

US EPA ARCHIVE DOCUMENT



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

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Douglas W. Domenech
Secretary of Natural Resources

David K. Paylor
Director

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March 3, 2011

Ms. Diana Esher, Director
Air Protection Division (3AP00)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

RECEIVED
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Division Director (3AP00)

Reference: Federal NSPS, NESHAP
and MACT Regulations
Incorporated by Reference

Dear Ms. Esher:

On December 17, 2010, the State Air Pollution Control Board adopted a revision to the Regulations for the Control and Abatement of Air Pollution. A copy of the revision is attached and is effective on March 2, 2011.

The revision consists of amendments which incorporate into the state regulations all New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), and National Emission Standards for Hazardous Air Pollutants for Source Categories (MACT standards) which were published in final form in the Code of Federal Regulations dated July 1, 2010.

The revision is being provided in order for the department to retain its authority to enforce the NSPSs and NESHAPs under the delegation of authority granted by EPA on August 27, 1981 (46 FR 43300), and to enforce the MACT standards under the delegation of authority granted by EPA on January 26, 1999 (64 FR 3938) and January 8, 2002 (67 FR 825). Also, the regulation revision should not be construed as a revision to the Commonwealth of Virginia State Implementation Plan.

The department intends to enforce the federal standards in conformance with the delegation of authority identified in the previous paragraph. This fulfills the department's obligation to enforce the standards.

If you have any questions or need additional information, please let me know.

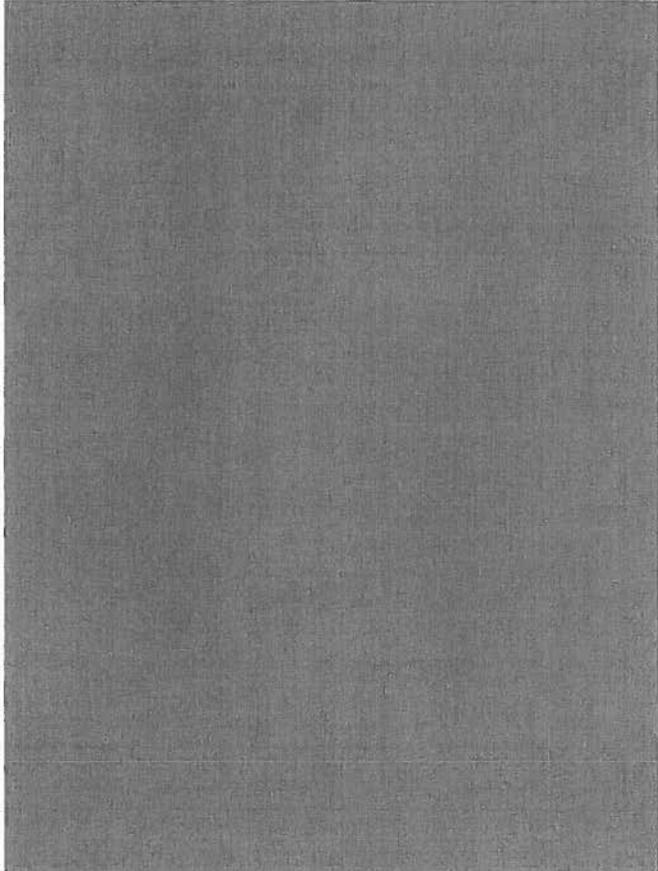
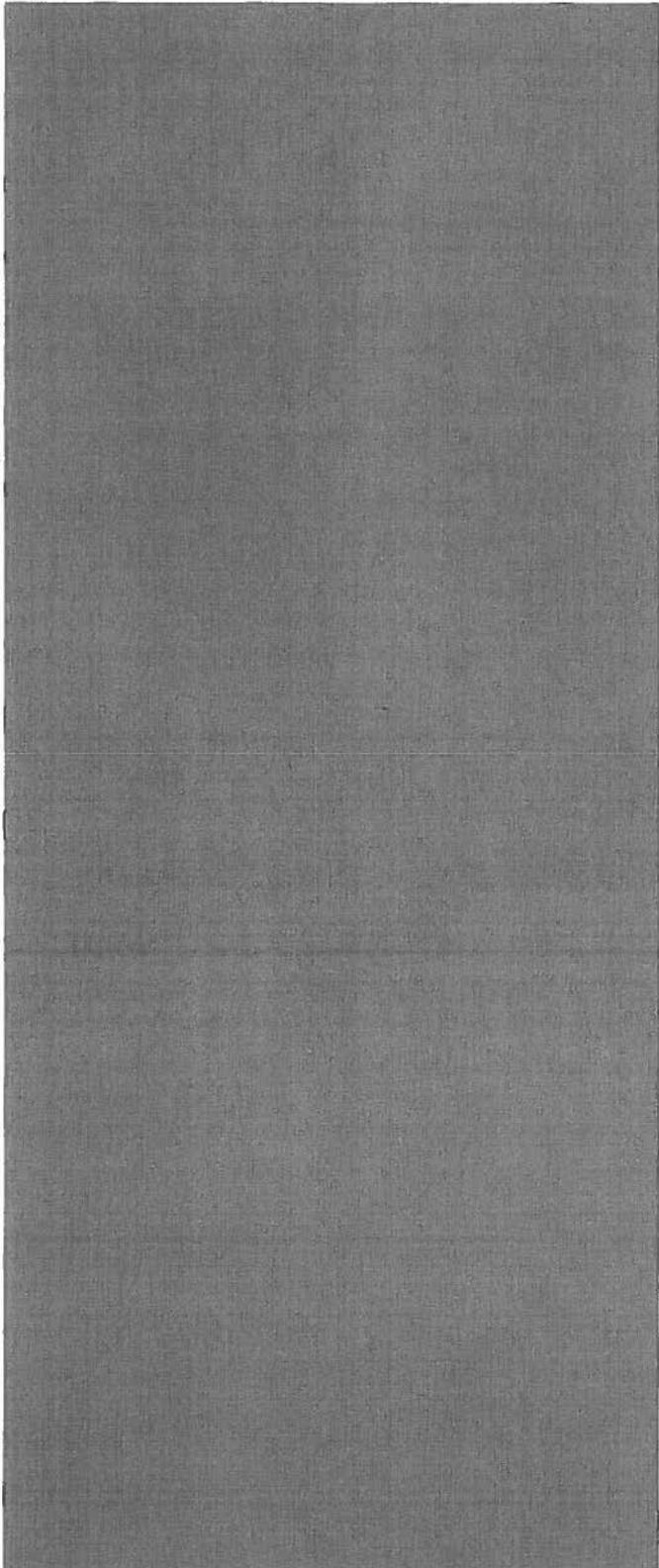
Sincerely,

A handwritten signature in black ink, appearing to read "Michael G. Dowd". The signature is written in a cursive style with a large, prominent initial "M".

Michael G. Dowd
Director, Air Division

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TITLE 9. ENVIRONMENT

STATE AIR POLLUTION CONTROL BOARD

Final Regulation

REGISTRAR'S NOTICE: The following regulatory action is exempt from the Administrative Process Act in accordance with § 2.2-4006 A 4 c of the Code of Virginia, which excludes regulations that are necessary to meet the requirements of federal law or regulations provided such regulations do not differ materially from those required by federal law or regulation. The State Air Pollution Control Board will receive, consider, and respond to petitions by any interested person at any time with respect to reconsideration or revision.

Titles of Regulations: 9VAC5-50. New and Modified Stationary Sources (Rev. G10) (amending 9VAC5-50-400, 9VAC5-50-410).

9VAC5-60. Hazardous Air Pollutant Sources (Rev. G10) (amending 9VAC5-60-60, 9VAC5-60-90, 9VAC5-60-100).

Statutory Authority: § 10.1-1308 of the Code of Virginia; § 112 of the federal Clean Air Act; 40 CFR Parts 61 and 63.

Regulations

Effective Date: March 2, 2011.

Agency Contact: Karen G. Sabasteanski, Department of Environmental Quality, 629 East Main Street, P.O. Box 1105, Richmond, VA 23218, telephone (804) 698-4426, FAX (804) 698-4510, TTY (804) 698-4021, or email karen.sabasteanski@deq.virginia.gov.

Summary:

The amendments update state regulations that incorporate by reference certain federal regulations to reflect the Code of Federal Regulations as published on July 1, 2010. Below is a list of the new standards in the federal regulations that are being incorporated into the regulations by reference:

1. 40 CFR Part 60, Standards of performance for new stationary sources: No new NSPSs are being incorporated; new provisions to the current standard for Coal Preparation and Processing Plants (Subpart Y) have been added, and the date of the Code of Federal Regulations book being incorporated by reference is being updated to the latest version.

