



COUNTY NOTICES ACCORDING TO A.R.S. § 49-112

This section of the Arizona Administrative Register contains County Notices (according to A.R.S. § 49-112).

Each county writes rules and regulations in its own unique style. Although these notices are published in the Register, they do not conform to the standards specified in

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NOTICE OF FINAL RULEMAKING

PIMA COUNTY CODE

TITLE 17 – AIR QUALITY CONTROL

CHAPTER 4 GENERAL PROVISIONS

CHAPTER 8 AMBIENT AIR QUALITY STANDARDS

CHAPTER 12 PERMITS AND PERMIT REVISIONS

CHAPTER 16 EMISSION LIMITING STANDARDS

[M16-212]

PREAMBLE

<u>1. Sections Affected</u>	<u>Rulemaking Action</u>
PCC 17.04.070	Amend
PCC 17.04.340	Amend
PCC 17.08.020	Amend
PCC 17.08.030	Amend
PCC 17.08.050	Amend
PCC 17.08.060	Amend
PCC 17.08.070	Amend
PCC 17.12.045	Amend
PCC 17.12.180	Amend
PCC 17.12.365	Amend
PCC 17.16.120	Amend
PCC 17.16.490	Amend
PCC 17.16.530	Amend

2. Statutory authority for the rulemaking:

Authorizing Statutes: Arizona Revised Statutes (A.R.S.) §§ 49-471.08 49-402. and 49-479

Implementing Statutes: A.R.S. §§ 49-112, 49-479, and 49-480

3. The effective date of the rule:

September 2, 2016

4. A list of all previous notices appearing in the Register addressing the expedited rule:

Notice of Rulemaking Docket Opening: 22 A.A.R. 1324, May 20, 2016



Notice of Proposed Expedited Rulemaking: 22 A.A.R. 1305, May 20, 2016

5. The name and address of agency personnel with whom persons may communicate regarding the rulemaking:

Name: Sarah Reitmeyer
Address: Pima County DEQ
33 N. Stone Avenue, Suite 700
Tucson, AZ 85701
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E-mail: sarah.reitmeyer@pima.gov

6. An explanation of the rule, including the control officer's reasons for initiating the rule:

The Pima County Board of Supervisors (BOS) as the governing body for the Pima County Air Quality Control District adopts ordinances which are codified in the Pima County Code (PCC). The Pima County Air Quality Control District operates within the Pima County Department of Environmental Quality (PDEQ). PDEQ periodically proposes updates to PCC through the BOS. This rulemaking was adopted to conform to the Code of Federal Regulations (CFR) in an effort to achieve consistency and accuracy in Title 17 of the Pima County Code. The rulemaking adopted new and updated incorporations by reference of the following federal regulations: Acid Rain, National Emission Standards for Hazardous Air Pollutants (NESHAP), New Source Performance Standards (NSPS), National Ambient Air Quality Standards (NAAQS), and other parts of Title 40 CFR. The federal regulations for Acid Rain, NESHAP, and NSPS in effect July 1, 2015 were incorporated and the NAAQS in effect on October 26, 2015 were incorporated. In addition, PDEQ updated definitions, addresses, and minor grammatical updates. The intention in updating the incorporations by reference is to continue its delegated authority from EPA to implement and enforce the Acid Rain, NESHAP, NSPS, and NAAQS programs in Pima County. In addition, PDEQ is updating the definition of "Volatile Organic Compounds (VOC)" to conform to federal regulations. Finally, this rulemaking will update the Mineral Tailings definition at section PCC 17.16.120 of PCC to conform to Arizona Administrative Code Title 18. These updates includes changes to Sections PCC 17.04.070, PCC 17.04.340, PCC 17.08.020, PCC 17.08.030, PCC 17.08.050, PCC 17.08.060, PCC 17.08.070, PCC 17.12.045, PCC 17.12.180, PCC 17.12.365, PCC 17.16.120, PCC 17.16.490, and PCC 17.16.530. PDEQ also made technical changes to Sections 17.04.070 and 17.16.490 to update addresses where publications may be obtained.

Miscellaneous Incorporations by Reference: The provisions in Sections PCC 17.04.070 and PCC 17.12.045 have been updated from February 1, 2008 to July 1, 2015. These provisions are cited throughout Title 17 of the Pima County Code, but are incorporated by reference once for convenience.

VOC Definition: PDEQ is updating its definition of "Volatile Organic Compounds (VOC)" to reflect the changes in the federal definition from 40 CFR 51.100, amended at 73 FR 15620, March 24, 2008, 74 FR 3441, January 21, 2009, and 74 FR 29603, June 23, 2009. These revisions are reflected in the PDEQ definition of VOC at Section PCC 17.04.340.

NAAQS: Federal regulations already incorporated by reference from 40 CFR 50 and all accompanying appendices have been updated to October 26, 2015 at Sections PCC 17.08.020, PCC 17.08.030, PCC 17.08.050, PCC 17.08.060, PCC 17.08.070.



40 CFR 50 National Primary and Secondary Ambient Air Quality Standards Amended:

40 CFR Part 50.11 – National primary and secondary ambient air quality standards for oxides of nitrogen (with nitrogen dioxide as the indicator). [Amended at 75 FR 6531, February 9, 2010].

40 CFR Part 50.19 – National primary and secondary ambient air quality standards for ozone. [Amended at 80 FR 65292, October 26, 2015]

40 CFR Part 50.16 – National primary and secondary ambient air quality standards for lead. [Amended at 73 FR 67051, November 12, 2008].

40 CFR Part 50.17 – National primary ambient air quality standards for sulfur oxides (sulfur dioxide). [Amended at 75 FR 35592, June 22, 2010].

40 CFR Part 50.18 – National primary ambient air quality standards for PM_{2.5}. [Amended at 78 FR 3277, January 15, 2013].

Acid Rain: Federal regulations already incorporated by reference from 40 CFR 72, 74, 75, 76 and all accompanying appendices have been updated from February 1, 2008 to July 1, 2015, at Section PCC 17.12.365.

Mineral Tailings: PDEQ is updating its Mineral Tailings rule to reflect the changes in the state rule from Arizona Administrative Code R18-2-608, amended at 15 A.A.R. 228, March 7, 2009. These revisions are reflected in the PDEQ Mineral Tailings rule at Section PCC 17.16.120.

NESHAP and NSPS: Federal regulations already incorporated by reference from 40 CFR 60, 61 and 63 have been updated from February 1, 2008 to July 1, 2015, at Sections PCC 17.16.490 and PCC 17.16.530.

40 CFR 60 (NSPS) Subparts Added:

Subpart Ga - Standards of Performance for Nitric Acid Plants for Which Construction, Reconstruction, or Modification Commenced After October 14, 2011 [Added at 77 FR 48445, August 14, 2012].

Subpart Ja - Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 - [Added at 73 FR 35867, June 24, 2008], [Amended at 77 FR 56464, September 12, 2012], and [Amended at 78 FR 76756, December 19, 2013].

Subpart Y - Standards of Performance for Coal Preparation and Processing Plants [Added at 74 FR 51977, October 8, 2009].

Subpart BBa - Standards of Performance for Kraft Pulp Mill Affected Sources for Which Construction, Reconstruction, or Modification Commenced After May 23, 2013 [Added at 79 FR 18966, April 4, 2014].

Subpart AAA - Standards of Performance for New Residential Wood Heaters [Added at 80 FR 13702, March 16, 2015].

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines [Added at 73 FR 3591, January 18, 2008].

Subpart LLLL – Standards of Performance for New Sewage Sludge Incineration Units [Added at 76 FR 15372, March 21, 2011].

Subpart OOOO – Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution [Added at 77 FR 49542, August 16, 2012], [Amended at 78 FR 58435 September 23, 2013], and [Amended at 79 FR 79036 December 31, 2014].

**Subpart QQQQ – Standards of Performance for New Residential Hydronic Heaters and Forced-Air Furnaces**

[Added at 80 FR 13715, March 16, 2015].

40 CFR 60 (NSPS) Subparts Amended:

Subpart A – General Provisions [Amended at 72 FR 27442, May 16, 2007], [72 FR 32714, June 13, 2007], [73 FR 78209, December 22, 2008], [75 FR 55646, September 13, 2010], [79 FR 11241, February 27, 2014], [79 FR 18965, April 4, 2014], and [80 FR 13701, March 16, 2015].

Subpart D - Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced after August 17, 1971

[Amended at 74 FR 5077, January 28, 2009], [Amended at 76 FR 3522, January 20, 2011], and [Amended at 77 FR 9447, February 16, 2012].

Subpart Da - Electric Utility Steam Generating Units for Which Construction is Commenced after September 18, 1978 [Amended at 74 FR 5078, January 28, 2009], [Amended at 76 FR 3522, January 20, 2011], [Amended at 77 FR 9448, February 16, 2012], [Amended at 77 FR 23402, April 19, 2012], [Amended at 78 FR 24082, April 24, 2013], and [Amended at 79 FR 68788, November 19, 2014].

Subpart Db - Industrial-Commercial-Institutional Steam Generating Units [Amended at 74 FR 5084, January 28, 2009], [Amended at 76 FR 3523, January 20, 2011], [Amended at 77 FR 9459, February 16, 2012], and [Amended at 79 FR 11249, February 27, 2014].

Subpart Dc - Small Industrial-Commercial-Institutional Steam Generating Units [Amended at 74 FR 5090, January 28, 2009], [Amended 76 FR 3523, January 20, 2011], and [Amended 77 FR 9461, February 16, 2012].

