specific Hazardous Wastes and Specific Types of Hazardous Waste Management Facilities, 40 CFR, Chapter I, Part 266, Appendix IX, Current Edition, Superintendent of Documents, Washington, D.C. 20402-9328.

(5) Source Testing Manual, Commonwealth of Pennsylvania, Department of Environmental Protection, Bureau of Air Quality, Post Office Box 8468, Harrisburg, Pennsylvania 17105-8468, including future revisions as noted in § 139.5(b) (relating to revisions to the source testing manual and continuous source monitoring manual).

(6) Recommended Standard Method for Continuing Dust Fall Survey (APM-1, Revision 1) PR-2 Air Pollution Measurement Commission, J. Air Assoc., 16:372 (1966).

(7) Air Pollution Measurements of the National Air Sampling Network: Analyses of Suspended Particulates 1957-1961, Public Health Service Pub. No. 978, Washington, D.C., 1962.

(8) Interbranch Chemical Advisory Committee, Selected Methods for the Measurement of Air Pollutants, PHS Pub. No. 999-AP-11, Cincinnati, Ohio, 1965, page I-1.

(9) Standard Method of Test for Inorganic Fluoride in the Atmosphere, ASTM Standards on Methods of Atmospheric Sampling and Analyses, Philadelphia, Pennsylvania, 1962, page 67.

(10) Standard Method of Sampling Petroleum and Petroleum Products, American Society for Testing Materials, D 270-80, 1916 Race Street, Philadelphia, Pennsylvania 19103.

(11) Standard Method of Test for Kinematic Viscosity of Transparent and Opaque Liquids (and the calculation of Dynamic Viscosity), American Society for Testing Materials, D 445-79,

1916 Race Street, Philadelphia, Pennsylvania 19103.

(12) Standard Method of Test for Sulfur in Petroleum Products (Lamp Method), American Society for Testing Materials, D 1266-80, 1916 Race Street, Philadelphia, Pennsylvania 19103.

(13) Standard Method of Test for Sulfur in Petroleum Products by the Bomb Method, American Society for Testing Materials, D 129-78, 1916 Race Street, Philadelphia, Pennsylvania 19103.

(14) Standard Method of Test for Sulfur in Petroleum Products (High Temperature Method), American Society for Testing Materials, D 1552-79, 1916 Race Street, Philadelphia, Pennsylvania 19103.

(15) Standard Method of Test for Sulfur in Petroleum Products (X-Ray Spectrographic Method), American Society for Testing Materials, D 2622-77, 1916 Race Street, Philadelphia, Pennsylvania 19103.

(16) Standard Methods for the Examination of Water and Wastewater, 14th Ed., Organic Carbon (total), Combustion-Infrared Method, American Public Health Association, Washington, D.C.

(17) Jacobs, M. B. et al., Ultramicrodetermination of Sulfides in Air, Anal. Chem., 29:1949 (1957).

**§139.5. Revisions to the source testing manual and continuous source monitoring manual.**

(a) This section describes the procedure that the Department will follow to update and revise the "Source Testing Manual" referred to in § 139.4(5) (relating to references) and the "Continuous Source Monitoring Manual" referred to in § 139.102(3) (relating to references).

(b) The Department will provide notice of proposed revisions to the "Source Testing Manual" and the "Continuous Source Monitoring Manual" in the Pennsylvania Bulletin. The notice will describe the proposed revisions and provide the name, address and telephone number of the person from whom the text of the proposed revisions can be obtained.

(c) The Department will provide an opportunity for comments on the proposed revisions. The comment period will be at least 30 days from the date of the publication of the notice required by subsection (b).

(d) After the public comment period, the Department will evaluate the comments and finalize the changes to the "Source Testing Manual" and the "Continuous Source Monitoring Manual."

(e) The Department will provide notice of the revisions to the "Source Testing Manual" and

the "Continuous Source Monitoring Manual" in the Pennsylvania Bulletin. The notice will describe the revisions and provide the name, address and telephone number of the person from whom the revised manual can be obtained.

(f) A person proposing test methods, procedures and guidance for the reporting of emissions different from those contained in the "Source Testing Manual" and the "Continuous Source Monitoring Manual" shall have the burden of proof to demonstrate that test methods, procedures and guidance accurately characterize the emissions from the source.