
RELATES TO: KRS 224.20-100, 224.20-110, 224.20-120
STATUTORY AUTHORITY: KRS 224.10-100
NECESSITY, FUNCTION, AND CONFORMITY: KRS 224.10-100 requires the Environmental and Public Protection Cabinet to prescribe administrative regulations for the prevention, abatement, and control of air pollution. This administrative regulation provides for the incorporation by reference of documents referred to within these administrative regulations.

Section 1. Code of Federal Regulations. (1) The following documents from the "Code of Federal Regulations" which are in effect as of October 1, 1987, are incorporated herein by reference:
(a) 40 C.F.R. 50:
8. Appendix H: Interpretation of the National Ambient Air Quality Standards for Ozone.
10. Appendix K: Interpretation of the National Ambient Air Quality Standards for Particulate Matter.
(b) 40 C.F.R. 58: Appendix B: Quality Assurance Requirements for Prevention of Significant Deterioration (PSD) Air Monitoring.
(c) 40 C.F.R. 60:
1. Appendix A: Reference Methods:
a. Method 1 - Sample and Velocity Traverses for Stationary Sources.
b. Method 2 - Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube).
d. Method 2B - Determination of Exhaust Gas Volume Flow Rate from Gasoline Vapor Incinerators.
e. Method 3 - Gas Analysis for Carbon Dioxide, Oxygen, Excess Air, and Dry Molecular Weight.
f. Method 3A - Determination of Oxygen and Carbon Dioxide Concentrations in Emissions from Stationary Sources (Instrumental Analyzer Procedure).
g. Method 4 - Determination of Moisture Content in Stack Gases.
h. Method 5 - Determination of Particulate Emissions from Stationary Sources.
i. Method 5A - Determination of Particulate Emissions from the Asphalt Processing and Asphalt Roofing Industry.
j. Method 5B - Determination of Nonsulfuric Acid Particulate Matter from Stationary Sources.
k. Method 5D - Determination of Particulate Matter Emissions from Positive Pressure Fabric Filters.

l. Method 5E - Determination of Particulate Emissions from the Wool Fiberglass Insulation Manufacturing Industry.

m. Method 5F - Determination of Nonsulfate Particulate Matter from Stationary Sources.

n. Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources.

o. Method 6A - Determination of Sulfur Dioxide, Moisture, and Carbon Dioxide Emissions from Fossil Fuel Combustion Sources.

p. Method 6B - Determination of Sulfur Dioxide and Carbon Dioxide Daily Average Emissions from Fossil Fuel Combustion Sources.

q. Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources (Instrumental Analyzer Procedure).

r. Method 7 - Determination of Nitrogen Oxide Emissions from Stationary Sources.

s. Method 7A - Determination of Nitrogen Oxide Emissions from Stationary Sources - Ion Chromatographic Method.

t. Method 7B - Determination of Nitrogen Oxide Emissions from Stationary Sources (Ultraviolet Spectrophotometry).

u. Method 7C - Determination of Nitrogen Oxide Emissions from Stationary Sources - Alkaline - Permanganate/Colorimetric Method.

v. Method 7D - Determination of Nitrogen Oxide Emissions from Stationary Sources - Alkaline - Permanganate/Ion Chromatographic Method.

w. Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure).

x. Method 8 - Determination of Sulfuric Acid Mist and Sulfur Dioxide Emissions from Stationary Sources.

y. Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources.

z. Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources.


c. Method 12 - Determination of Inorganic Lead Emissions from Stationary Sources.

d. Method 13A - Determination of Total Fluoride Emissions from Stationary Sources - SPADNS Zirconium Lake Method.

e. Method 13B - Determination of Total Fluoride Emissions from Stationary Sources - Specific Ion Electrode Method.

ff. Method 14 - Determination of Fluoride Emissions from Potroom Roof Monitors for Primary Aluminum Plants.

g. Method 15 - Determination of Hydrogen Sulfide, Carbonyl Sulfide, and Carbon Disulfide Emissions from Stationary Sources.


ii. Method 16 - Semicontinuous Determination of Sulfur Emissions from Stationary Sources.

jj. Method 16A - Determination of Total Reduced Sulfur Emissions from Stationary Sources (Impinger Technique).

kk. Method 16B - Determination of Total Reduced Sulfur Emissions from Stationary Sources.