Subpart Ec - Standards of Performance for Hospital/Medical/Infectious Waste Incinerators for Which Construction is Commenced After June 20, 1996 - [Amended at 74 FR 51408, October 6, 2009], [Amended at 76 FR 18407, April 4, 2011], [Amended at 78 FR 28066, May 13, 2013], and [Amended at 79 FR 11249, February 27, 2014].

Subpart F - Standards of Performance for Portland Cement Plants [Amended at 78 FR 10032, February 12, 2013].

Subpart G - Standards of Performance for Nitric Acid Plants [Amended at 77 FR 48445, August 14, 2012].

Subpart H - Standards of Performance for Sulfuric Acid Plants [Amended at 79 FR 11250, February 27, 2014].

Subpart J - Petroleum Refineries - [Amended at 73 FR 35865, June 24, 2008] and [Amended at 77 FR 56463, September 12, 2012].

Subpart O - Standards of Performance for Sewage Treatment Plants [Amended at 79 FR 11250, February 27, 2014].

Subpart BB - Kraft Pulp Mills [Amended at 79 FR 11250, February 27, 2014] and [Amended at 79 FR 18966, April 4, 2014].

Subpart GG - Stationary Gas Turbines [Amended at 79 FR 11250, February 27, 2014].

Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants [Amended at 79 FR 11250, February 27, 2014].

Subpart LL - Standards of Performance for Metallic Mineral Processing Plants [Amended at 79 FR 11250, February 27, 2014].

Subpart UU - Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture [Amended at 79 FR 11250, February 27, 2014].



Subpart VV - Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry [Amended at 73 FR 31375, June 2, 2008].

Subpart VVa - Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 [Amended at 73 FR 31375, June 2, 2008].

Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries [Amended at 73 FR 31376, June 2, 2008].

Subpart GGGa - Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 [Amended at 73 FR 31376, June 2, 2008].

Subpart KKK - Standards of Performance for Equipment Leaks of VOC From Onshore Natural Gas Processing Plants for Which Construction, Reconstruction, or Modification Commenced After January 20, 1984, and on or Before August 23, 2011[Amended at 77 FR 49542, August 16, 2012].

Subpart LLL—Standards of Performance for SO₂ Emissions From Onshore Natural Gas Processing for Which Construction, Reconstruction, or Modification Commenced After January 20, 1984, and on or Before August 23, 2011 [Amended at 77 FR 49542, August 16, 2012].

Subpart NNN—Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations [Amended at 79 FR 11251, February 27, 2014].

Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants [Amended at 74 FR 19309, April 28, 2009].

Subpart CCCC - Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced after November 30, 1999, or for Which Modification or Reconstruction is Commenced on or after June 1, 2001 [Amended at 76 FR 15450, March 21, 2011] and [Amended at 78 FR 9178, February 7, 2013].

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [Amended at 76 FR 37967, June 28, 2011] and [Amended at 78 FR 6695, January 30, 2013].

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines [Amended at 73 FR 59175, October 8, 2008], [Amended at 76 FR 37972, June 28, 2011], and [Amended at 78 FR 6697, January 30, 2013].

Subpart KKKK - Standards of Performance for Stationary Combustion Turbines [Amended at 74 FR 11861, March 20, 2009].

40 CFR 61 (NESHAP) Subparts Added:

No Subparts were added.

40 CFR 61 (NESHAP) Subparts Amended:

Subpart A - General Provisions [Amended at 75 FR 55652, September 13, 2010], [Amended at 78 FR 2338, January 11, 2013], and [Amended at 79 FR 11275, February 27, 2014].

Subpart C - National Emission Standard for Beryllium [Amended at 79 FR 11275, February 27, 2014].



Subpart D - National Emission Standard for Beryllium Rocket Motor Firing [Amended at 79 FR 11275, February 27, 2014].

Subpart E - National Emission Standard for Mercury [Amended at 79 FR 11275, February 27, 2014].

Subpart N - National Emission Standard for Inorganic Arsenic Emissions From Glass Manufacturing Plants [Amended at 79 FR 11275, February 27, 2014].

40 CFR 63 (NESHAP) Subparts Added:

Subpart UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units [Added at 77 FR 9464, February 16, 2012], [Amended at 77 FR 23402, April 19, 2012], and [Amended at 78 FR 24084, April 24, 2013].

Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources [Added at 76 FR 15591, March 21, 2011] and [Amended at 78 FR 7506, February 1, 2013].

Subpart VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources [Added at 74 FR 56041, October 29, 2009] and [Amended at 77 FR 75756, December 21, 2012].

Subpart WWWWWW - National Emission Standards for Hazardous Air Pollutants for Plating and Polishing Operations [Added at 73 FR 37741, July 1, 2008] and [Amended at 76 FR 57919, September 19, 2011].

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories [Added at 73 FR 43000, July 23, 2008].

Subpart YYYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Ferroalloys Production Facilities [Added at 73 FR 78643, December 23, 2008].

Subpart ZZZZZZ - National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries [Added at 74 FR 30393, June 25, 2009] and [Amended at 74 FR 46495, September 10, 2009].

Subpart AAAAAA - National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing [Added at 74 FR 63260, December 2, 2009] and [Amended at 75 FR 12989, March 18, 2010].

Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Area Sources: Chemical Preparations Industry [Added at 74 FR 69208, December 30, 2009].

Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing [Added at 74 FR 63525, December 3, 2009], [Amended at 75 FR 10186, March 5, 2010], and [Amended at 75 FR 31320, June 3, 2010].

Subpart DDDDDD - National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing [Added at 75 FR 546, January 5, 2010], Amended at 75 FR 41994, July 20, 2010], and [Amended at 76 FR 80265, December 23, 2011].

Subpart EEEEEEE - National Emission Standards for Hazardous Air Pollutants: Gold Mine Ore Processing and Production Area Source Category [Added at 76 FR 9480, February 17, 2011].



Subpart HHHHHHH - National Emission Standards for Hazardous Air Pollutant Emissions for Polyvinyl Chloride and Copolymers Production [Added at 77 FR 22906, April 17, 2012].

40 CFR 63 (NESHAP) Subparts Amended:

Subpart A - General Provisions [Amended at 73 FR 24871, May 6, 2008], [Amended at 73 FR 78211, December 22, 2008], [Amended at 75 FR 55655, September 13, 2010], [Amended at 75 FR 69532, November 12, 2010], [Amended at 76 FR 49673, August 11, 2011], [Amended at 78 FR 37977, June 25, 2013], [Amended at 79 FR 11277, February 27, 2014], [Amended at 79 FR 17363, March 27, 2014], and [Amended at 80 FR 37389, June 30, 2015].

Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [Amended at 73 FR 78213, December 22, 2008] and [Amended at 79 FR 11283, February 27, 2014].

Subpart H - National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks [Amended at 73 FR 78213, December 22, 2008].

Subpart M - National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities [Amended at 73 FR 39875, July 11, 2008].

Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks [Amended at 77 FR 58242, September. 19, 2012] and [Amended at 79 FR 11283, February 27, 2014].

Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities [Amended at 79 FR 11283, February 27, 2014].

Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) [Amended at 73 FR 78213, December 22, 2008].

Subpart S - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) [Amended at 77 FR 55710, September 11, 2012].

Subpart T - National Emission Standards for Hazardous Air Pollutants for Halogenated Solvent Cleaning [Amended at 72 FR 25157, May 3, 2007].

Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins [Amended at 71 FR 20456, April 20, 2006], [Amended at 73 FR 78213, December 22, 2008], and [Amended at 76 FR 22586, April 21, 2011].

Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-Nylon Polyamides Production [Amended at 71 FR 20457, April 20, 2006].

Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting [Amended at 77 FR 580, January 5, 2012] and [Amended at 79 FR 371, January 3, 2014].

Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries [Amended at 74 FR 55683, October. 28, 2009], [Amended at 75 FR 37731, June 30, 2010], and, [Amended at 78 FR 37145, June 20, 2013].



- Subpart DD - National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations** [Amended at 71 FR 20457, April 20, 2006] and [Amended at 80 FR 14271, March 18, 2015].
- Subpart GG - National Emission Standards for Hazardous Air Pollutants for Aerospace Manufacturing and Rework Facilities** [Amended at 71 FR 20457, April 20, 2006] and [Amended at 79 FR 11284, February 27, 2014].
- Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities** [Amended at 71 FR 20457, April 20, 2006], [Amended at 72 FR 36, January 3, 2007], [Amended at 73 FR 78214, December 22, 2008], and [Amended at 77 FR 49568, August 16, 2012].
- Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations** [Amended at 76 FR 72071, November 21, 2011].
- Subpart KK - National Emission Standards for the Printing and Publishing Industry** [Amended at 71 FR 29799, May 24, 2006] and [Amended at 76 FR 22597, April 21, 2011].
- Subpart LL - National Emission Standards for Hazardous Air Pollutants for Primary Aluminum Reduction Plants** [Amended at 71 FR 20458, April 20, 2006].
- Subpart MM - National Emission Standards for Hazardous Air Pollutants for Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semicemical Pulp Mills** [Amended at 71 FR 20458, April 20, 2006].
- Subpart SS - National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process** [Amended at 71 FR 20458, April 20, 2006].
- Subpart CCC - National Emission Standards for Hazardous Air Pollutants for Steel Pickling-HCl Process Facilities and Hydrochloric Acid Regeneration Plants** [Amended at 77 FR 58250, September 19, 2012].
- Subpart EEE - National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors** [Amended at 73 FR 18979, April 8, 2008] and [Amended at 73 FR 64094, October 28, 2008].
- Subpart GGG - National Emission Standards for Pharmaceuticals Production** [Amended at 73 FR 78213, December 22, 2008], [Amended at 76 FR 22599, April 21, 2011], and [Amended at 79 FR 11284, February 27, 2014].
- Subpart HHH - National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities** [Amended at 77 FR 49584, August 16, 2012].
- Subpart III - National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production** [Amended at 79 FR 48086, August 15, 2014].
- Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins** [Amended at 73 FR 78214, December 22, 2008] and [Amended at 79 FR 17363, March 27, 2014].
- Subpart LLL - National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry** [Amended at 75 FR 55051, September 9, 2010], [Amended at 76 FR 2836, January 18, 2011], and [Amended at 78 FR 10036, February 12, 2013].
- Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production** [Amended at 79 FR 17371, March 27, 2014].