2. 40 CFR Part 61, National emissions standards for hazardous air pollutants: No new NESHAPs are being incorporated; however, the date of the Code of Federal Regulations book being incorporated by reference is being updated to the latest version.

3. 40 CFR Part 63, national emissions standards for hazardous air pollutants for source categories: 5 new MACTs are being incorporated: Chemical Manufacturing Area Sources (Subpart VVVVVV, 40 CFR 63.11494-11503), Asphalt Processing and Asphalt Roofing Manufacturing Area Sources (Subpart AAAAAA, 40 CFR 63.11559-11567), Paints and Allied Products Manufacturing Area Sources (Subpart CCCCCC, 40 CFR 63.11599-11638), Chemical Preparations Industry Area Sources (Subpart BBBB BB, 40 CFR 63.11579-11588), and Prepared Feeds Manufacturing Area Sources (Subpart DDDDDDD, 40 CFR 63.11619-11638). The date of the Code of Federal Regulations book being incorporated by reference is being updated to the latest version.

Article 5

Environmental Protection Agency Standards of Performance for New Stationary Sources (Rule 5-5)

9VAC5-50-400. General.

The U.S. Environmental Protection Agency Regulations on Standards of Performance for New Stationary Sources (NSPSs), as promulgated in 40 CFR Part 60 and designated in 9VAC5-50-410 are, unless indicated otherwise, incorporated by reference into the regulations of the board as amended by the word or phrase substitutions given in 9VAC5-50-420. The complete text of the subparts in 9VAC5-50-410 incorporated

herein by reference is contained in 40 CFR Part 60. The 40 CFR section numbers appearing under each subpart in 9VAC5-50-410 identify the specific provisions of the subpart incorporated by reference. The specific version of the provision adopted by reference shall be that contained in the CFR (~~2009~~) (2010) in effect July 1, 2009 2010. In making reference to the Code of Federal Regulations, 40 CFR Part 60 means Part 60 of Title 40 of the Code of Federal Regulations; 40 CFR 60.1 means 60.1 in Part 60 of Title 40 of the Code of Federal Regulations.

9VAC5-50-410. Designated standards of performance.

Subpart A - General Provisions.

40 CFR 60.1 through 40 CFR 60.3, 40 CFR 60.7, 40 CFR 60.8, 40 CFR 60.11 through 40 CFR 60.15, 40 CFR 60.18 through 40 CFR 60.19

(applicability, definitions, units and abbreviations, notification and recordkeeping, performance tests, compliance, circumvention, monitoring requirements, modification, reconstruction, general control device requirements, and general notification and reporting requirements)

Subpart B - Not applicable.

Subpart C - Not applicable.

Subpart Ca - Reserved.

Subpart Cb - Not applicable.

Subpart Cc - Not applicable.

Subpart Cd - Not applicable.

Subpart Ce - Not applicable.

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

40 CFR 60.40 through 40 CFR 60.46

(fossil-fuel fired steam generating units of more than 250 million Btu per hour heat input rate, and fossil-fuel fired and wood-residue fired steam generating units capable of firing fossil fuel at a heat input rate of more than 250 million Btu per hour)

Subpart Da - Electric Utility Steam Generating Units for which Construction is Commenced after September 18, 1978.

40 CFR 60.40a through 40 CFR 60.49a

(electric utility steam generating units capable of combusting more than 250 million Btu per hour heat input of fossil fuel (either alone or in combination with any other fuel); electric utility combined cycle gas turbines capable of combusting more than 250 million Btu per hour heat input in the steam generator)

Subpart Db - Industrial-Commercial-Institutional Steam Generating Units.

40 CFR 60.40b through 40 CFR 60.49b

(industrial-commercial-institutional steam generating units which have a heat input capacity from combusted fuels of more than 100 million Btu per hour)

Subpart Dc - Small Industrial-Commercial-Institutional Steam Generating Units.

40 CFR 60.40c through 40 CFR 60.48c

(industrial-commercial-institutional steam generating units which have a heat input capacity of 100 million Btu per hour or less, but greater than or equal to 10 million Btu per hour)

Subpart E - Incinerators.

40 CFR 60.50 through 40 CFR 60.54

(incinerator units of more than 50 tons per day charging rate)

Subpart Ea - Municipal Waste Combustors for which Construction is Commenced after December 20, 1989, and on or before September 20, 1994

40 CFR 60.50a through 40 CFR 60.59a

(municipal waste combustor units with a capacity greater than 250 tons per day of municipal-type solid waste or refuse-derived fuel)

Subpart Eb - Large Municipal Combustors for which Construction is Commenced after September 20, 1994, or for which Modification or Reconstruction is Commenced after June 19, 1996

40 CFR 60.50b through 40 CFR 60.59b

(municipal waste combustor units with a capacity greater than 250 tons per day of municipal-type solid waste or refuse-derived fuel)

Subpart Ec - Hospital/Medical/Infectious Waste Incinerators for which Construction is Commenced after June 20, 1996

40 CFR 60.50c through 40 CFR 60.58c

(hospital/medical/infectious waste incinerators that combust any amount of hospital waste and medical/infectious waste or both)

Subpart F - Portland Cement Plants.

40 CFR 60.60 through 40 CFR 60.64

(kilns, clinker coolers, raw mill systems, finish mill systems, raw mill dryers, raw material storage, clinker storage, finished product storage, conveyor transfer points, bagging and bulk loading and unloading systems)

Subpart G - Nitric Acid Plants.

40 CFR 60.70 through 40 CFR 60.74

(nitric acid production units)

Subpart H - Sulfuric Acid Plants.

40 CFR 60.80 through 40 CFR 60.85

(sulfuric acid production units)

Subpart I - Hot Mix Asphalt Facilities.

40 CFR 60.90 through 40 CFR 60.93

(dryers; systems for screening, handling, storing and weighing hot aggregate; systems for loading, transferring and storing mineral filler; systems for mixing asphalt; and the loading, transfer and storage systems associated with emission control systems)

Subpart J - Petroleum Refineries.

40 CFR 60.100 through 40 CFR 60.106

(fluid catalytic cracking unit catalyst regenerators, fluid catalytic cracking unit incinerator-waste heat boilers and fuel gas combustion devices)

Subpart K - Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced after June 11, 1973, and prior to May 19, 1978.

40 CFR 60.110 through 40 CFR 60.113

(storage vessels with a capacity greater than 40,000 gallons)

Subpart Ka - Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced after May 18, 1978, and prior to July 23, 1984.

40 CFR 60.110a through 40 CFR 60.115a

(storage vessels with a capacity greater than 40,000 gallons)

Subpart Kb - Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984.

40 CFR 60.110b through 40 CFR 60.117b

(storage vessels with capacity greater than or equal to 10,566 gallons)

Subpart L - Secondary Lead Smelters.

40 CFR 60.120 through 40 CFR 60.123

(pot furnaces of more than 550 pound charging capacity, blast (cupola) furnaces and reverberatory furnaces)

Subpart M - Secondary Brass and Bronze Production Plants.

40 CFR 60.130 through 40 CFR 60.133

Regulations

(reverberatory and electric furnaces of 2205 pound or greater production capacity and blast (cupola) furnaces of 550 pounds per hour or greater production capacity)

Subpart N - Primary Emissions from Basic Oxygen Process Furnaces for which Construction is Commenced after June 11, 1973.

40 CFR 60.140 through 40 CFR 60.144

(basic oxygen process furnaces)

Subpart Na - Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for which Construction is Commenced after January 20, 1983.

40 CFR 60.140a through 40 CFR 60.145a

(facilities in an iron and steel plant: top-blown BOPFs and hot metal transfer stations and skimming stations used with bottom-blown or top-blown BOPFs)

Subpart O - Sewage Treatment Plants.

40 CFR 60.150 through 40 CFR 60.154

(incinerators that combust wastes containing more than 10% sewage sludge (dry basis) produced by municipal sewage treatment plants or incinerators that charge more than 2205 pounds per day municipal sewage sludge (dry basis))

Subpart P - Primary Copper Smelters.

40 CFR 60.160 through 40 CFR 60.166

(dryers, roasters, smelting furnaces, and copper converters)

Subpart Q - Primary Zinc Smelters.

40 CFR 60.170 through 40 CFR 60.176

(roasters and sintering machines)

Subpart R - Primary Lead Smelters

40 CFR 60.180 through 40 CFR 60.186

(sintering machines, sintering machine discharge ends, blast furnaces, dross reverberatory furnaces, electric smelting furnaces and converters)

Subpart S - Primary Aluminum Reduction Plants.

