

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION

9 VAC 5 CHAPTER 50.
NEW AND MODIFIED STATIONARY SOURCES.

PART II.
Emission Standards.

ARTICLE 5.
Environmental Protection Agency Standards of Performance
For New Stationary Sources (Rule 5-5).

9 VAC 5-50-400. General.

The U.S. Environmental Protection Agency Regulations on Standards of Performance for New Stationary Sources (40 CFR Part 60) designated in 9 VAC 5-50-410 are, unless indicated otherwise, incorporated by reference into these regulations as amended by the word or phrase substitutions given in 9 VAC 5-50-420. The complete text of the subparts in 9 VAC 5-50-410 incorporated herein by reference is contained in 40 CFR Part 60. The 40 CFR section numbers appearing under each subpart in 9 VAC 5-50-410 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 ~~(2004)~~ (2002) in effect July 1, ~~2004~~ 2002. 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 Section 60.1 in Part 60 of Title 40 of the Code of Federal Regulations.

9 VAC 5-50-410. Designated standards of performance.

Subpart A - General Provisions.

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

(applicability, definitions, units and abbreviations, notification
and record keeping, 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 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)

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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.

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40 CFR 60.40c through 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 60.59a

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

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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 combusts

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

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(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

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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,

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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 lb charging capacity, blast (cupola) furnaces and reverberatory furnaces)

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Subpart M - Secondary Brass and Bronze Production Plants.

40 CFR 60.130 through 40 CFR 60.133

(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

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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 percent 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)

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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.

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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

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

Subpart Y - Coal Preparation Plants.

40 CFR 60.250 through 40 CFR 60.254

(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)

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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

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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

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(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)

Subpart II - (Reserved)

Subpart JJ - (Reserved)

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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

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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 phosphorus production)

Subpart OO - (Reserved)

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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 caprolactam 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)

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Subpart SS - Industrial Surface Coating: Large Appliances.

40 CFR 60.450 through 40 CFR 60.456

(surface coating operations in large appliance coating lines)

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

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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.

40 CFR 60.480 through 40 CFR 60.489

(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

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

Subpart YY - (Reserved)

Subpart 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)

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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)

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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.

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 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)

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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.

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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

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(each distillation unit not discharging its vent stream into a recovery system, each combination of a distillation unit or of two of 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.

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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)

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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 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)

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Subpart WWW - Municipal Solid Waste Landfills

40 CFR 60.750 through 40 CFR 60.759

(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 - ~~Reserved~~ 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

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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 - ~~Reserved~~ Not applicable.

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.

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Appendix G - (Not applicable)

Appendix H - (Reserved)

Appendix I - Removable Label and Owner's Manual.

9 VAC 5-50-420. Word or phrase substitutions.

In all the standards designated in 9 VAC 5-50-410 ~~substitute~~ make the following substitutions:

1. In all the standards, board for Administrator.
2. In all the standards, board for U.S. Environmental Protection Agency (except in references).
3. In Subpart WWW, Department of Environmental Quality for State, local, or Tribal agency responsible for regulating the landfill. Waste management permits are issued by the department under the authority of the Virginia Waste Management Act (Title 10.1, Chapter 14, § 10.1-1400 et seq. of the Code of Virginia), using the procedures in Part VII (9 VAC 20-80-480 et seq.) of 9 VAC 20 Chapter 80.

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9 VAC 5 CHAPTER 60.

HAZARDOUS AIR POLLUTANT SOURCES.

PART II.

Emission Standards.

ARTICLE 1.

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

9 VAC 5-60-60. General.

The Environmental Protection Agency (EPA) Regulations on National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61) designated in 9 VAC 5-60-70 are, unless indicated otherwise, incorporated by reference into these regulations as amended by the word or phrase substitutions given in 9 VAC 5-60-80. The complete text of the subparts in 9 VAC 5-60-70 incorporated herein by reference is contained in 40 CFR Part 61. The 40 CFR section numbers appearing under each subpart in 9 VAC 5-60-70 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 ~~(2001)~~ (2002) in effect July 1, ~~2001~~ 2002. In making reference to the Code of Federal Regulations, 40 CFR Part 61 means Part 61 of Title 40 of the Code of Federal

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Regulations; 40 CFR 61.01 means Section 61.01 in Part 61 of Title 40 of the Code of Federal Regulations.

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HAZARDOUS AIR POLLUTANT SOURCES.

PART II.

Emission Standards.