- Subpart PPP - National Emission Standards for Hazardous Air Pollutant Emissions for Polyether Polyols Production** [Amended at 79 FR 17376, March 27, 2014].
- Subpart RRR - National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production** [Amended at 79 FR 11284, February 27, 2014].
- Subpart TTT - National Emission Standards for Hazardous Air Pollutants for Primary Lead Smelting** [Amended at 76 FR 70852, November 15, 2011].
- Subpart VVV - National Emission Standards for Hazardous Air Pollutants: Publicly Owned Treatment Works** [Amended at 73 FR 78215, December 22, 2008].
- Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline)** [Amended at 73 FR 21830, April 23, 2008], [Amended at 73 FR 40981, July 17, 2008], and [Amended at 73 FR 78215, December 22, 2008].
- Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing** [Amended at 73 FR 72816, December 22, 2008].
- Subpart UUUU - National Emission Standards for Hazardous Air Pollutants for Cellulose Products Manufacturing** [Amended at 73 FR 78216, December 22, 2008].
- Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines** [Amended at 73 FR 3603, January 18, 2008], [Amended at 75 FR 9674, March 3, 2010], [Amended at 75 FR 37733, June 30, 2010], [Amended at 75 FR 51588, August 20, 2010], [Amended at 76 FR 12866, March 9, 2011], [Amended at 78 FR 6700, January 30, 2013], and [Amended at 78 FR 14457, March 6, 2013].
- Subpart BBBB - National Emission Standards for Hazardous Air Pollutants for Semiconductor Manufacturing** [Amended at 73 FR 42532, July 22, 2008].
- Subpart DDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters** [Amended at 76 FR 15664, March 21, 2011] and [Amended at 78 FR 7162, January 31, 2013].
- Subpart EEEEE - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries** [Amended at 73 FR 7218, February 7, 2008].
- Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation** [Amended at 73 FR 78216, December 22, 2008].
- Subpart HHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing** [Amended at 73 FR 78216, December 22, 2008].
- Subpart BBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities** [Amended at 73 FR 12276, March 7, 2008] and [Amended at 76 FR 4176, January 24, 2011].
- Subpart CCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities** [Amended at 73 FR 12276, March 7, 2008], [Amended at 73 FR 35944, June 25, 2008], and [Amended at 76 FR 4181, January 24, 2011].



Subpart LLLLLL - National Emission Standards for Hazardous Air Pollutants for Acrylic and Modacrylic Fibers Production Area Sources [Amended at 73 FR 15928, March 26, 2008].

Subpart MMMMMM - National Emission Standards for Hazardous Air Pollutants for Carbon Black Production Area Sources [Amended at 73 FR 15928, March 26, 2008].

Subpart NNNNNN - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources: Chromium Compounds [Amended at 73 FR 15928, March 26, 2008].

Subpart OOOOOO - National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources [Amended at 73 FR 15928, March 26, 2008].

Subpart PPPPPP - National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources [Amended at 73 FR 15928, March 26, 2008].

Subpart QQQQQQ - National Emission Standards for Hazardous Air Pollutants for Wood Preserving Area Sources [Amended at 73 FR 15928, March 26, 2008].

7. Reference to any study relevant to the rule that the control officer reviewed and either relied or did not rely on in its evaluation of or justification for the rule, where the public may review each study, all data underlying each study, and any analysis of each study and other supporting material:

No studies were reviewed in reference to this rulemaking action.

8. A showing of good cause why the rules are necessary to promote a statewide interest if the rules will diminish a previous grant of authority of a political subdivision of this state:

Not Applicable

9. Summary of the economic, small business, and consumer impact:

Through the Pima County BOS PDEQ updated its incorporations by reference of the following federal regulations: Acid Rain, New Emission Standards for Hazardous Air Pollutants (NESHAP), New Source Performance Standards (NSPS), National Ambient Air Quality Standards, revised the definition of Volatile Organic Compounds and revised the definition of Mineral Tailings. These revisions should not have an economic impact on businesses in Pima County, and should not impose additional costs on the regulated community, small businesses, political subdivisions, and members of the public beyond that already incurred by reason of federal or state rule or law. The costs of compliance for the Acid rain, NESHAP, NSPS, NAAQS, Mineral Tailings, and Volatile Organic Compounds definition have already occurred, and were considered when the federal and state rule or law was proposed and adopted.

10. The name and address of agency personnel with whom persons may communicate regarding the accuracy of the economic, small business, and consumer impact statement:

Name: Sarah Reitmeyer
Address: 33 N. Stone Avenue, Suite 700
Tucson, AZ 85701-1429
Telephone: (520) 724-7437
Fax: (520) 838-7432
E-mail: sarah.reitmeyer@pima.gov



11. A description of the changes between the expedited rule, including supplemental notices, and final rules (if applicable):

40 CFR Part 60 Subpart DDDD has been removed because emission guidelines are not delegable under Clean Air Act Section 111(C).

40 CFR Part 60 MMMM has been removed because emission guidelines are not delegable under Clean Air Act Section 111(C).

The address for the American Society for Testing and Materials (ASTM) has been updated.

In addition, minor, non-substantive grammatical and typographical changes were made to the rule to improve clarity, conciseness, and understandability.

12. A summary of the comments made regarding the rule and the agency response to them:

Comments: Shawn Dolan, Virtual Technology LLC

E-mail dated May 3, 2016

How are comments to be registered to all these rules? Is there a formal comment web site like regs.gov? I looked on the PCDEQ web site and do not see how to register a comment.

Title 17 Air Quality Control,

17.12.045 - Test methods and procedures.

B) Except as otherwise provided in this subsection the opacity of visible emissions shall be determined by Reference Method 9 of the Arizona Testing Manual or Appendix A in 40 CFR 60. A permit may specify a method, other than Method 9, for determining the opacity of emissions from a particular emissions unit, if the method has been promulgated by the administrator in 40 CFR 60, Appendix A.

needs to be updated to specifically allow the use of US EPA Alternative Method 082, as published in CFR see attached, note the "administrator" does not promulgate changes specifically to 40 CFR 60 Appendix A. However the EPA administrator does promulgate and publish broadly applicable standards, for use in lieu of legacy reference methods. In CFR promulgation notices like the one attached approving US EPA Alternative Method 082 for use in lieu of Method 9 for all of 40 CFR 60, 61, 63. Now EPA ALT 082 is declared BACT by the Ferro-Alloy NESHAP final publication in CFR November 2015. Both references are attached. [Attachments included two Federal Register Notices: 77 FR 8865 and 80 FR 37366 and a Guidance letter from the U.S. Environmental Protection Agency]

My company being and Arizona Small Business, and the sole global provider of EPA Alternative Method 082 certified Digital Camera Opacity Technique systems, considers the current language of the Pima County Administrative Code to represent restraint of trade, and be in violation of CAA delegation authority. As it encourages, the use of legacy, out dated, subjective Methods (Method 9) versus, the use of new, improved and updated Methods (EPA ALT 082) as required in the CAA delegation authority.

I want to be certain the PC Title 17.12.045 is updated to read.

B) Except as otherwise provided in this subsection the opacity of visible emissions shall be determined using EPA Approved Methods for the determination of opacity, such as, EPA Alternative Method 082, (Digital Camera Method), and/or EPA Method 9 (Human Eye Method). A permit may specify a method, other than EPA Alternative Method 082 or



EPA Method 9, for determining the opacity of emissions from a particular emissions unit, if the method has been promulgated by the administrator and published as a broadly applicable standard in the code of federal regulations. I do not know where to write this comment for registration such that it is certain to be addressed.

E-mail dated May 3, 2016

I read through title 17 tonight and made other notes on other sections. The key are addressed here-in but repeat in every section of every title throughout the title, e.g. they all reference 40 CFR 60 Appendix A test methods. This wording needed to be updated in all sub sections to read Promulgated Broadly Applicable Alternative Methods and/or 40 CFR 60 Appendix A test method shall be used.....

The attached document represents my notes as I went through the sections.

Another question is the requirement for continuous emission monitors, where-by there is no backup method required for periods of downtime with the COM. This should be fixed to require the use of EPA Alternative Method 082 and/or EPA Method 9 opacity observations during periods of down time, or as a QA check to the COM. How does one know the true span and drift during production operations? Our testing has proven significant error in in stack COM when compared to stack exit opacity reading performed by Humans and cameras, e.g. the Humans and cameras agree, but the COM is typically way low comparatively.