40 CFR 60.190 through 40 CFR 60.195

(potroom groups and anode bake plants)

Subpart T - Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants.

40 CFR 60.200 through 40 CFR 60.204

(reactors, filters, evaporators, and hot wells)

Subpart U - Phosphate Fertilizer Industry: Superphosphoric Acid Plants.

40 CFR 60.210 through 40 CFR 60.214

(evaporators, hot wells, acid sumps, and cooling tanks)

Subpart V - Phosphate Fertilizer Industry: Diammonium Phosphate Plants.

40 CFR 60.220 through 40 CFR 60.224

(reactors, granulators, dryers, coolers, screens, and mills)

Subpart W - Phosphate Fertilizer Industry: Triple Superphosphate Plants.

40 CFR 60.230 through 40 CFR 60.234

(mixers, curing belts (dens), reactors, granulators, dryers, cookers, screens, mills, and facilities which store run-of-pile triple superphosphate)

Subpart X - Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities.

40 CFR 60.240 through 40 CFR 60.244

(storage or curing piles, conveyors, elevators, screens and mills)

Subpart Y - Coal Preparation and Processing Plants.

40 CFR 60.250 through 40 CFR ~~60.254~~ 60.258

(plants which process more than 200 tons per day: thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), coal storage systems, and coal transfer and loading systems)

Subpart Z - Ferroalloy Production Facilities.

40 CFR 60.260 through 40 CFR 60.266

(electric submerged arc furnaces which produce silicon metal, ferrosilicon, calcium silicon, silicomanganese zirconium, ferrochrome silicon, silvery iron, high-carbon ferrochrome, charge chrome, standard ferromanganese, silicomanganese, ferromanganese silicon or calcium carbide; and dust-handling equipment)

Subpart AA - Steel Plants: Electric Arc Furnaces Constructed after October 21, 1974, and on or before August 17, 1983.

40 CFR 60.270 through 40 CFR 60.276

(electric arc furnaces and dust-handling systems that produce carbon, alloy or specialty steels)

Subpart AAa - Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed after August 17, 1983.

40 CFR 60.270a through 40 CFR 60.276a

(electric arc furnaces, argon-oxygen decarburization vessels, and dust-handling systems that produce carbon, alloy, or specialty steels)

Subpart BB - Kraft Pulp Mills.

40 CFR 60.280 through 40 CFR 60.285

(digester systems, brown stock washer systems, multiple effect evaporator systems, black liquor oxidation systems, recovery furnaces, smelt dissolving tanks, lime kilns, condensate strippers and kraft pulping operations)

Subpart CC - Glass Manufacturing Plants.

40 CFR 60.290 through 40 CFR 60.296

(glass melting furnaces)

Subpart DD - Grain Elevators.

40 CFR 60.300 through 40 CFR 60.304

(grain terminal elevators/grain storage elevators: truck unloading stations, truck loading stations, barge and ship unloading stations, barge and ship loading stations, railcar unloading stations, railcar loading stations, grain dryers, and all grain handling operations)

Subpart EE - Surface Coating of Metal Furniture.

40 CFR 60.310 through 40 CFR 60.316

(metal furniture surface coating operations in which organic coatings are applied)

Subpart FF - (Reserved)

Subpart GG - Stationary Gas Turbines.

40 CFR 60.330 through 40 CFR 60.335

(stationary gas turbines with a heat input at peak load equal to or greater than 10 million Btu per hour, based on the lower heating value of the fuel fired)

Subpart HH - Lime Manufacturing Plants.

40 CFR 60.340 through 40 CFR 60.344

(each rotary lime kiln)

Subparts II through JJ - (Reserved)

Subpart KK - Lead-Acid Battery Manufacturing Plants.

40 CFR 60.370 through 40 CFR 60.374

(lead-acid battery manufacturing plants that produce or have the design capacity to produce in one day (24 hours) batteries containing an amount of lead equal to or greater than 6.5 tons: grid casting facilities, paste mixing facilities, three-process operation facilities, lead oxide manufacturing facilities, lead reclamation facilities, and other lead-emitting operations)

Subpart LL - Metallic Mineral Processing Plants.

40 CFR 60.380 through 40 CFR 60.386

(each crusher and screen in open-pit mines; each crusher, screen, bucket elevator, conveyor belt transfer point, thermal dryer, product packaging station, storage bin, enclosed storage area, truck loading station, truck unloading station, railcar loading station, and railcar unloading station at the mill or concentrator with the following exceptions. All facilities located in underground mines are exempted from the provisions of this subpart. At uranium ore processing plants, all facilities subsequent to and including the beneficiation of uranium ore are exempted from the provisions of this subpart)

Subpart MM - Automobile and Light Duty Truck Surface Coating Operations.

40 CFR 60.390 through 40 CFR 60.397

(prime coat operations, guide coat operations, and top-coat operations)

Subpart NN - Phosphate Rock Plants.

40 CFR 60.400 through 40 CFR 60.404

(phosphate rock plants which have a maximum plant production capacity greater than 4 tons per hour: dryers, calciners, grinders, and ground rock handling and storage facilities, except those facilities producing or preparing phosphate rock solely for consumption in elemental phosphorous production)

Subpart OO - (Reserved)

Subpart PP - Ammonium Sulfate Manufacture.

40 CFR 60.420 through 40 CFR 60.424

(ammonium sulfate dryer within an ammonium sulfate manufacturing plant in the caprolactum by-product, synthetic, and coke oven by-product sectors of the ammonium sulfate industry)

Subpart QQ - Graphic Arts Industry: Publication Rotogravure Printing.

40 CFR 60.430 through 40 CFR 60.435

(publication rotogravure printing presses, except proof presses)

Subpart RR - Pressure Sensitive Tape and Label Surface Coating Operations.

40 CFR 60.440 through 40 CFR 60.447

(pressure sensitive tape and label material coating lines)

Subpart SS - Industrial Surface Coating: Large Appliances.

40 CFR 60.450 through 40 CFR 60.456

(surface coating operations in large appliance coating lines)

Regulations

Subpart TT - Metal Coil Surface Coating.

40 CFR 60.460 through 40 CFR 60.466

(metal coil surface coating operations: each prime coat operation, each finish coat operation, and each prime and finish coat operation combined when the finish coat is applied wet on wet over the prime coat and both coatings are cured simultaneously)

Subpart UU - Asphalt Processing and Asphalt Roofing Manufacture.

40 CFR 60.470 through 40 CFR 60.474

(each saturator and each mineral handling and storage facility at asphalt roofing plants; and each asphalt storage tank and each blowing still at asphalt processing plants, petroleum refineries, and asphalt roofing plants)

Subpart VV - Equipment Leaks of Volatile Organic Compounds in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and On or Before November 7, 2006.

40 CFR 60.480 through 40 CFR 60.489

(all equipment within a process unit in a synthetic organic chemicals manufacturing plant)

Subpart VVa - Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006.

40 CFR 60.480a through 40 CFR 60.489a

(all equipment within a process unit in a synthetic organic chemicals manufacturing plant)

Subpart WW - Beverage Can Surface Coating Industry.

40 CFR 60.490 through 40 CFR 60.496

(beverage can surface coating lines: each exterior base coat operation, each overvarnish coating operation, and each inside spray coating operation)

Subpart XX - Bulk Gasoline Terminals.

40 CFR 60.500 through 40 CFR 60.506

(total of all loading racks at a bulk gasoline terminal which deliver liquid product into gasoline tank trucks)

Subparts YY through ZZ - (Reserved)

Subpart AAA - New Residential Wood Heaters.

40 CFR 60.530 through 40 CFR 60.539b

(wood heaters)

Subpart BBB - Rubber Tire Manufacturing Industry.

40 CFR 60.540 through 40 CFR 60.548

(each undertread cementing operation, each sidewall cementing operation, each tread end cementing operation, each bead cementing operation, each green tire spraying operation, each Michelin-A operation, each Michelin-B operation, and each Michelin-C automatic operation)

Subpart CCC - (Reserved)

Subpart DDD - Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry.

40 CFR 60.560 through 40 CFR 60.566

(for polypropylene and polyethylene manufacturing using a continuous process that emits continuously or intermittently: all equipment used in the manufacture of these polymers. For polystyrene manufacturing using a continuous process that emits continuously: each material recovery section. For poly(ethylene terephthalate) manufacturing using a continuous process that emits continuously: each polymerization reaction section; if dimethyl terephthalate is used in the process, each material recovery section is also an affected facility; if terephthalic acid is used in the process, each raw materials preparation section is also an affected facility. For VOC emissions from equipment leaks: each group of fugitive emissions equipment within any process unit, excluding poly(ethylene terephthalate) manufacture.)