II. Method 17 - Determination of Particulate Emissions from Stationary Sources (In-stack Filtration Method).

mm. Method 18 - Measurement of Gaseous Organic Compound Emissions by Gas Chromatog-
raphy.


oo. Method 20 - Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines.


ss. Method 24A - Determination of Volatile Matter Content and Density of Printing Inks and Related Coatings.


vv. Method 25B - Determination of Total Gaseous Organic Concentration Using a Nondispersive Infrared Analyzer.


2. Appendix B: Performance Specifications:

a. Performance Specification 1 - Specifications and test procedures for opacity continuous emission monitoring systems in stationary sources.

b. Performance Specification 2 - Specifications and test procedures for sulfur dioxide and nitric oxides continuous emission monitoring systems in stationary sources.

c. Performance Specification 3 - Specifications and test procedures for oxygen and carbon dioxide continuous emission monitoring systems in stationary sources.

d. Performance Specification 4 - Specifications and test procedures for carbon monoxide continuous emission monitoring systems in stationary sources.

e. Performance Specification 5 - Specifications and test procedures for TRS continuous emission monitoring systems in stationary sources.

3. Appendix C: Determination of Emission Rate Change.


(d) 40 C.F.R. 61.

1. Appendix B: Test Methods:

a. Method 101 - Determination of particulate and gaseous mercury emissions from chlor-alkali plants (air streams).

b. Method 101A - Determination of particulate and gaseous mercury emissions from sewage sludge incinerators.

c. Method 102 - Determination of particulate and gaseous mercury emissions from chlor-alkali plants (hydrogen streams).

d. Method 103 - Beryllium screening method.

e. Method 104 - Reference method for determination of beryllium emissions from stationary sources.

f. Method 105 - Determination of mercury in wastewater treatment plant sewage sludges.

g. Method 106 - Determination of vinyl chloride from stationary sources.

h. Method 107 - Determination of vinyl chloride content of in-process wastewater samples, and vinyl chloride content of polyvinyl chloride resin, slurry, wet cake, and latex samples.

i. Method 107A - Determination of vinyl chloride content of solvents, resin-solvent solution, polyvinyl chloride resin, resin slurry, wet resin, and latex samples.
k. Method 108A - Determination of arsenic content in ore samples from nonferrous smelters.
l. Method 111 - Determination of polonium - 210 emissions from stationary sources.

2. Appendix C: Quality Assurance Procedures:
   a. Procedure 1 - Determination of adequate chromatographic peak resolution.
   b. Procedure 2 - Procedure for field auditing GC analysis.

(2) Copies may be obtained from: Office of the Federal Register, National Archives and Records Service, 8th and Pennsylvania Avenue, NW, Washington, D.C. 20408; Phone (202) 523-5215.

Section 2. Association of Official Analytical Chemists. The following document from the Association of Official Analytical Chemists is incorporated herein by reference:
   (2) Copies may be obtained from: Association of Official Analytical Chemists, Box 540, Benjamin Franklin Station, Washington, D.C. 20014; Phone (202) 245-1191.