Further in the public outreach section, high opacity producers should be required to make imagery of the stack operations tagged with opacity values available to the media's listed.

How formal do these comments need to be? I see the code that requires public participation but I don't see the instructions on how to participate.

Response (via e-mail): At this time we are only making conforming changes and incorporations by reference for the NSPS/NESHAP/NAAQS, and a couple definitions. Our existing language for Test Methods and Procedures is identical to the provisions found in the state code. We do recognize the Camera Opacity Method is a valid EPA alternative test method. However, our county code is conforming to the corresponding state code. We suggest you approach ADEQ to incorporate your suggested language in to the state code. We understand that ADEQ is currently using your technology. We would incorporate the language the state develops.

For each rulemaking there is a formal Public Comment period for 30 days from the date of official Public Notice. Written comments can be submitted via e-mail or in writing per the Public Notice for each rulemaking, and oral comments can be made at the Public Hearing for that rulemaking.

Comment: Shawn Dolan, Virtual Technology LLC

E-mail dated May 5, 2016

Regarding the 30 day period, is the current update official Public Notice date April 29, 2016? Is the public hearing on this May 12?

The announcement I received reads:

These updates include changes to Sections PCC 17.04.070, PCC 17.04.340, PCC 17.08.020, PCC 17.08.030, PCC 17.08.050, PCC 17.08.060, PCC 17.08.070, PCC 17.12.045, PCC 17.12.180, PCC 17.12.365, PCC 17.16.120, PCC 17.16.490, and PCC 17.16.530.



Thus I assume the specific comment to PCC 17.12.045 incorporated herein will be adjudicated in this round of updates? Thanks again for your help and guidance in this matter, I am learning these “rules” and look forward to a very productive update

Response (via e-mail): As this is a rulemaking to only update incorporations by reference we are only updating the date within PCC 17.12.045, updating from February 1, 2008 to July 1, 2015). As stated in my previous e-mail our existing language for Test Methods and Procedures is identical to the provisions found in the state code. We do recognize the Camera Opacity Method is a valid EPA alternative test method. However, our county code is conforming to the corresponding state code. We suggest you approach ADEQ to incorporate your suggested language in to the state code. We understand that ADEQ is currently using your technology. We would incorporate the language the state develops. The May 12th meeting is a stakeholder meeting and is not a formal public hearing. The Public Comment period for this rulemaking will open with the publication of a Public Notice on May 20, 2016, the Public Hearing for this rulemaking is currently proposed for August 2, 2016.

Comment: Cheri Dale, Maricopa County Air Quality Department
I respectfully propose three revisions to the Pima County Code, Title 17, Chapter 4, 8, 12 and 16 proposed rule revisions found in the NOTICE OF PROPOSED RULEMAKING, anticipated to be published in the Arizona Administrative Register on May 20, 2016.

- Delete 40 CFR 60, Subpart DDDD - Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units. Emission guidelines are not delegable to the state/local authority.
- Delete 40 CFR 60, Subpart MMMM – Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units. Emission guidelines are not delegable to the state/local authority.
- Update the address of the ASTM to P.O. Box C700, West Conshohocken, PA 19428.

Additional Information: ASTM Address 100 Barr Harbor Dr, PO Box C700, West Conshohocken, PA 19428-2959.
Accessed at <http://www.astm.org/>

In an August 2015 letter from the EPA (refer to attachment), the EPA provided a detailed response to the department as to why NSPS subparts could not be delegated. An excerpt from the attached letter was included.

Response (via e-mail): PDEQ agrees that 40 CFR 60, Subpart DDDD and 40 CFR 60, Subpart MMMM should be removed from the rule because these rules are not delegated under the Clean Air Act Section 111(c). PDEQ will incorporate your suggested changes to the proposed rulemaking. PDEQ has also updated the address for the American Society for Testing and Materials.

Comment: Marlene Hilligoss, Tucson, AZ

Letter received June 8, 2016

Regarding Notice in AZ Star 5/20/16, Amendments to PCC title 17 code, CFR title 40 code AAC title 18 code, Does “UPDATE” mean MORE LENIENT OR LESS LENIENT? Please clarify.

Response (via letter):

This letter is in response to the comment you submitted to the Pima County Department of Environmental Quality (PDEQ) regarding the Notice of Expedited Rulemaking (22 A.A.R. 1305, May 20, 2016). The proposed amendments are to Pima County Code Title 17: Sections PCC 17.04.070, PCC 17.04.340, PCC 17.08.020, PCC 17.08.030, PCC 17.08.050, PCC



17.08.060, PCC 17.08.070, PCC 17.12.045, PCC 17.12.180, PCC 17.12.365, PCC 17.16.120, PCC 17.16.490, and PCC 17.16.530. This rulemaking does not make amendments to the Code of Federal Regulations (CFR) or to the Arizona Administrative Code (A.A.C.). The proposed rules are neither more, nor less lenient, the proposed amendments are conforming Pima County Code to federal and state rules that are already implemented.

13. Incorporations by reference and their location in the rules:

New incorporations by reference as of July 1, 2015: Location in PCC

40 CFR 60, Subparts Ga, Ja, Y, BBa, AAA, JJJJ, LLLL, OOOO, QQQQ	17.16.490
40 CFR 63, Subparts UUUUU, JJJJJ, VVVVVV, WWWWWW, XXXXXX, YYYYYY, ZZZZZZ, AAAAAA, BBBBBBB, CCCCCC, DDDDDDD, EEEEEEE, and HHHHHHH	17.16.530

Incorporations by Reference updated to July 1, 2015

40 CFR 50	17.08.020
40 CFR 50	17.08.030
40 CFR 50	17.08.050
40 CFR 50	17.08.060
40 CFR 50	17.08.070
40 CFR 50, all appendices	17.12.045
40 CFR 51, Appendix M, Section IV of Appendix S, & Appendix W	17.12.045
40 CFR 52.21	17.08.150
40 CFR 52, Appendices D and E	17.12.045
40 CFR 53	17.12.045
40 CFR 58	17.12.045
40 CFR 58, all appendices	17.12.045
40 CFR 60, listed subparts and accompanying appendices	17.16.490
40 CFR 60, all appendices	17.12.045
40 CFR 61, listed subparts and accompanying appendices	17.16.530
40 CFR 61, all appendices	17.12.045
40 CFR 63, listed subparts and accompanying appendices	17.16.530
40 CFR 63, all appendices	17.12.045
40 CFR 64	17.12.180
40 CFR 72, 74, 75, 76	17.12.365
40 CFR 75, all appendices	17.12.045

14. The full text of the rule follows:

TITLE 17 -AIR QUALITY CONTROL



CHAPTER 17.04 GENERAL PROVISIONS
ARTICLE III. INCORPORATED MATERIALS

Section

17.04.070 Incorporated materials.

ARTICLE IX. DEFINITIONS AND MEANINGS

Section

17.04.340 Words, phrases, and terms.

CHAPTER 17.08 AMBIENT AIR QUALITY STANDARDS

ARTICLE I. Ambient Air Standards

Section

17.08.020 - Sulfur oxides (sulfur dioxide).

17.08.030 - Particulate matter: (PM₁₀) and PM_{2.5}).

17.08.050 - Ozone: 1-hour standard and 8-hour averaged standard.

17.08.060 - Nitrogen dioxide.

17.08.070 - Lead.

CHAPTER 17.12 PERMITS AND PERMIT REVISIONS

ARTICLE I. GENERAL PROVISIONS

Section

17.12.045 Test methods and procedures.

ARTICLE II. INDIVIDUAL SOURCE PERMITS

Section

17.12.180 Permit contents for Class I permits.

17.12.365 Acid rain.

CHAPTER 17.16 EMISSION LIMITING STANDARDS

ARTICLE III. EMISSIONS FROM EXISTING AND NEW NONPOINT SOURCES

Section

17.16.120 Mineral Tailings.

ARTICLE IV. NEW AND EXISTING STATIONARY SOURCE PERFORMANCE STANDARDS

ARTICLE VI. NEW SOURCE PERFORMANCE STANDARDS

Section

17.16.490 Standards of performance for new stationary sources (NSPS).

ARTICLE VII. NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS

Section

17.16.530 National emission standards for hazardous air pollutants (NESHAP).

Chapter 17.04 General Provisions

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Article III. Incorporated Materials

17.04.070 Incorporated materials.

The following documents are incorporated herein by reference and are on file with the control officer:

- A. The Arizona Department of Environmental Quality's "Arizona Testing Manual for Air Pollutant Emissions," amended as of March 1992 (and no future editions).
- B. The ASTM Test Methods referenced in this title as of the year specified in the reference (and no future amendments). They are available from the American Society for Testing and Materials, ~~1916 Race St., Philadelphia, PA 19103-1187~~ 100 Barr Harbor Dr., West Conshohocken, PA, 19428-2959.
- C. All parts of the CFR referenced in this Title are amended as of ~~February 1, 2008~~ July 1, 2015, as applicable requirements and no future editions or amendments unless specifically indicated otherwise.
- D. The U.S. Government Printing Office's "Standard Industrial Classification Manual, 1987" and no future editions.

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Article IX. Definitions and Meanings

17.04.340 Words, phrases, and terms.

Words, phrases, and terms used in this title shall have the following meanings except where any narrative portion specifically indicates otherwise:

- A. Definitions.