Subpart EEE - (Reserved)

Subpart FFF - Flexible Vinyl and Urethane Coating and Printing.

40 CFR 60.580 through 40 CFR 60.585

(each rotogravure printing line used to print or coat flexible vinyl or urethane products)

Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After January 4, 1983, and On or Before November 7, 2006.

40 CFR 60.590 through 40 CFR 60.593

(each compressor, valve, pump pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in VOC service)

Subpart GGGa - Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After November 7, 2006.

40 CFR 60.590a through 40 CFR 60.593a

(each compressor, valve, pump pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in VOC service)

Subpart HHH - Synthetic Fiber Production Facilities.

40 CFR 60.600 through 40 CFR 60.604

(each solvent-spun synthetic fiber process that produces more than 500 megagrams of fiber per year)

Subpart III - Volatile Organic Compound (VOC) Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes.

40 CFR 60.610 through 40 CFR 60.618

(each air oxidation reactor not discharging its vent stream into a recovery system and each combination of an air oxidation reactor or two or more air oxidation reactors and the recovery system into which the vent streams are discharged)

Subpart JJJ - Petroleum Dry Cleaners.

40 CFR 60.620 through 40 CFR 60.625

(facilities located at a petroleum dry cleaning plant with a total manufacturers' rated dryer capacity equal to or greater than 84 pounds: petroleum solvent dry cleaning dryers, washers, filters, stills, and settling tanks)

Subpart KKK - Equipment Leaks of VOC from Onshore Natural Gas Processing Plants.

40 CFR 60.630 through 40 CFR 60.636

(each compressor in VOC service or in wet gas service; each pump, pressure relief device, open-ended valve or line, valve, and flange or other connector that is in VOC service or in wet gas service, and any device or system required by this subpart)

Subpart LLL - Onshore Natural Gas Processing: Sulfur Dioxide Emissions.

40 CFR 60.640 through 40 CFR 60.648

(facilities that process natural gas: each sweetening unit, and each sweetening unit followed by a sulfur recovery unit)

Subpart MMM - (Reserved)

Subpart NNN - Volatile Organic Compound (VOC) Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations.

40 CFR 60.660 through 40 CFR 60.668

(each distillation unit not discharging its vent stream into a recovery system, each combination of a distillation unit or of two or more units and the recovery system into which their vent streams are discharged)

Subpart OOO - Nonmetallic Mineral Processing Plants.

40 CFR 60.670 through 40 CFR 60.676

(facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging

operation, storage bin, enclosed truck or railcar loading station)

Subpart PPP - Wool Fiberglass Insulation Manufacturing Plants.

40 CFR 60.680 through 40 CFR 60.685

(each rotary spin wool fiberglass insulation manufacturing line)

Subpart QQQ - VOC Emissions from Petroleum Refinery Wastewater Systems.

40 CFR 60.690 through 40 CFR 60.699

(individual drain systems, oil-water separators, and aggregate facilities in petroleum refineries)

Subpart RRR - Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes.

40 CFR 60.700 through 40 CFR 60.708

(each reactor process not discharging its vent stream into a recovery system, each combination of a reactor process and the recovery system into which its vent stream is discharged, and each combination of two or more reactor processes and the common recovery system into which their vent streams are discharged)

Subpart SSS - Magnetic Tape Coating Facilities.

40 CFR 60.710 through 40 CFR 60.718

(each coating operation and each piece of coating mix preparation equipment)

Subpart TTT - Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines.

40 CFR 60.720 through 40 CFR 60.726

(each spray booth in which plastic parts for use in the manufacture of business machines receive prime coats, color coats, texture coats, or touch-up coats)

Subpart UUU - Calciners and Dryers in Mineral Industries.

40 CFR 60.730 through 40 CFR 60.737

(each calciner and dryer at a mineral processing plant)

Subpart VVV - Polymeric Coating of Supporting Substrates Facilities.

40 CFR 60.740 through 40 CFR 60.748

(each coating operation and any onsite coating mix preparation equipment used to prepare coatings for the polymeric coating of supporting substrates)

Subpart WWW - Municipal Solid Waste Landfills.

40 CFR 60.750 through 40 CFR 60.759

Regulations

(municipal solid waste landfills for the containment of household and RCRA Subtitle D wastes)

Subpart AAAA - Small Municipal Waste Combustors for which Construction is Commenced after August 30, 1999, or for which Modification or Reconstruction is Commenced after June 6, 2001.

40 CFR 60.1000 through 40 CFR 60.1465

(municipal waste combustor units with a capacity less than 250 tons per day and greater than 35 tons per day of municipal solid waste or refuse-derived fuel)

Subpart BBBB - Not applicable.

Subpart CCCC - Commercial/Industrial Solid Waste Incinerators for which Construction is Commenced after November 30, 1999, or for which Modification or Construction is Commenced on or after June 1, 2001.

40 CFR 60.2000 through 40 CFR 60.2265

(an enclosed device using controlled flame combustion without energy recovery that is a distinct operating unit of any commercial or industrial facility, or an air curtain incinerator without energy recovery that is a distinct operating unit of any commercial or industrial facility)

Subpart DDDD - Not applicable.

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.

40 CFR 60.2880 through 40 CFR 60.2977

(very small municipal waste combustion units with the capacity to combust less than 35 tons per day of municipal solid waste or refuse-derived fuel, and institutional waste incineration units owned or operated by an organization having a governmental, educational, civic, or religious purpose)

Subpart FFFF - Reserved.

Subpart GGGG - Reserved.

Subpart HHHH - Reserved.

Subpart IIII - Stationary Compression Ignition Internal Combustion Engines.

40 CFR 60.4200 through 40 CFR 60.4219

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Subpart JJJJ - Stationary Spark Ignition Internal Combustion Engines.

40 CFR 60.4230 through 40 CFR 60.4248

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Subpart KKKK - Stationary Combustion Turbines.

40 CFR 60.4300 through 40 CFR 60.4420

(stationary combustion turbine with a heat input at peak load equal to or greater than 10.7 gigajoules (10 MMBtu) per hour)

Appendix A - Test methods.

Appendix B - Performance specifications.

Appendix C - Determination of Emission Rate Change.

Appendix D - Required Emission Inventory Information.

Appendix E - (Reserved)

Appendix F - Quality Assurance Procedures.

Appendix G - (Not applicable)

Appendix H - (Reserved)

Appendix I - Removable label and owner's manual.

Part II Emission Standards

Article I

Environmental Protection Agency National Emission Standards for Hazardous Air Pollutants (Rule 6-1)

9VAC5-60-60. General.

The Environmental Protection Agency (EPA) Regulations on National Emission Standards for Hazardous Air Pollutants (NESHAP), as promulgated in 40 CFR Part 61 and designated in 9VAC5-60-70 are, unless indicated otherwise, incorporated by reference into the regulations of the board as amended by the word or phrase substitutions given in 9VAC5-60-80. The complete text of the subparts in 9VAC5-60-70 incorporated herein by reference is contained in 40 CFR Part 61. The 40 CFR section numbers appearing under each subpart in 9VAC5-60-70 identify the specific provisions of the subpart incorporated by reference. The specific version of the provision adopted by reference shall be that contained in the CFR (~~2009~~) (2010) in effect July 1, ~~2009~~ 2010. In making reference to the Code of Federal Regulations, 40 CFR Part 61 means Part 61 of Title 40 of the Code of Federal Regulations; 40 CFR 61.01 means 61.01 in Part 61 of Title 40 of the Code of Federal Regulations.

Article 2**Environmental Protection Agency National Emission Standards for Hazardous Air Pollutants for Source Categories (Rule 6-2)****9VAC5-60-90. General.**

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants for Source Categories (Maximum Achievable Control Technologies, or MACTs) as promulgated in 40 CFR Part 63 and designated in 9VAC5-60-100 are, unless indicated otherwise, incorporated by reference into the regulations of the board as amended by the word or phrase substitutions given in 9VAC5-60-110. The complete text of the subparts in 9VAC5-60-100 incorporated herein by reference is contained in 40 CFR Part 63. The 40 CFR section numbers appearing under each subpart in 9VAC5-60-100 identify the specific provisions of the subpart incorporated by reference. The specific version of the provision adopted by reference shall be that contained in the CFR (~~2009~~) (2010) in effect July 1, ~~2009~~ 2010. In making reference to the Code of Federal Regulations, 40 CFR Part 63 means Part 63 of Title 40 of the Code of Federal Regulations; 40 CFR 63.1 means 63.1 in Part 63 of Title 40 of the Code of Federal Regulations.