ARTICLE 2.

Environmental Protection Agency National Emission Standards for
Hazardous Air Pollutants for Source Categories (Rule 6-2).

9 VAC 5-60-90. General.

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants for Source Categories (40 CFR Part 63) designated in 9 VAC 5-60-100 are, unless indicated otherwise, incorporated by reference into these regulations as amended by the word or phrase substitutions given in 9 VAC 5-60-110. The complete text of the subparts in 9 VAC 5-60-100 incorporated herein by reference is contained in 40 CFR Part 63. The 40 CFR section numbers appearing under each subpart in 9 VAC 5-60-100 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 ~~(2001)~~ 2002 in effect July 1, ~~2004~~ 2002. 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

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63.1 means Section 63.1 in Part 63 of Title 40 of the Code of Federal Regulations.

9 VAC 5-60-100. Designated emission standards.

Subpart A - General Provisions.

40 CFR 63.1 through 40 CFR 63.11

(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)

Subpart B - Not applicable.

Subpart C - Not applicable.

Subpart D - Not applicable.

Subpart E - Not applicable.

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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.

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40 CFR 60.160 through 40 CFR 60.182

(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 - Reserved.

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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

(each dry cleaning facility that uses perchloroethylene)

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

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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

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(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 non-wood 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)

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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

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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

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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

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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

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(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,

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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 Semichemical Pulp Mills.

40 CFR 63.860 through 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

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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)

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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:

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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 - Reserved.

Subpart YY - Generic Maximum Achievable Control Technology Standards

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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

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40 CFR 63.1175 through 63.1199

(cupolas and curing ovens at mineral wool manufacturing facilities)

Subpart EEE - Hazardous Waste Combustors

40 CFR 63.1200 through 40 CFR 63.1213

(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

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(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

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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 63.1399

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

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Subpart OOO - Amino/Phenolic Resins Production

40 CFR 63.1400 through 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 - ~~Reserved Primary Copper Smelting.~~

40 CFR 63.1440 through 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

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40 CFR 63.1500 through 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 - ~~Reserved~~ 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,

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react, or reform an intermediate petroleum stream, or
recover byproducts from an intermediate petroleum stream)

Subpart VVV - Publically Owned Treatment Works

40 CFR 63.1580 through 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.

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Subpart AAAA - Reserved.

Subpart BBBB - Reserved.

Subpart CCCC - Manufacturing of Nutritional Yeast.

40 CFR 63.2130 through 40 CFR 63.2192

(fermentation vessels)

Subpart DDDD - Reserved.

Subpart EEEE - Reserved.

Subpart FFFF - Reserved.

Subpart GGGG - Solvent Extraction for Vegetable Oil Production.

40 CFR 63.2830 through 40 CFR 63.2872

(vegetable oil production processes)

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Subpart HHHH - Wet-formed Fiberglass Mat Production.

40 CFR 63.2980 through 63.3079

(wet-formed fiberglass mat drying and curing ovens)

Subpart IIII - Reserved.

Subpart JJJJ - Reserved.

Subpart KKKK - Reserved.

Subpart LLLL - Reserved.

Subpart MMMM - Reserved.

Subpart NNNN - Reserved.

Subpart OOOO - Reserved.

Subpart PPPP - Reserved.

Subpart QQQQ - Reserved.

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Subpart RRRR - Reserved.

Subpart SSSS - Surface Coating of Metal Coil.

40 CFR 63.5080 through 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 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 63.5610

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(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 63.5779

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

Subpart WWWW - Reserved.

Subpart XXXX - Reserved.

Subpart YYYY - Reserved.

Subpart ZZZZ - Reserved.

Appendix A - Test Methods.

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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.

9 VAC 5-60-110. Word or phrase substitutions.

In all of the standards designated in 9 VAC 5-60-100 substitute:

- A. Board for administrator.
- B. Board for U.S. Environmental Protection Agency (except in references).

REGULATIONS FOR THE CONTROL AND ABATEMENT OF AIR POLLUTION

CERTIFICATION

REGULATION 9 VAC 5 CHAPTERS 50 AND 60 , REVISION I02
CONCERNING
FEDERAL DOCUMENTS INCORPORATED BY REFERENCE

I certify that this regulation is full, true, and correctly dated.

Signature: _____

Name of Certifying Official: Robert G. Burnley

Title: Director

Agency: Department of Environmental Quality

Date: _____

REG\DEV\I02-REG-FIN