...

- 250. "Volatile organic compounds (VOC)" means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions. This includes any such organic compound other than the following, which have been determined to have negligible photochemical reactivity:
 - a. Methane;
 - b. Ethane;
 - c. Methylene chloride (dichloromethane);
 - d. 1,1,1-trichloroethane (methyl chloroform);
 - e. 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113);
 - f. Trichlorofluoromethane (CFC-11);
 - g. Dichlorodifluoromethane (CFC-12);
 - h. Chlorodifluoromethane (HCFC-22);
 - i. Trifluoromethane (HFC-23);
 - j. 1,2-dichloro 1,1,2,2-tetrafluoroethane (CFC-114);
 - k. Chloropentafluoroethane (CFC-115);
 - l. 1,1,1-trifluoro 2,2-dichloroethane (HCFC-123);
 - m. 1,1,1,2-tetrafluoroethane (HFC-134a);
 - n. 1,1-dichloro 1-fluoroethane (HCFC-141b);
 - o. 1-chloro 1,1-difluoroethane (HCFC-142b);



- p. 2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124);
- q. Pentafluoroethane (HFC-125);
- r. 1,1,2,2-tetrafluoroethane (HFC-134);
- s. 1,1,1-trifluoroethane (HFC-143a);
- t. 1,1-difluoroethane (HFC-152a);
- u. Parachlorobenzotrifluoride (PCBTF);
- v. Cyclic, branched, or linear completely methylated siloxanes;
- w. Acetone;
- x. Perchloroethylene (tetrachloroethylene);
- y. 3,3-dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca);
- z. 1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb);
- aa. 1,1,1,2,3,4,4,5,5,5-decafluoropentane (HFC 43-10mee);
- bb. Difluoromethane (HFC-32);
- cc. Ethylfluoride (HFC-161);
- dd. 1,1,1,3,3,3-hexafluoropropane (HFC-236fa);
- ee. 1,1,2,2,3-pentafluoropropane (HFC-245ca);
- ff. 1,1,2,3,3-pentafluoropropane (HFC-245ea);
- gg. 1,1,1,2,3-pentafluoropropane (HFC-245eb);
- hh. 1,1,1,3,3-pentafluoropropane (HFC-245fa);
- ii. 1,1,1,2,3,3-hexafluoropropane (HFC-236ea);
- jj. 1,1,1,3,3-pentafluorobutane (HFC-365mfc);
- kk. Chlorofluoromethane (HCFC-31);
- ll. 1 chloro-1-fluoroethane (HCFC-151a);
- mm. 1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a);
- nn. 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-butane (C₄F₉OCH₃ or HFE-7100);
- oo. 2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF₃)₂CF₂OC₂H₅);
- pp. 1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane (C₄F₉OC₂H₅ or HFE-7200);
- qq. 2-(ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF₃)₂CF₂OC₂H₅) ;
- rr. Methyl acetate;
- ss. 1,1,1,2,2,3,3-heptafluoro-3-methoxy-propane (n-C₃F₇OCH₃, HFE - 7000);
- tt. 3-ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl) hexane (HFE-7500);
- uu. 1,1,1,2,3,3,3-hentafluoropropane (HFC 227ea);
- vv. Methyl formate (HCOOCH₃);
- ww. (1) 1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-trifluoromethyl-pentane (HFE-7300); and
- xx. propylene carbonate
- yy. dimethyl-carbonate
- zz. 2,3,3,3-tetrafluoropropene (HFO-1234yf)



~~xx.~~ aaa. Perfluorocarbon compounds that fall into these classes:

- i. Cyclic, branched, or linear, completely fluorinated alkanes;
- ii. Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations;
- iii. Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and
- iv. Sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

~~yy.~~ bbb. The following compound is VOC for purposes of all recordkeeping, emissions reporting, photochemical dispersion modeling and inventory requirements which apply to VOC and shall be uniquely identified in emission reports, but are not VOC for purposes of VOC emissions limitations or VOC content requirements: t-butyl acetate.

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Chapter 17.08 Ambient Air Quality Standards

Article I. Ambient Air Standards

17.08.020 - Sulfur oxides (sulfur dioxide).

- A. The primary ambient air quality standards for sulfur oxides measured as sulfur dioxide using the reference method described in 40 CFR 50, Appendix A or A-1, or by an equivalent method, ~~are~~ is:
 - ~~1. 0.03 parts per million (ppm) (80µg/m3) — annual arithmetic mean.~~
 - ~~2. 0.14 parts per million (ppm) (365µg/m3) — maximum 24-hour concentration not to be exceeded more than once per year.~~
 - 1. 75 parts per billion (ppb) — maximum one-hour concentration. The one-hour primary standard is met at an ambient air quality monitoring site when the three-year average of the annual 99th percentile of the daily maximum one-hour average concentration is less than or equal to 75 parts per billion, as determined according to 40 CFR 50, Appendix T.
- B. The secondary ambient air quality standard for sulfur oxides, measured as sulfur dioxide is 0.5 parts per million (ppm) (1300µg/m3)—maximum 3-hour concentration not to be exceeded more than once per year.

17.08.030 – Particulate Matter: (PM₁₀) and PM_{2.5}).

- A. Particulate Matter (PM₁₀)
 - 1. The primary and secondary ambient air quality standards for particulate matter PM₁₀ are
 - ~~a. 50 micrograms per cubic meter of PM₁₀ — annual arithmetic mean concentration.~~
 - ~~b. 150 micrograms per cubic meter of PM₁₀ - 24-hour average concentration.~~
 - 2. ~~The secondary ambient air quality standards for particulate matter (PM₁₀) are:~~
 - ~~a. 50 micrograms per cubic meter of PM₁₀ — annual arithmetic mean concentration.~~
 - ~~b. 150 micrograms per cubic meter of PM₁₀ — 24-hour average concentration.~~
 - ~~3.~~ 2. For the purposes of determining attainment of the primary and secondary standards, particulate matter (PM₁₀) shall be measured in the ambient air as PM₁₀ by:
 - a. A reference method based on 40 CFR 50, Appendix J, and designated in accordance with 40 CFR 53; or
 - b. An equivalent method designated in accordance with 40 CFR 53.



- ~~4.~~ The primary and secondary annual ambient air quality standards for PM₁₀ shall be considered attained if the expected annual arithmetic mean concentration, as determined in accordance with 40 CFR 50, Appendix K, is less than or equal to 50 micrograms per cubic meter.
- ~~5.~~ 3. The primary and secondary 24-hour ambient air quality standards for PM₁₀ shall be considered attained when the expected number of days per calendar year with a 24-hour average concentration above 150 micrograms per cubic meter, as determined in accordance with 40 CFR 50, Appendix K, is less than or equal to 1.

B. Particulate Matter (PM_{2.5})

- 1. The primary ambient air quality standards for particulate matter (PM_{2.5}) are:
 - a. ~~45~~ 12 micrograms per cubic meter of PM_{2.5} - annual arithmetic mean concentration.
 - b. ~~65~~ 35 micrograms per cubic meter of PM_{2.5} - 24-hour average concentration.
- 2. The secondary ambient air quality standards for particulate matter (PM_{2.5}) are:
 - a. 15 micrograms per cubic meter of PM_{2.5} - annual arithmetic mean concentration.
 - b. ~~65~~ 35 micrograms per cubic meter of PM_{2.5} - 24-hour average concentration.
- 3. For purposes of determining attainment of the primary and secondary standards, particulate matter (PM_{2.5}) shall be measured in the ambient air by:
 - a. A reference method based on 40 CFR 50, Appendix ~~J~~ L, and designated in accordance with 40 CFR 53; or
 - b. An equivalent method designated in accordance with 40 CFR 53.
- 4. The primary ~~and secondary~~ annual ambient air quality standards for PM_{2.5} ~~are~~ is met when the annual arithmetic mean concentration, as determined in accordance with 40 CFR 50, Appendix N, is less than or equal to ~~45~~ 12 micrograms per cubic meter.
- 5. The secondary annual ambient air quality standard for PM_{2.5} is met when the annual arithmetic mean concentration, as determined in accordance with 40 CFR 50, Appendix N, is less than or equal to 15 micrograms per cubic meter.
- ~~5.~~ 6. The primary and secondary 24-hour ambient air quality standards for PM_{2.5} are met when the 98th percentile 24-hour concentration, as determined in accordance with 40 CFR 50, Appendix N, is less than or equal to ~~65~~ 35 micrograms per cubic meter.

...

17.08.050 - Ozone: ~~1 hour standard and 8 hour averaged standard.~~

~~A.~~ 1 hour standard. Until June 15, 2005:

- ~~1.~~ The 1 hour primary ambient air quality standard for ozone is 0.12 ppm (235 micrograms per cubic meter).
- ~~2.~~ The 1 hour secondary ambient air quality standard for ozone is 0.12 ppm (235 micrograms per cubic meter).
- ~~3.~~ The 1 hour standards are attained when the expected number of days per calendar year with maximum hourly average concentrations above 0.12 ppm (235 micrograms per cubic meter) is less than or equal to 1, as determined by 40 CFR 50, Appendix H.

~~B.~~ A. 8-hour averaged standard.

- 1. The 8-hour averaged-primary ambient air quality standard for ozone is ~~0.08~~ 0.070 ppm parts per million (ppm), daily maximum 8-hour average.