9VAC5-60-100. Designated emission standards.**Subpart A - General Provisions.**

40 CFR 63.1 through 40 CFR 63.11; 40 CFR 63.16

(applicability, definitions, units and abbreviations, prohibited activities and circumvention, construction and reconstruction, compliance with standards and maintenance requirements, performance testing requirements, monitoring requirements, notification requirements, recordkeeping and reporting requirements, control device requirements, performance track provisions)

Subpart B - Not applicable.**Subpart C - List of Hazardous Air Pollutants, Petitions Process, Lesser Quantity Designations, Source Category List.**

40 CFR 63.60, 40 CFR 63.61, 40 CFR 63.62 and 40 CFR 63.63

(deletion of caprolactam from the list of hazardous air pollutants, deletion of methyl ethyl ketone from the list of hazardous air pollutants, redefinition of glycol ethers listed as hazardous air pollutants, deletion of ethylene glycol monobutyl ether)

Subpart D - Not applicable.**Subpart E - Not applicable.****Subpart F - Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry.**

40 CFR 63.100 through 40 CFR 63.106

(chemical manufacturing process units that manufacture as a primary product one or more of a listed chemical; use as a reactant or manufacture as a product, by-product, or co-product, one or more of a listed organic hazardous air pollutant; and are located at a plant site that is a major source as defined in § 112 of the federal Clean Air Act)

Subpart G - Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40 CFR 63.110 through 40 CFR 63.152

(all process vents, storage vessels, transfer operations, and wastewater streams within a source subject to Subpart F, 40 CFR 63.100 through 40 CFR 63.106)

Subpart H - Organic Hazardous Air Pollutants for Equipment Leaks.

40 CFR 63.160 through 40 CFR 63.182

(pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, surge control vessels, bottoms receivers, instrumentation systems, and control devices or systems that are intended to operate in organic hazardous air pollutant service 300 hours or more during the calendar year within a source subject to the provisions of a specific subpart in 40 CFR Part 63)

Subpart I - Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks.

40 CFR 63.190 through 40 CFR 63.192

(emissions of designated organic hazardous air pollutants from processes specified in this subpart that are located at a plant site that is a major source as defined in § 112 of the federal Clean Air Act)

Subpart J - Polyvinyl Chloride and Copolymers Production.

40 CFR 63.210 through 40 CFR 63.217

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Subpart K - Reserved.**Subpart L - Coke Oven Batteries.**

40 CFR 63.300 through 40 CFR 63.313

(existing by-product coke oven batteries at a coke plant, and existing nonrecovery coke oven batteries located at a coke plant)

Subpart M - Perchloroethylene Dry Cleaning Facilities.

40 CFR 63.320 through 40 CFR 63.325

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- (each dry cleaning facility that uses perchlorethylene)
- Subpart N - Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.**
40 CFR 63.340 through 40 CFR 63.347
(each chromium electroplating or chromium anodizing tank at facilities performing hard chromium electroplating, decorative chromium electroplating, or chromium anodizing)
- Subpart O - Ethylene Oxide Commercial Sterilization and Fumigation Operations.**
40 CFR 63.360 through 40 CFR 63.367
(sterilization sources using ethylene oxide in sterilization or fumigation operations)
- Subpart P - Reserved.**
- Subpart Q - Industrial Process Cooling Towers.**
40 CFR 63.400 through 40 CFR 63.406
(industrial process cooling towers that are operated with chromium-based water treatment chemicals)
- Subpart R - Gasoline Distribution Facilities.**
40 CFR 63.420 through 40 CFR 63.429
(bulk gasoline terminals and pipeline breakout stations)
- Subpart S - Pulp and Paper Industry.**
40 CFR 63.440 through 40 CFR 63.458
(processes that produce pulp, paper, or paperboard, and use the following processes and materials: kraft, soda, sulfite, or semi-chemical pulping processes using wood; or mechanical pulping processes using wood; or any process using secondary or nonwood fibers)
- Subpart T - Halogenated Solvent Cleaning.**
40 CFR 63.460 through 40 CFR 63.469
(each individual batch vapor, in-line vapor, in-line cold, and batch cold solvent cleaning machine that uses any solvent containing methylene chloride, perchlorethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, or chloroform)
- Subpart U - Group I Polymers and Resins.**
40 CFR 63.480 through 40 CFR 63.506
(elastomer product process units that produce butyl rubber, halobutyl rubber, epichlorohydrin elastomers, ethylene propylene rubber, Hypalon™, neoprene, nitrile butadiene rubber, nitrile butadiene latex, polysulfide rubber, polybutadiene rubber/styrene butadiene rubber by solution, styrene butadiene latex, and styrene butadiene rubber by emulsion)
- Subpart V - Reserved.**
- Subpart W - Epoxy Resins Production and Non-Nylon Polyamides Production.**
40 CFR 63.520 through 40 CFR 63.527
(manufacturers of basic liquid epoxy resins and wet strength resins)
- Subpart X - Secondary Lead Smelting.**
40 CFR 63.541 through 40 CFR 63.550
(at all secondary lead smelters: blast, reveratory, rotary, and electric smelting furnaces; refining kettles; agglomerating furnaces; dryers; process fugitive sources; and fugitive dust sources)
- Subpart Y - Marine Tank Vessel Tank Loading Operations.**
40 CFR 63.560 through 40 CFR 63.567
(marine tank vessel unloading operations at petroleum refineries)
- Subpart Z - Reserved.**
- Subpart AA - Phosphoric Acid Manufacturing Plants.**
40 CFR 63.600 through 40 CFR 63.610
(wet-process phosphoric acid process lines, evaporative cooling towers, rock dryers, rock calciners, superphosphoric acid process lines, purified acid process lines)
- Subpart BB - Phosphate Fertilizers Production Plants.**
40 CFR 63.620 through 40 CFR 63.631
(diammonium and monoammonium phosphate process lines, granular triple superphosphate process lines, and granular triple superphosphate storage buildings)
- Subpart CC - Petroleum Refineries.**
40 CFR 63.640 through 40 CFR 63.654
(storage tanks, equipment leaks, process vents, and wastewater collection and treatment systems at petroleum refineries)
- Subpart DD - Off-Site Waste and Recovery Operations.**
40 CFR 63.680 through 40 CFR 63.697
(operations that treat, store, recycle, and dispose of waste received from other operations that produce waste or recoverable materials as part of their manufacturing processes)
- Subpart EE - Magnetic Tape Manufacturing Operations.**
40 CFR 63.701 through 40 CFR 63.708
(manufacturers of magnetic tape)

Subpart FF - Reserved.

Subpart GG - Aerospace Manufacturing and Rework Facilities.

40 CFR 63.741 through 40 CFR 63.752

(facilities engaged in the manufacture or rework of commercial, civil, or military aerospace vehicles or components)

Subpart HH - Oil and Natural Gas Production Facilities.

40 CFR 63.760 through 40 CFR 63.779

(facilities that process, upgrade, or store hydrocarbon liquids or natural gas; ancillary equipment and compressors intended to operate in volatile hazardous air pollutant service)

Subpart II - Shipbuilding and Ship Repair (Surface Coating).

40 CFR 63.780 through 40 CFR 63.788

(shipbuilding and ship repair operations)

Subpart JJ - Wood Furniture Manufacturing Operations.

40 CFR 63.800 through 40 CFR 63.819

(finishing materials, adhesives, and strippable spray booth coatings; storage, transfer, and application of coatings and solvents)

Subpart KK - Printing and Publishing Industry.

40 CFR 63.820 through 40 CFR 63.831

(publication rotogravure, product and packaging rotogravure, and wide-web printing processes)

Subpart LL - Primary Aluminum Reduction Plants.

40 CFR 63.840 through 40 CFR 63.859

(each pitch storage tank, potline, paste production plant, or anode bulk furnace associated with primary aluminum production)

Subpart MM - Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite and Stand-Alone Semicheical Pulp Mills.

40 CFR 63.860 through 40 CFR 63.868

(chemical recovery systems, direct and nondirect contact evaporator recovery furnace systems, lime kilns, sulfite combustion units, semichemical combustion units)

Subpart NN - Reserved.

Subpart OO - Tanks--Level 1.

40 CFR 63.900 through 40 CFR 63.907

(for off-site waste and recovery operations, fixed-roof tanks)

Subpart PP - Containers.

40 CFR 63.920 through 40 CFR 63.928

(for off-site waste and recovery operations, containers)

Subpart QQ - Surface Impoundments.

40 CFR 63.940 through 40 CFR 63.948

(for off-site waste and recovery operations, surface impoundment covers and vents)

Subpart RR - Individual Drain Systems.