Section 3. American Society for Testing and Materials. The following documents from the appropriate "Book of ASTM Standards" in which the standard appears from the American Society for Testing and Materials are incorporated herein by reference:
   (1) ASTM Standards:
      (b) A 100-69(74) Standard Specification for Ferrosilicon.
      (c) A 101-73 Standard Specification for Ferrochromium.
      (f) A 495-64(70) Standard Specification for Calcium-Silicon and Calcium-Manganese-Silicon.
      (g) D 86-82 Standard Method for distillation of Petroleum Products.
      (j) D 323-82 Test Method for Vapor Pressure of Petroleum Products (Reid Method).
      (m) D 737-75 Standard Test Method for Air Permeability of Textile Fabrics.
      (q) D 1644-75 Standard Test Methods for Nonvolatile Content of Varnishes.
      (s) D 1945-64(73) Standard Method for Analysis of Natural Gas by Gas Chromatography.
by Gas Chromatography.
  (x) D 2382-83 Standard Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb
    Calorimeter (High-precision Method).
  (y) D 2504-83 Standard Test Method for Noncondensable Gases in C3 and Lighter Hydrocarbon
    Products by Gas Chromatography.
  (bb) D 2879-83 Standard Test Method for Vapor Pressure-Temperature Relationship and Initial
    Decomposition Temperatures of Liquids by Isoteniscope.
  (ee) D 3178-73 Standard Test Methods for Carbon and Hydrogen in the Analysis Sample of
    Coal and Coke.
  (hh) D 4084-82 Standard Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead Ac-
    etate Reaction Rate Method).
  (jj) E 168-67(77) Standard Recommended Practices for General Techniques of Infrared Quantitative
    Analysis.
  (kk) E 169-63(81) Standard Recommended Practices for General Techniques of Ultraviolet
    Quantitative Analysis.
  (ll) E 260-73 Standard Recommended Practice for General Gas Chromatography Procedures.
  (2) Copies may be obtained from: American Society for Testing Materials, 1916 Race Street,
    Philadelphia, Pennsylvania 19103; Phone (215) 299-5400.

Section 4. Technical Association of the Pulp and Paper Industry. The following document from
the Technical Association of the Pulp and Paper Industry (TAPPI) is incorporated herein by refer-
ence:
  (1) T624 os-68 - Analysis of Soda and Sulfate - White and Green Liquors. This reference is also
  (2) Copies may be obtained from: TAPPI, 1 Dunwood Park, Atlanta, Georgia 30341.

Section 5. EPA. The following documents from the U. S. EPA are incorporated herein by refer-
ence:
  (1)(a) Guideline on Air Quality Models (Revised), EPA-450/2-78-027R, OAQPS No. 1.2-080R,
    (b) Workbook for Comparison of Air Quality Models, EPA-450/2-78-028a, OAQPS No. 1.2-097,
    (c) Control of Volatile Organic Compound Leaks from Petroleum Refinery Equipment, Appendix
    (d) Control of Volatile Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection
    (e) Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals, EPA-450/2-77-026,
        OAQPS No. 1.2-082, October, 1977.
    (f) Guidelines for Use of Fluid Modeling to Determine Good Engineering Practice Stack Height,
        EPA 450/4-81-003, PB 82-145327, July, 1981.
    (g) Guidelines for Fluid Modeling of Atmospheric Diffusion, EPA-600/8-81-009, PB 81-201410,
April, 1981.

Section 6. American Association of State Highway and Transportation Officials. The following document from the American Association of State Highway and Transportation Officials (AASH-TO) is incorporated herein by reference:
(1) AASHTO T 59-78 Standard Method of Test for Testing Emulsified Asphalt.
(2) Copies may be obtained from: American Association of State Highway and Transportation Officials, 444 N. Capitol Avenue, Washington, D.C. 20001.

Section 7. Federal Test Method Standard. The following document from the Federal Test Standard is incorporated herein by reference:
(1) Federal Test Method Standard No. 141a, Method 4082.1, "Water in Paints and Varnishes (Karl Fischer Titration Method)."
(2) Single copies may be obtained from:
(a) General Services Administration Regional Offices; or