2. The 8-hour averaged secondary ambient air quality standard for ozone is ~~0.08~~ 0.070 ppm, daily maximum 8-hour average.
3. 8-hour averaged primary and secondary ambient air quality standards for ozone are met at an ambient air quality monitoring site when the 3-year average of the annual fourth-highest daily maximum 8-hour ozone concentration is less than or equal to ~~0.08~~ 0.070 ppm, as determined in accordance with 40 CFR 50, Appendix I U.

B. The levels of ozone in the ambient air shall be measured by:

1. A reference method based on 40 CFR 53, Appendix D, and designated in accordance with 40 CFR 53; or
2. An equivalent method designated in accordance with 40 CFR 53.

17.08.060 - Nitrogen dioxide.

A. The primary ~~and secondary~~ ambient air quality standards for nitrogen dioxide are: ~~0.053 parts per million (one hundred micrograms per cubic meter), annual arithmetic mean concentration.~~

1. 53 ppb — annual arithmetic mean concentration.
2. 100 ppb — 1-hour average concentration.

B. The secondary ambient air quality standard for nitrogen dioxide is 0.053 ppm (one hundred micrograms per cubic meter), annual arithmetic mean concentration.

C. The primary standards are attained when:

1. The annual arithmetic mean concentration in a calendar year is less than or equal to 53 ppb, as determined in accordance with 40 CFR 50, Appendix S.
2. The 3-year average of the annual 98th percentile of the daily maximum 1-hour average concentration is less than or equal to 100 ppb, as determined in accordance with 40 CFR 50, Appendix S.

~~B. D.~~ The secondary standards are is attained when the annual arithmetic mean concentration in a calendar year is less than or equal to 0.053 parts per million, rounded to three decimal places (fractional parts equal to or greater than 0.0005 must be rounded up). To demonstrate attainment, an annual mean shall be based upon hourly data that are at least seventy-five percent complete or upon data derived from manual methods that are at least seventy-five percent complete for the scheduled sampling days in each calendar quarter.

~~C. E.~~ The levels of nitrogen dioxide in the ambient air shall be measured by:

1. A reference method based on 40 CFR 50, Appendix F, and designated in accordance with 40 CFR 53; or
2. An equivalent method designated in accordance with 40 CFR 53.

17.08.070 - Lead.

A. The primary and secondary ambient air quality standards for lead and its compounds are ~~4.5~~ 0.15 micrograms per cubic meter, ~~maximum arithmetic mean averaged over a calendar quarter~~ arithmetic mean concentration over a 3-month period.

B. The levels of lead and its compounds in the ambient air shall be measured as elemental lead by:

1. A reference method based on 40 CFR 50, Appendix G, and designated in accordance with 40 CFR 53; or
2. An equivalent method designated in accordance with 40 CFR 53.

C. The national primary and secondary ambient air quality standards for lead are met when the maximum arithmetic 3-month mean concentration for a 3-year period, as determined in accordance with Appendix R of this part, is less than or equal to 0.15 micrograms per cubic meter.



Chapter 17.12 Permits and Permit Revisions

Article I. General Provisions

17.12.045 Test methods and procedures.

A. The following test methods and protocols are approved for use as directed by the Department under this Chapter. These standards adopted as of ~~February 1, 2008~~ July 1, 2015, and no future editions or amendments, are incorporated by reference as applicable requirements. These standards are on file with the Department and are also available from the U.S. Government Printing Office, Superintendent of Documents, Mail Stop SSOP, Washington D.C. 20402-9328.

- 1. 40 CFR 50;
2. 40 CFR 50, Appendices A through N;
3. 40 CFR 51, Appendix M, Section IV of Appendix S, and Appendix W;
4. 40 CFR 52, Appendices D and E;
5. 40 CFR 53;
6. 40 CFR 58;
7. 40 CFR 58, all appendices;
8. 40 CFR 60, all appendices;
9. 40 CFR 61, all appendices;
10. 40 CFR 63, all appendices;
11. 40 CFR 75, all appendices.

Article II. Individual Source Permits

17.12.180 Permit contents for Class I permits.

A. Each permit issued shall include the following elements:

3. Each permit shall contain the following requirements with respect to monitoring:

- b. 40 CFR 64 adopted ~~February 1, 2008~~ July 1, 2015, and no future editions or amendments, is incorporated by reference as applicable requirements and on file with the Department and shall be applied by the Department. If more than one monitoring or testing requirement applies, the permit may specify a streamlined set of monitoring or testing provisions if the specified monitoring or testing is adequate to assure compliance at least to the same extent as the monitoring or testing applicable requirements not included in the permit as a result of such streamlining;

17.12.365 Acid rain.



- A. 40 CFR 72, 74, 75, and 76, and all accompanying appendices, adopted as of ~~February 1, 2008~~ July 1, 2015, and no future editions or amendments are incorporated by reference as applicable requirements. These standards are on file with the Department and shall be applied by the Department. These standards can be obtained from the U.S. Government Printing Office, Superintendent of Documents, Mail Stop SSOP, Washington D.C. 20402-9328.

...

Chapter 17.16 Emission Limiting Standards

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Article III. Emissions from Existing and New Nonpoint Sources

...

17.16.120 Mineral Tailings.

- A. No person shall cause, suffer, allow, or permit construction of, or otherwise own or operate, mineral tailing piles without taking reasonable precautions to prevent excessive amounts of particulate matter from becoming airborne. Reasonable precautions shall mean wetting, chemical stabilization, revegetation or such other measures as are approved by the control officer.
- B. No person shall cause, suffer, allow, or permit construction of, or otherwise own or operate, mineral tailings piles without taking reasonable precautions (i.e., wetting, chemical stabilization and revegetation) to minimize and control to ensure compliance with Section 17.16.050.

...

Article VI. New Source Performance Standards

17.16.490 Standards of performance for new stationary sources (NSPS).

- A. Except as provided in subsections B, C and D of this Section, and Sections 17.16.500 through 17.16.520, the following subparts of 40 CFR 60, New Source Performance Standards (NSPS), and all accompanying appendices, adopted as of ~~February 1, 2008~~ July 1, 2015, and no future editions or amendments are incorporated by reference as applicable requirements. These standards are on file with the Department and shall be applied by the Department. These standards can be obtained from the U.S. Government Printing Office, Superintendent of Documents, Mail Stop SSOP, Washington D.C. 20402-9328.
 - 1. Subpart A - General Provisions.
 - 2. Subpart D - Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced after August 17, 1971.
 - 3. Subpart Da - Electric Utility Steam Generating Units for Which Construction is Commenced after September 18, 1978.
 - 4. Subpart Db - Industrial-Commercial-Institutional Steam Generating Units.
 - 5. Subpart Dc - Small Industrial-Commercial-Institutional Steam Generating Units.
 - 6. Subpart E - Incinerators.
 - 7. Subpart Ea - Municipal Waste Combustors for Which Construction is Commenced after December 20, 1989, and on or before September 20, 1994.
 - 8. Subpart Eb - Large Municipal Waste Combustors for Which Construction is Commenced after September 20, 1994 or for Which Modification or Reconstruction is Commenced after June 19, 1996.



- 9. Subpart Ec - Hospital/Medical/Infectious Waste Incinerators for Which Construction is Commenced after June 20, 1996.
- 10. Subpart F - Portland Cement Plants.
- 11. Subpart G - Nitric Acid Plants.
- 12. Subpart Ga - Nitric Acid Plants for Which Construction, Reconstruction, or Modification Commenced After October 14, 2011.
- ~~12.~~ 13. Subpart H - Sulfuric Acid Plants.
- ~~13.~~ 14. Subpart I - Hot Mix Asphalt Facilities.
- ~~14.~~ 15. Subpart J - Petroleum Refineries.
- 16. Subpart Ja - Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007.
- ~~15.~~ 17. Subpart K - Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after June 11, 1973, and Prior to May 19, 1978.
- ~~16.~~ 18. Subpart Ka - Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after May 18, 1978, and Prior to July 23, 1984.
- ~~17.~~ 19. Subpart Kb - Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.
- ~~18.~~ 20. Subpart L - Secondary Lead Smelters.
- ~~19.~~ 21. Subpart M - Secondary Brass and Bronze ~~Ingot~~ Production Plants.
- ~~20.~~ 22. Subpart N - Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced after June 11, 1973.
- ~~21.~~ 23. Subpart Na - Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced after January 20, 1983.
- ~~22.~~ 24. Subpart O - Sewage Treatment Plants.
- ~~23.~~ 25. Subpart P - Primary Copper Smelters.
- ~~24.~~ 26. Subpart Q - Primary Zinc Smelters.
- ~~25.~~ 27. Subpart R - Primary Lead Smelters.
- ~~26.~~ 28. Subpart S - Primary Aluminum Reduction Plants.
- ~~27.~~ 29. Subpart T - Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants.
- ~~28.~~ 30. Subpart U - Phosphate Fertilizer Industry: Superphosphoric Acid Plants.
- ~~29.~~ 31. Subpart V - Phosphate Fertilizer Industry: Diammonium Phosphate Plants.
- ~~30.~~ 32. Subpart W - Phosphate Fertilizer Industry: Triple Superphosphate Plants.
- ~~31.~~ 33. Subpart X - Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities.
- ~~32.~~ 34. Subpart Y - Coal Preparation and Processing Plants.
- ~~33.~~ 35. Subpart Z - Ferroalloy Production Facilities.
- ~~34.~~ 36. Subpart AA - Steel Plants: Electric Arc Furnaces Constructed after November 21, 1974, and on or before August 17, 1983.