40 CFR 63.960 through 40 CFR 63.966

(for off-site waste and recovery operations, inspection and maintenance of individual drain systems)

Subpart SS - Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40 CFR 63.980 through 40 CFR 63.999

(closed vent systems, control devices, recovery devices, and routing to a fuel gas system or a process, when associated with facilities subject to a referencing subpart)

Subpart TT - Equipment Leaks - Control Level 1.

40 CFR 63.1000 through 40 CFR 63.1018

(control of air emissions from equipment leaks when associated with facilities subject to a referencing subpart)

Subpart UU - Equipment Leaks - Control Level 2.

40 CFR 63.1019 through 40 CFR 63.1039

(control of air emissions from equipment leaks when associated with facilities subject to a referencing subpart: pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, instrumentation systems, closed vent systems and control devices)

Subpart VV - Oil-Water Separators and Organic-Water Separators.

40 CFR 63.1040 through 40 CFR 63.1049

(for off-site waste and recovery operations, oil-water separators and organic-water separator roofs and vents)

Subpart WW - Storage Vessels (Tanks) - Control Level 2.

40 CFR 63.1060 through 40 CFR 63.1066

(storage vessels associated with facilities subject to a referencing subpart)

Subpart XX - Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste.

40 CFR 63.1080 through 40 CFR 63.1098

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(any cooling tower system or once-through cooling water system)

Subpart YY - Generic Maximum Achievable Control Technology Standards.

40 CFR 63.1100 through 40 CFR 63.1113

(acetal resins production, acrylic and modacrylic fibers production, hydrogen fluoride production, polycarbonate production)

Subpart ZZ - Reserved.

Subpart AAA - Reserved.

Subpart BBB - Reserved.

Subpart CCC - Steel Pickling - Hydrogen Chloride Process Facilities and Hydrochloric Acid Regeneration Plants.

40 CFR 63.1155 through 40 CFR 63.1174

(steel pickling facilities that pickle carbon steel using hydrochloric acid solution, hydrochloric acid regeneration plants)

Subpart DDD - Mineral Wool Production.

40 CFR 63.1175 through 40 CFR 63.1199

(cupolas and curing ovens at mineral wool manufacturing facilities)

Subpart EEE - Hazardous Waste Combustors.

40 CFR 63.1200 through 40 CFR 63.1221

(hazardous waste combustors)

Subpart FFF - Reserved.

Subpart GGG - Pharmaceutical Production.

40 CFR 63.1250 through 40 CFR 63.1261

(pharmaceutical manufacturing operations)

Subpart HHH - Natural Gas Transmission and Storage Facilities.

40 CFR 63.1270 through 40 CFR 63.1289

(natural gas transmission and storage facilities that transport or store natural gas prior to entering the pipeline to a local distribution company or to a final end user)

Subpart III - Flexible Polyurethane Foam Production.

40 CFR 63.1290 through 40 CFR 63.1309

(flexible polyurethane foam or rebond processes)

Subpart JJJ - Group IV Polymers and Resins.

40 CFR 63.1310 through 40 CFR 63.1335

(facilities which manufacture acrylonitrile butadiene styrene resin, styrene acrylonitrile resin, methyl

methacrylate butadiene styrene resin, polystyrene resin, poly(ethylene terephthalate) resin, or nitrile resin)

Subpart KKK - Reserved.

Subpart LLL - Portland Cement Manufacturing.

40 CFR 63.1340 through 40 CFR 63.1359

(kilns; in-line kilns/raw mills; clinker coolers; raw mills; finish mills; raw material dryers; raw material, clinker, or finished product storage bins; conveying system transfer points; bagging systems; bulk loading or unloading systems)

Subpart MMM - Pesticide Active Ingredient Production.

40 CFR 63.1360 through 40 CFR 63.1369

(pesticide active ingredient manufacturing process units, waste management units, heat exchange systems, and cooling towers)

Subpart NNN - Wool Fiberglass Manufacturing.

40 CFR 63.1380 through 40 CFR 63.1399

(glass melting furnaces, rotary spin wool fiberglass manufacturing lines producing bonded wool fiberglass building insulation or bonded heavy-density product)

Subpart OOO - Amino/Phenolic Resins Production.

40 CFR 63.1400 through 40 CFR 63.1419

(unit operations, process vents, storage vessels, equipment subject to leak provisions)

Subpart PPP - Polyether Polyols Production.

40 CFR 63.1420 through 40 CFR 63.1439

(polyether polyol manufacturing process units)

Subpart QQQ - Primary Copper Smelting.

40 CFR 63.1440 through 40 CFR 63.1459

(batch copper converters, including copper concentrate dryers, smelting furnaces, slag cleaning vessels, copper converter departments, and the entire group of fugitive emission sources)

Subpart RRR - Secondary Aluminum Production.

40 CFR 63.1500 through 40 CFR 63.1520

(scrap shredders; thermal chip dryers; scrap dryers/delacquering kilns/decoating kilns; group 2, sweat, dross-only furnaces; rotary dross coolers; processing units)

Subpart SSS - Reserved.

Subpart TTT - Primary Lead Smelting.

40 CFR 63.1541 through 40 CFR 63.1550

(sinter machines, blast furnaces, dross furnaces, process fugitive sources, fugitive dust sources)

Subpart UUU - Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units.

40 CFR 63.1560 through 40 CFR 63.1579

(petroleum refineries that produce transportation and heating fuels or lubricants, separate petroleum, or separate, crack, react, or reform an intermediate petroleum stream, or recover byproducts from an intermediate petroleum stream)

Subpart VVV - Publicly Owned Treatment Works.

40 CFR 63.1580 through 40 CFR 63.1595

(intercepting sewers, outfall sewers, sewage collection systems, pumping, power, and other equipment)

Subpart WWW - Reserved.

Subpart XXX - Ferroalloys Production: Ferromanganese and Silicomanganese.

40 CFR 63.1620 through 40 CFR 63.1679

(submerged arc furnaces, metal oxygen refining processes, crushing and screening operations, fugitive dust sources)

Subpart YYY - Reserved.

Subpart ZZZ - Reserved.

Subpart AAAA - Municipal Solid Waste Landfills.

40 CFR 63.1930 through 40 CFR 63.1990

(municipal solid waste landfills that have accepted waste since November 8, 1987, or have additional capacity for waste deposition)

Subpart BBBB - Reserved.

Subpart CCCC - Manufacturing of Nutritional Yeast.

40 CFR 63.2130 through 40 CFR 63.2192

(fermentation vessels)

Subpart DDDD - Plywood and Composite Wood Products.

40 CFR 63.2230 through 40 CFR 63.2292

(manufacture of plywood and composite wood products by bonding wood material or agricultural fiber with resin under heat and pressure to form a structural panel or engineered wood product)

Subpart EEEE - Organic Liquids Distribution (Nongasoline).

40 CFR 63.2330 through 40 CFR 63.2406

(transfer of noncrude oil liquids or liquid mixtures that contain organic hazardous air pollutants, or crude oils downstream of the first point of custody, via storage tanks,

transfer racks, equipment leak components associated with pipelines, and transport vehicles)

Subpart FFFF - Miscellaneous Organic Chemical Manufacturing.

40 CFR 63.2430 through 40 CFR 63.2550

(reaction, recovery, separation, purification, or other activity, operation, manufacture, or treatment that are used to produce a product or isolated intermediate)

Subpart GGGG - Solvent Extraction for Vegetable Oil Production.

40 CFR 63.2830 through 40 CFR 63.2872

(vegetable oil production processes)

Subpart HHHH--Wet-formed Fiberglass Mat Production.

40 CFR 63.2980 through 63.3079

(wet-formed fiberglass mat drying and curing ovens)

Subpart IIII - Surface Coating of Automobiles and Light-Duty Trucks.

40 CFR 63.3080 through 40 CFR 63.3176.

(application of topcoat to new automobile or new light-duty truck bodies or body parts)

Subpart JJJJ - Paper and Other Web Coating.

40 CFR 63.3280 through 40 CFR 63.3420

(web coating lines engaged in the coating of metal webs used in flexible packaging and in the coating of fabric substrates for use in pressure-sensitive tape and abrasive materials)

Subpart KKKK - Surface Coating of Metal Cans.

40 CFR 63.3480 through 40 CFR 63.3561

(application of coatings to a substrate using spray guns or dip tanks, including one- and two-piece draw and iron can body coating; sheetcoating; three-piece can body assembly coating; and end coating)

Subpart LLLL - Reserved.

Subpart MMMM - Surface Coating of Miscellaneous Metal Parts and Products.

40 CFR 63.3880 through 40 CFR 63.3981

(application of coatings to industrial, household, and consumer products)

Subpart NNNN - Surface Coating of Large Appliances.