Section 8. Kentucky Division for Air Quality. The following documents from the Kentucky Division for Air Quality are incorporated herein by reference:
(1)(a) Kentucky Method 50: Kentucky Division of Air Pollution Control Reference Method 50, "Determination of Total Particulate Emissions from Stationary Sources."
(b) Kentucky Method 90: Kentucky Division of Air Pollution Control Reference Method 90, "Determination of Total Gaseous Organic Emissions from Stationary Sources."
(c) Kentucky Method 91: Kentucky Division of Air Pollution Control Reference Method 91, "Alternate Test Method for the Determination of Total Gaseous Organic Emissions from Stationary Sources."
(d) Kentucky Method 95: Kentucky Division of Air Pollution Control Reference Method 95, "Determination of Gasoline Vapor Emissions from Bulk Terminals."
(e) Kentucky Method 130: Kentucky Division of Air Pollution Control Reference Method 130, "Determination of Gaseous Fluoride Emissions from Stationary Sources."
(f) Kentucky Method 150(F-1): Kentucky Division of Air Pollution Control Reference Method 150(F-1), "Visual Determination of Intermittent Opacity Emissions from Stationary Sources."
(2) Copies may be obtained from: Division for Air Quality, 300 Sower Boulevard, Frankfort Kentucky 40601.

Section 9. American National Standards Institute. The following document from the American National Standards Institute is incorporated herein by reference:
(1) Voluntary Product Standard PS 59-73 - Prefinished Hardboard Paneling. This reference is also numbered ANSI A135.5-1973 (American National Standards Institute).
(2) Copies may be obtained from: American National Standards Institute, 1430 Broadway, New York, New York 10018.

Section 10. American Public Health Association. The following document from the American Public Health Association, American Water Works Association and Water Pollution Control Federation is incorporated herein by reference:
(a) Method 209A. Total Residue Dried at 103-105C.
(b) Method 209C. Total Filtrable Residue Dried at 103-105C.
(2) Copies may be obtained from: American Public Health Association, 1015 Fifteenth Street, N.W., Washington, D.C. 20005.

Section 11. American Petroleum Institute. The following document from the American Petroleum Institute is incorporated herein by reference:

(2) Copies may be purchased from: American Petroleum Institute, 1220 L Street N.W., Washington, D.C. 20005.

Section 12. Availability. Copies of the material incorporated by reference in this administrative regulation shall be available for public review at the following offices of the Division for Air Quality:

(1) Director's Office, Division for Air Quality, 300 Sower Boulevard, Frankfort Kentucky 40601, (502) 564-3999;
(2) Ashland Regional Office, 1550 Wolohan Drive, Suite 1 Ashland, Kentucky 41102-8942, (606) 929-5285;
(3) Bowling Green Regional Office, 2642 Russellville Road, Bowling Green, Kentucky 42101, (270) 746-7475;
(4) Florence Regional Office, 8020 Veterans Memorial Drive, Suite 110, Florence, Kentucky 41042, (859) 525-4923;
(5) Frankfort Regional Office, 300 Sower Boulevard, Frankfort Kentucky 40601, (502) 564-3358;
(6) Hazard Regional Office, 233 Birch Street, Suite 2, Hazard, Kentucky 41701, (606) 435-6022;
(7) London Regional Office, 875 S. Main Street, London, Kentucky 40741 (606) 330-2080;
(8) Owensboro Regional Office, 3032 Alvey Park Drive West, Suite 700, Owensboro, Kentucky 42303, (270) 687-7304; and
(9) Paducah Regional Office, 130 Eagle Nest Drive, Paducah, Kentucky 42003, (270) 898-8468. (5 Ky.R. 354; 777; eff. 6-6-1979; 7 Ky.R. 244; eff. 12-3-1980; 8 Ky.R. 1035; 9 Ky.R. 345; eff. 12-3-1980; 10 Ky.R. 628; eff. 3-1-1984; 11 Ky.R. 776; 1045; eff. 1-7-1985; 1450; eff. 6-4-1985; 13 Ky.R. 267; eff. 9-4-1986; 1240; eff. 2-10-1987; 14 Ky.R. 1589; eff. 4-14-1988; 15 Ky.R. 379; eff. 10-26-1988; TAm eff. 8-9-2007; TAm eff. 5-20-2010; TAm eff. 9-16-2013; TAm eff. 7-8-2016; Crt eff. 11-21-2018.)