- ~~35-37.~~ 37. Subpart AAa - Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed after August 7, 1983.
- ~~36-38.~~ Subpart BB - Kraft Pulp Mills.
39. Subpart BBa - Kraft Pulp Mill Affected Sources for Which Construction, Reconstruction, or Modification Commenced After May 23, 2013.
- ~~37-40.~~ 40. Subpart CC - Glass Manufacturing Plants.
- ~~38-41.~~ 41. Subpart DD - Grain Elevators.
- ~~39-42.~~ 42. Subpart EE - Surface Coating of Metal Furniture.
- ~~40-43.~~ 43. Subpart GG - Stationary Gas Turbines.
- ~~41-44.~~ 44. Subpart HH - Lime Manufacturing Plants.
- ~~42-45.~~ 45. Subpart KK - Lead-Acid Battery Manufacturing Plants.
- ~~43-46.~~ 46. Subpart LL - Metallic Mineral Processing Plants.
- ~~44-47.~~ 47. Subpart MM - Automobile and Light Duty Truck Surface Coating Operations.
- ~~45-48.~~ 48. Subpart NN - Phosphate Rock Plants.
- ~~46-49.~~ 49. Subpart PP - Ammonium Sulfate Manufacture.
- ~~47-50.~~ 50. Subpart QQ - Graphic Arts Industry: Publication Rotogravure Printing.
- ~~48-51.~~ 51. Subpart RR - Pressure Sensitive Tape and Label Surface Coating Operations.
- ~~49-52.~~ 52. Subpart SS - Industrial Surface Coating: Large Appliances.
- ~~50-53.~~ 53. Subpart TT - Metal Coil Surface Coating.
- ~~51-54.~~ 54. Subpart UU - Asphalt Processing and Asphalt Roofing Manufacture.
- ~~52-55.~~ 55. Subpart VV - Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.
- ~~53-56.~~ 56. Subpart VVa - Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced after November 7, 2006.
- ~~54-57.~~ 57. Subpart WW - Beverage Can Surface Coating Industry.
- ~~55-58.~~ 58. Subpart XX - Bulk Gasoline Terminals.
- ~~56-59.~~ 59. Subpart AAA - New Residential Wood Heaters.
- ~~57-60.~~ 60. Subpart BBB - Rubber Tire Manufacturing Industry.
- ~~58-61.~~ 61. Subpart DDD - Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry.
- ~~59-62.~~ 62. Subpart FFF - Flexible Vinyl and Urethane Coating and Printing.
- ~~60-63.~~ 63. Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries.
- ~~61-64.~~ 64. Subpart GGGa - Equipment Leaks for VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced after November 7, 2006.
- ~~62-65.~~ 65. Subpart HHH - Synthetic Fiber Production Facilities.
- ~~63-66.~~ 66. Subpart III - Volatile Organic Compound (VOC) Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes.
- ~~64-67.~~ 67. Subpart JJJ - Petroleum Dry Cleaners.
- ~~65-68.~~ 68. Subpart KKK - Equipment Leaks of VOC from Onshore Natural Gas Processing Plants.



- ~~66.~~ 69. Subpart LLL - Onshore Natural Gas Processing; SO2 Emissions.
- ~~67.~~ 70. Subpart NNN - Volatile Organic Compound (VOC) Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations.
- ~~68.~~ 71. Subpart OOO - Nonmetallic Mineral Processing Plants.
- ~~69.~~ 72. Subpart PPP - Wool Fiberglass Insulation Manufacturing Plants.
- ~~70.~~ 73. Subpart QQQ - VOC Emissions from Petroleum Refinery Wastewater Systems.
- ~~71.~~ 74. Subpart RRR - Volatile Organic Compound (VOC) Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes.
- ~~72.~~ 75. Subpart SSS - Magnetic Tape Coating Facilities.
- ~~73.~~ 76. Subpart TTT - Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines.
- ~~74.~~ 77. Subpart UUU - Calciners and Dryers in Mineral Industries.
- ~~75.~~ 78. Subpart VVV - Polymeric Coating of Supporting Substrates Facilities.
- ~~76.~~ 79. Subpart WWW - Municipal Solid Waste Landfills.
- ~~77.~~ 80. Subpart AAAA - Small Municipal Waste Combustion Units for Which Construction is Commenced after August 30, 1999 or for Which Modification or Reconstruction is Commenced after June 6, 2001.
- ~~78.~~ 81. Subpart CCCC - Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced after November 30, 1999, or for Which Modification or Reconstruction is Commenced on or after June 1, 2001.
- ~~79.~~ 82. Subpart EEEE - Other Solid Waste Incineration Units for Which Construction is Commenced after December 9, 2004, or for Which Modification or Reconstruction is Commenced on or after June 16, 2006.
- ~~80.~~ ~~Subpart FFFF - Other Solid Waste Incineration Units for Which Construction is Commenced on or before December 9, 2004.~~
- ~~81.~~ 83. Subpart IIII - Stationary Compression Ignition Internal Combustion Engines.
- 84. Subpart JJJJ - Stationary Spark Ignition Internal Combustion Engines.
- ~~82.~~ 85. Subpart KKKK - Stationary Combustion Turbines.
- 86. Subpart LLLL - New Sewage Sludge Incineration Units.
- 87. Subpart OOOO - Crude Oil and Natural Gas Production, Transmission and Distribution.
- 88. Subpart QQQQ - New Residential Hydronic Heaters and Forced-Air Furnaces.

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Article VII. National Emission Standards for Hazardous Air Pollutants

17.16.530 National Emissions Standards for Hazardous Air Pollutants (NESHAP).

A. Except as provided in subsections B, C, and D of this Section, the following subparts of 40 CFR 61, National Emission Standards for Hazardous Air Pollutants (NESHAPs), and all accompanying appendices, adopted as of ~~February 1, 2008~~ July 1, 2015, and no future editions or amendments, are incorporated by reference as applicable requirements. These standards are on file with the Department and shall be applied by the Department. These standards can be obtained from the U.S. Government Printing Office, Superintendent of Documents, Mail Stop SSOP, Washington D.C. 20402-9328.

- 1. Subpart A - General Provisions.



2. Subpart C - Beryllium.
 3. Subpart D - Beryllium Rocket Motor Firing.
 4. Subpart E - Mercury.
 5. Subpart F - Vinyl Chloride.
 6. Subpart J - Equipment Leaks (Fugitive Emission Sources) of Benzene.
 7. Subpart L - Benzene Emissions from Coke By-Product Recovery Plants.
 8. Subpart M – Asbestos.
 9. Subpart N - Inorganic Arsenic Emissions from Glass Manufacturing Plants.
 10. Subpart O - Inorganic Arsenic Emissions from Primary Copper Smelters.
 11. Subpart P - Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production.
 12. Subpart V - Equipment Leaks (Fugitive Emission Sources).
 13. Subpart Y - Benzene Emissions from Benzene Storage Vessels.
 14. Subpart BB - Benzene Emissions from Benzene Transfer Operations.
 15. Subpart FF - Benzene Waste Operations.
- B. Except as provided in subsection A, the following subparts of 40 CFR 63, NESHAPs for Source Categories, and all accompanying appendices, adopted as of ~~February 1, 2008~~ July 1, 2015, and no future editions or amendments, are incorporated by reference as applicable requirements. These standards are on file with the Department and shall be applied by the Department. These standards can be obtained from the U.S. Government Printing Office, Superintendent of Documents, Mail Stop SSOP, Washington D.C. 20402-9328.
1. Subpart A - General Provisions.
 2. Subpart B - Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Air Act Sections 112(g) and 112(j).
 3. Subpart D - Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants.
 4. Subpart F - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry.
 5. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.
 6. Subpart H - National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks.
 7. Subpart I - National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks.
 8. Subpart J - National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production.
 9. Subpart L - National Emission Standards for Coke Oven Batteries.
 10. Subpart M - National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities.
 11. Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.



- 12. Subpart O - Ethylene Oxide Emissions Standards for Sterilization Facilities.
- 13. Subpart Q - National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers.
- 14. Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations).
- 15. Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry.
- 16. Subpart T - National Emission Standards for Halogenated Solvent Cleaning.
- 17. Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins.
- 18. Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-Nylon Polyamides Production.
- 19. Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting.
- 20. Subpart AA - National Emission Standards for Hazardous Air Pollutants from Phosphoric Acid Manufacturing Plants.
- 21. Subpart BB - National Emission Standards for Hazardous Air Pollutants from Phosphate Fertilizers Production Plants.
- 22. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries.
- 23. Subpart DD - National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations.
- 24. Subpart EE - National Emission Standards for Magnetic Tape Manufacturing Operations.
- 25. Subpart GG - National Emission Standards for Aerospace Manufacturing and Rework Facilities.
- 26. Subpart HH - National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities.
- 27. Subpart JJ - National Emission Standards for Wood Furniture Manufacturing Operations.
- 28. Subpart KK - National Emission Standards for the Printing and Publishing Industry.
- 29. Subpart LL - National Emission Standards for Hazardous Air Pollutants for Primary Aluminum Reduction Plants.
- 30. Subpart MM - National Emission Standards for Hazardous Air Pollutants for Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semicemical Pulp Mills.
- 31. Subpart OO - National Emission Standards for Tanks-Level 1.
- 32. Subpart PP - National Emission Standards for Containers.
- 33. Subpart QQ - National Emission Standards for Surface Impoundments.
- 34. Subpart RR - National Emission Standards for Individual Drain Systems.
- 35. Subpart SS - National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.
- 36. Subpart TT - National Emission Standards for Equipment Leaks-Control Level 1.
- 37. Subpart UU - National Emission Standards for Equipment Leaks-Control Level 2 Standards.
- 38. Subpart VV - National Emission Standards for Oil-Water Separators and Organic-Water Separators.