40 CFR 63.4080 through 40 CFR 63.4181

(surface coating of a large appliance part or product, including cooking equipment; refrigerators, freezers, and

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refrigerated cabinets and cases; laundry equipment; dishwashers, trash compactors, and water heaters; and HVAC units, air-conditioning, air-conditioning and heating combination units, comfort furnaces, and electric heat pumps)

Subpart OOOO - Printing, Coating, and Dyeing of Fabrics and Other Textiles.

40 CFR 63.4280 through 40 CFR 63.4371

(printing, coating, slashing, dyeing, or finishing of fabric and other textiles)

Subpart PPPP - Surface Coating of Plastic Parts and Products.

40 CFR 63.4480 through 40 CFR 63.4581

(application of coating to a substrate using spray guns or dip tanks, including motor vehicle parts and accessories for automobiles, trucks, recreational vehicles; sporting and recreational goods; toys; business machines; laboratory and medical equipment; and household and other consumer products)

Subpart QQQQ - Surface Coating of Wood Building Products.

40 CFR 63.4680 through 40 CFR 63.4781

(finishing or laminating of wood building products used in the construction of a residential, commercial, or institutional building)

Subpart RRRR - Surface Coating of Metal Furniture.

40 CFR 63.4880 through 40 CFR 63.4981

(application of coatings to substrate using spray guns and dip tanks)

Subpart SSSS - Surface Coating of Metal Coil.

40 CFR 63.5080 through 40 CFR 63.5209

(organic coating to surface of metal coil, including web unwind or feed sections, work stations, curing ovens, wet sections, and quench stations)

Subpart TTTT - Leather Finishing Operations.

40 CFR 63.5280 through 40 CFR 63.5460

(multistage application of finishing materials to adjust and improve the physical and aesthetic characteristics of leather surfaces)

Subpart UUUU - Cellulose Products Manufacturing.

40 CFR 63.5480 through 40 CFR 63.5610

(cellulose food casing, rayon, cellulosic sponge, cellophane manufacturing, methyl cellulose, hydroxypropyl methyl cellulose, hydroxypropyl cellulose, hydroxyethyl cellulose, and carboxymethyl cellulose manufacturing industries)

Subpart VVVV - Boat Manufacturing.

40 CFR 63.5680 through 40 CFR 63.5779

(resin and gel coat operations, carpet and fabric adhesive operations, aluminum recreational boat surface coating operations)

Subpart WWWW - Reinforced Plastic Composites Production.

40 CFR 63.5780 through 40 CFR 63.5935

(reinforced or nonreinforced plastic composites or plastic molding compounds using thermostat resins and gel coats that contain styrene)

Subpart XXXX - Rubber Tire Manufacturing.

40 CFR 63.5980 through 40 CFR 63.6015

(production of rubber tires and components including rubber compounds, sidewalls, tread, tire beads, tire cord and liners)

Subpart YYYYY - Stationary Combustion Turbines.

40 CFR 63.6080 through 40 CFR 63.6175

(simple cycle, regenerative/recuperative cycle, cogeneration cycle, and combined cycle stationary combustion turbines)

Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines.

40 CFR 63.6580 through 40 CFR 63.6675.

(any stationary internal combustion engine that uses reciprocating motion to convert heat energy into mechanical work)

(NOTE: Authority to enforce provisions related to affected facilities located at a major source as defined in 40 CFR 63.6675 is being retained by the Commonwealth. Authority to enforce the area source provisions of the above standard is being retained by EPA. The provisions of this subpart as they apply to area sources are not incorporated by reference into these regulations)

Subpart AAAAA - Lime Manufacturing Plants.

40 CFR 63.7080 through 40 CFR 63.7143.

(manufacture of lime product, including calcium oxide, calcium oxide with magnesium oxide, or dead burned dolomite, by calcination of limestone, dolomite, shells or other calcareous substances)

Subpart BBBBB - Semiconductor Manufacturing.

40 CFR 63.7180 through 40 CFR 63.7195

(semiconductor manufacturing process units used to manufacture p-type and n-type semiconductors and active solid-state devices from a wafer substrate)

Subpart CCCCC - Coke Ovens: Pushing, Quenching, and Battery Stacks.

40 CFR 63.7280 through 40 CFR 63.7352

(pushing, soaking, quenching, and battery stacks at coke oven batteries)

Subpart DDDDD - Industrial, Commercial, and Institutional Boilers and Process Heaters.

40 CFR 63.7480 through 40 CFR 63.7575

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Subpart EEEEE - Iron and Steel Foundries.

40 CFR 63.7680 through 40 CFR 63.7765

(metal melting furnaces, scrap preheaters, pouring areas, pouring stations, automated conveyor and pallet cooling lines, automated shakeout lines, and mold and core making lines)

Subpart FFFFF - Integrated Iron and Steel Manufacturing.

40 CFR 63.7780 through 40 CFR 63.7852

(each sinter plant, blast furnace, and basic oxygen process furnace at an integrated iron and steel manufacturing facility)

Subpart GGGGG - Site Remediation.

40 CFR 63.7880 through 40 CFR 63.7957

(activities or processes used to remove, destroy, degrade, transform, immobilize, or otherwise manage remediation material)

Subpart HHHHH - Miscellaneous Coating Manufacturing.

40 CFR 63.7980 through 40 CFR 63.8105

(process vessels; storage tanks for feedstocks and products; pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, and instrumentation systems; wastewater tanks and transfer racks)

Subpart IIIII - Mercury Cell Chlor-Alkali Plants.

40 CFR 63.8180 through 40 CFR 63.8266

(byproduct hydrogen streams, end box ventilation system vents, and fugitive emission sources associated with cell rooms, hydrogen systems, caustic systems, and storage areas for mercury-containing wastes)

Subpart JJJJJ - Brick and Structural Clay Products Manufacturing.

40 CFR 63.8380 through 40 CFR 63.8515

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Subpart KKKKK - Ceramics Manufacturing.

40 CFR 63.8530 through 40 CFR 63.8665

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Subpart LLLLL - Asphalt Processing and Asphalt Roof Manufacturing.

40 CFR 63.8680 through 40 CFR 63.8698

(preparation of asphalt flux at stand-alone asphalt processing facilities, petroleum refineries, and asphalt roofing facilities)

Subpart MMMMM - Flexible Polyurethane Foam Fabrication Operations.

40 CFR 63.8780 through 40 CFR 63.8830

(flexible polyurethane foam fabrication plants using flame lamination or loop slitter adhesives)

Subpart NNNNN - Hydrochloric Acid Production.

40 CFR 63.8980 through 40 CFR 63.9075

(HCl production facilities that produce a liquid HCl product)

Subpart OOOOO - Reserved.

Subpart PTTTT - Engine Test Cells and Stands.

40 CFR Subpart 63.9280 through 40 CFR 63.9375

(any apparatus used for testing uninstalled stationary or uninstalled mobile (motive) engines)

Subpart QQQQQ - Friction Materials Manufacturing Facilities.

40 CFR 63.9480 through 40 CFR 63.9579

(friction materials manufacturing facilities that use a solvent-based process)

Subpart RRRRR - Taconite Iron Ore Processing.

40 CFR 63.9580 through 40 CFR 63.9652

(ore crushing and handling, ore dryer stacks, indurating furnace stacks, finished pellet handling, and fugitive dust)

Subpart SSSSS - Refractory Products Manufacturing.

40 CFR 63.9780 through 40 CFR 63.9824

(manufacture of refractory products, including refractory bricks and shapes, monolithics, kiln furniture, crucibles,

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and other materials for liming furnaces and other high temperature process units)

Subpart TTTTTT - Primary Magnesium Refining.

40 CFR 63.9880 through 40 CFR 63.9942

(spray dryer, magnesium chloride storage bin scrubber, melt/reactor system, and launder off-gas system stacks)

Subpart UUUUUU - Reserved.

Subpart VVVVVV - Reserved.

Subpart WWWW - Hospital Ethylene Oxide Sterilizer Area Sources.

40 CFR 63.10382 through 40 CFR 63.10448

(any enclosed vessel that is filled with ethylene oxide gas or an ethylene oxide/inert gas mixture for the purpose of sterilization)

Subpart XXXXXX - Reserved.

Subpart YYYYYY - Electric Arc Furnace Steelmaking Facility Area Sources.

40 CFR 63.10680 through 40 CFR 63.10692

(a steel plant that produces carbon, alloy, or specialty steels using an electric arc furnace)

Subpart ZZZZZZ - Iron and Steel Foundries Area Sources.

40 CFR 63.10880 through 40 CFR 63.10906

(a facility that melts scrap, ingot, and/or other forms of iron and/or steel and pours the resulting molten metal into molds to produce final or near final shape products for introduction into commerce)

Subpart AAAAAA - Reserved.