39. Subpart WW - National Emission Standards for Storage Vessels (Tanks)-Control Level 2.
40. Subpart XX - National Emission Standards for Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations.
41. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards.
42. Subpart CCC - National Emission Standards for Hazardous Air Pollutants for Steel Pickling-HCl Process Facilities and Hydrochloric Acid Regeneration Plants.
43. Subpart DDD - National Emission Standards for Hazardous Air Pollutants for Mineral Wool Production.
44. Subpart EEE - National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.
45. Subpart GGG - National Emission Standards for Pharmaceuticals Production.
46. Subpart HHH - National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities.
47. Subpart III - National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production.
48. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins.
49. Subpart LLL - National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry.
50. Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production.
51. Subpart NNN - National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing.
52. Subpart OOO - National Emission Standards for Hazardous Air Pollutant Emissions: Manufacture of Amino/Phenolic Resins.
53. Subpart PPP - National Emission Standards for Hazardous Air Pollutant Emissions for Polyether Polyols Production.
54. Subpart QQQ - National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting.
55. Subpart RRR - National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production.
56. Subpart TTT - National Emission Standards for Hazardous Air Pollutants for Primary Lead Smelting.
57. Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.
58. Subpart VVV - National Emission Standards for Hazardous Air Pollutants: Publicly Owned Treatment Works.
59. Subpart XXX - National Emission Standards for Hazardous Air Pollutants for Ferroalloys Production: Ferromanganese and Silicomanganese.



- 60. Subpart AAAA - National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills.
- 61. Subpart CCCC - National Emission Standards for Hazardous Air Pollutants: Manufacturing of Nutritional Yeast.
- 62. Subpart DDDD - National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products.
- 63. Subpart EEEE - National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline).
- 64. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.
- 65. Subpart GGGG - National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production.
- 66. Subpart HHHH - National Emission Standards for Hazardous Air Pollutants for Wet-Formed Fiberglass Mat Production.
- 67. Subpart IIII - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks.
- 68. Subpart JJJJ - National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating.
- 69. Subpart KKKK - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans.
- 70. Subpart MMMM - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products.
- 71. Subpart NNNN - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Large Appliances.
- 72. Subpart OOOO - National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles.
- 73. Subpart PPPP - National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products.
- 74. Subpart QQQQ - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products.
- 75. Subpart RRRR - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Furniture.
- 76. Subpart SSSS - National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Coil.
- 77. Subpart TTTT - National Emission Standards for Hazardous Air Pollutants for Leather Finishing Operations.
- 78. Subpart UUUU - National Emission Standards for Hazardous Air Pollutants for Cellulose Products Manufacturing.
- 79. Subpart VVVV - National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing.
- 80. Subpart WWWW - National Emission Standards for Hazardous Air Pollutants: Reinforced Plastics Composites Production.



81. Subpart XXXX - National Emission Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing.
82. Subpart YYYY - National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines.
83. Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
84. Subpart AAAAA - National Emission Standards for Hazardous Air Pollutants for Lime Manufacturing Plants.
85. Subpart BBBBB - National Emission Standards for Hazardous Air Pollutants for Semiconductor Manufacturing.
86. Subpart CCCCC - National Emission Standards for Hazardous Air Pollutants for Coke Ovens: Pushing, Quenching and Battery Stacks.
87. Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.
- ~~87.~~ 88. Subpart EEEEE - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries.
- ~~88.~~ 89. Subpart FFFFF - National Emission Standards for Hazardous Air Pollutants for Integrated Iron and Steel Manufacturing Facilities.
- ~~89.~~ 90. Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants: Site Remediation.
- ~~90.~~ 91. Subpart HHHHH - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing.
- ~~91.~~ 92. Subpart IIIII - National Emission Standards for Hazardous Air Pollutants: Mercury Emissions from Mercury Cell Chlor-Alkali Plants.
- ~~92.~~ 93. Subpart JJJJJ - National Emission Standards for Hazardous Air Pollutants for Brick and Structural Clay Products Manufacturing.
- ~~93.~~ 94. Subpart KKKKK - National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing.
- ~~94.~~ 95. Subpart LLLLL - National Emission Standards for Hazardous Air Pollutants: Asphalt Processing and Asphalt Roofing Manufacturing.
- ~~95.~~ 96. Subpart MMMMM - National Emission Standards for Hazardous Air Pollutants: Flexible Polyurethane Foam Fabrication Operations.
- ~~96.~~ 97. Subpart NNNNN - National Emission Standards for Hazardous Air Pollutants: Hydrochloric Acid Production.
- ~~97.~~ 98. Subpart PTTTT - National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stand.
- ~~98.~~ 99. Subpart QQQQQ - National Emission Standards for Hazardous Air Pollutants for Friction-Materials Manufacturing Facilities.
- ~~99.~~ 100. Subpart RRRRR - National Emission Standards for Hazardous Air Pollutants: Taconite Iron Ore Processing.
- ~~100.~~ 101. Subpart SSSSS - National Emission Standards for Hazardous Air Pollutants for Refractory Products Manufacturing.



- ~~101.~~ 102. Subpart TTTTTT - National Emissions Standards for Hazardous Air Pollutants for Primary Magnesium Refining.
- 103. Subpart UUUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units.
- ~~102.~~ 104. Subpart WWWW - National Emission Standards for Hospital Ethylene Oxide Sterilizer.
- ~~103.~~ 105. Subpart YYYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities.
- ~~104.~~ 106. Subpart ZZZZZZ - National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources.
- ~~105.~~ 107. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities.
- ~~106.~~ 108. Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities.
- ~~107.~~ 109. Subpart DDDDDD - National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production Area Sources.
- ~~108.~~ 110. Subpart EEEEEEE - National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting Area Sources.
- ~~109.~~ 111. Subpart FFFFFFFF - National Emission Standards for Hazardous Air Pollutants for Secondary Copper Smelting Area Sources.
- ~~110.~~ 112. Subpart GGGGGG - National Emission Standards for Hazardous Air Pollutants for Primary Nonferrous Metals Area Sources-Zinc, Cadmium, and Beryllium.
- ~~111.~~ 113. Subpart HHHHHH - National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources.
- 114. Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources.
- ~~112.~~ 115. Subpart LLLLLL - National Emission Standards for Hazardous Air Pollutants for Acrylic and Modacrylic Fibers Production Area Sources.
- ~~113.~~ 116. Subpart MMMMMM - National Emission Standards for Hazardous Air Pollutants for Carbon Black Production Area Sources.
- ~~114.~~ 117. Subpart NNNNNN - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources: Chromium Compounds.
- ~~115.~~ 118. Subpart OOOOOO - National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources.
- ~~116.~~ 119. Subpart PPPPPP - National Emission Standards for Hazardous Air Pollutants for Lead Acid Battery Manufacturing Area Sources.
- ~~117.~~ 120. Subpart QQQQQQ - National Emission Standards for Hazardous Air Pollutants for Wood Preserving Area Sources.



- ~~118.~~ 121. Subpart RRRRRR - National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing Area Sources.
- ~~119.~~ 122. Subpart SSSSSS - National Emission Standards for Hazardous Air Pollutants for Glass Manufacturing Area Sources.
- ~~120.~~ 123. Subpart TTTTTT - National Emission Standards for Hazardous Air Pollutants for Secondary Nonferrous Metals Processing Area Sources.
- 124. Subpart VVVVVV - National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources.
- 125. Subpart WWWWWW - National Emission Standards for Hazardous Air Pollutants for Plating and Polishing Operations.
- 126. Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories.
- 127. Subpart YYYYYY - National Emission Standards for Hazardous Air Pollutants for Area Sources: Ferroalloys Production Facilities.
- 128. Subpart ZZZZZZ - National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries.
- 129. Subpart AAAAAAA - National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing.
- 130. Subpart BBBBBBB - National Emission Standards for Hazardous Air Pollutants for Area Sources: Chemical Preparations Industry.
- 131. Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing.
- 132. Subpart DDDDDDD - National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing.
- 133. Subpart EEEEEEE - National Emission Standards for Hazardous Air Pollutants: Gold Mine Ore Processing and Production Area Source Category.
- 134. Subpart HHHHHHH - National Emission Standards for Hazardous Air Pollutant Emissions for Polyvinyl Chloride and Copolymers Production.

- C. When used in 40 CFR 61 or 63, "Administrator" means the control officer except that the control officer shall not be authorized to approve alternate or equivalent test methods or alternate standards or work practices, except as specifically provided in 40 CFR 63 Subpart B.
- D. From the general standards identified in subsection A of this Section delete 40 CFR 61.04. All requests, reports, applications, submittals and other communications to the control officer pursuant to this Article shall be submitted to the Pima County Department of Environmental Quality, 33 N. Stone Ave, Suite 700, Tucson, AZ 85701.
- E. The control officer shall not be delegated authority to deal with equivalency determinations that are nontransferable through Section 112(h)(3) of the Act.