Subpart BBBBBB - Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, Area Sources.

40 CFR 63.11080 through 40 CFR 63.11100

(gasoline storage tanks, gasoline loading racks, vapor collection-equipped gasoline cargo tanks, and equipment components in vapor or liquid gasoline service)

Subpart CCCCCC - Gasoline Dispensing Facilities, Area Sources.

40 CFR 63.11110 through 40 CFR 63.11132

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Subpart DDDDDD - Polyvinyl Chloride and Copolymers Production Area Sources.

40 CFR 63.11140 through 40 CFR 63.11145

(plants that produce polyvinyl chloride or copolymers)

Subpart EEEEE - Primary Copper Smelting Area Sources.

40 CFR 63.11146 through 40 CFR 63.11152

(any installation or any intermediate process engaged in the production of copper from copper sulfide ore concentrates through the use of pyrometallurgical techniques)

Subpart FFFFFF - Secondary Copper Smelting Area Sources.

40 CFR 63.11153 through 40 CFR 63.11159

(a facility that processes copper scrap in a blast furnace and converter or that uses another pyrometallurgical purification process to produce anode copper from copper scrap, including low-grade copper scrap)

Subpart GGGGGG - Primary Nonferrous Metals Area Sources--Zinc, Cadmium, and Beryllium.

40 CFR 63.11160 through 40 CFR 63.11168

(cadmium melting furnaces used to melt cadmium or produce cadmium oxide from the cadmium recovered in the zinc production; primary beryllium production facilities engaged in the chemical processing of beryllium ore to produce beryllium metal, alloy, or oxide, or performing any of the intermediate steps in these processes; and primary zinc production facilities engaged in the production, or any intermediate process in the production, of zinc or zinc oxide from zinc sulfide ore concentrates through the use of pyrometallurgical techniques)

Subpart HHHHHH - Paint Stripping and Miscellaneous Surface Coating Operations Area Sources.

40 CFR 63.11169 through 40 CFR 63.11180

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Subpart IIIIII - Reserved.

Subpart JJJJJJ - Reserved.

Subpart KKKKKK - Reserved.

Subpart LLLLLL - Acrylic and Modacrylic Fibers Production Area Sources.

40 CFR 63.11393 through 40 CFR 63.11399

(production of either of the following synthetic fibers composed of acrylonitrile units: acrylic fiber or modacrylic fiber)

Subpart MMMMMM - Carbon Black Production Area Sources.

40 CFR 63.11400 through 40 CFR 63.11406

(carbon black production process units including all waste management units, maintenance wastewater, and

equipment components that contain or contact HAP that are associated with the carbon black production process unit)

Subpart NNNNNN - Chemical Manufacturing Area Sources: Chromium Compounds.

40 CFR 63.11407 through 40 CFR 63.11413

(any process that uses chromite ore as the basic feedstock to manufacture chromium compounds, primarily sodium dichromate, chromic acid, and chromic oxide)

Subpart OOOOOO - Flexible Polyurethane Foam Production and Fabrication Area Sources.

40 CFR 63.11414 through 40 CFR 63.11420

(a facility where pieces of flexible polyurethane foam are cut, bonded, and/or laminated together or to other substrates)

Subpart PPPPPP - Lead Acid Battery Manufacturing Area Sources.

40 CFR 63.11421 through 40 CFR 63.11427

(grid casting facilities, paste mixing facilities, three-process operation facilities, lead oxide manufacturing facilities, lead reclamation facilities, and any other lead-emitting operation that is associated with the lead acid battery manufacturing plant)

Subpart QQQQQQ - Wood Preserving Area Sources.

40 CFR 63.11428 through 40 CFR 63.11434

(pressure or thermal impregnation of chemicals into wood to provide effective long-term resistance to attack by fungi, bacteria, insects, and marine borers)

Subpart RRRRRR - Clay Ceramics Manufacturing Area Sources.

40 CFR 63.11435 through 40 CFR 63.11447

(manufacture of pressed tile, sanitaryware, dinnerware, or pottery with an atomized glaze spray booth or kiln that fires glazed ceramic ware)

Subpart SSSSSS - Glass Manufacturing Area Sources.

40 CFR 63.11448 through 40 CFR 63.11461

(manufacture of flat glass, glass containers, or pressed and blown glass by melting a mixture of raw materials to produce molten glass and form the molten glass into sheets, containers, or other shapes)

Subpart TTTTTT - Secondary Nonferrous Metals Processing Area Sources.

40 CFR 63.11462 through 40 CFR 63.11474

(all crushing and screening operations at a secondary zinc processing facility and all furnace melting operations

located at any secondary nonferrous metals processing facility)

Subpart UUUUUU - Reserved.

Subpart VVVVVV - ~~Reserved~~ Chemical Manufacturing Area Sources.

40 CFR 63.11494 through 40 CFR 11503

(each chemical manufacturing process unit that uses as feedstocks, generates as byproducts, or produces as products any of the following: 1,3-butadiene; 1,3-dichloropropene; acetaldehyde; chloroform; ethylene dichloride; methylene chloride; hexachlorobenzene; hydrazine; quinoline; or compounds of arsenic, cadmium, chromium, lead, manganese, or nickel)

Subpart WWWWWW - Plating and Polishing Operations, Area Sources.

40 CFR 63.11504 through 40 CFR 63.11513

(new and existing tanks, thermal spraying equipment, and mechanical polishing equipment used in non-chromium electroplating, electroless or non-electrolytic plating, non-electrolytic metal coating, dry mechanical polishing, electroforming, and electropolishing)

Subpart XXXXXX - Nine Metal Fabrication and Finishing Source Categories, Area Sources.

40 CFR 63.11514 through 40 CFR 63.11523

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Subpart YYYYYY - Ferroalloys Production Facilities, Area Sources.

40 CFR 63.11524 through 40 CFR 63.11543

(manufacture of silicon metal, ferrosilicon, ferrotitanium using the aluminum reduction process, ferrovanadium, ferromolybdenum, calcium silicon, silicomanganese zirconium, ferrochrome silicon, silvery iron, high-carbon ferrochrome, charge chrome, standard ferromanganese, silicomanganese, ferromanganese silicon, calcium carbide or other ferroalloy products using electrometallurgical operations including electric arc furnaces or other reaction vessels)

Subpart ZZZZZZ - Aluminum, Copper, and Other Nonferrous Foundries, Area Sources.

40 CFR 63.11544 through 40 CFR 63.11558

(NOTE: Authority to enforce the above standard is being retained by EPA and it is not incorporated by reference into these regulations.)

Regulations

Subpart AAAAAAA - Asphalt Processing and Asphalt Roofing Manufacturing Area Sources.

40 CFR 63.11559 through 40 CFR 63.11567

(asphalt processing operations that prepare asphalt flux at standalone asphalt processing facilities, petroleum refineries, and asphalt roofing facilities that include one or more asphalt flux blowing stills; and asphalt roofing manufacturing operations that manufacture asphalt roofing products through a series of sequential process steps depending upon whether the type of substrate used is organic or inorganic)

Subpart BBBBBBB - Chemical Preparations Industry Area Sources.

40 CFR 63.11579 through 40 CFR 63.11588

(any facility-wide collection of chemical preparation operations, including the collection of mixing, blending, milling, and extruding equipment used to manufacture chemical preparations that contain metal compounds for chromium, lead, manganese, and nickel)

Subpart CCCCCC - Paints and Allied Products Manufacturing Area Sources.

40 CFR 63.11599 through 40 CFR 63.11638

(paints and allied products manufacturing processes, including, weighing, blending, mixing, grinding, tinting, dilution or other formulation, as well as cleaning operations, material storage and transfer, and piping)

Subpart DDDDDDD - Prepared Feeds Manufacturing Area Sources.

40 CFR 63.11619 through 40 CFR 63.11638

(production of animal feed from the point in the process where a material containing chromium or manganese is added, to the point where the finished product leaves the facility, including areas where materials containing chromium and manganese are stored, areas where materials containing chromium and manganese are temporarily stored prior to addition to the feed at the mixer, mixing and grinding processes, pelleting and pellet cooling processes, packing and bagging processes, crumblers and screens, bulk loading operations, and all conveyors and other equipment that transfer feed materials)

Appendix A - Test Methods.

Appendix B - Sources Defined for Early Reduction Provisions.

Appendix C - Determination of the Fraction Biodegraded (F_{bio}) in a Biological Treatment Unit.

Appendix D - Alternative Validation Procedure for EPA Waste and Wastewater Methods.

VA.R. Doc. No. R11-2537; Filed January 6, 2011, 3:25 p.m.