TITLE 252. DEPARTMENT OF ENVIRONMENTAL QUALITY
CHAPTER 100. AIR POLLUTION CONTROL

APPENDIX H. DE MINIMIS FACILITIES [REVOKED]

This appendix is not to be used for purposes of Part 70 permitting as contained in Subchapter 8.

AGRICULTURAL

- Lawn care
- Weed control
- Pest control
- Farming operations, except open burning (see 252:100-13) and volatile organic compound ("VOC") storage (see Storage)
- Nursery/greenhouse operations
- Portable fertilizer plants with a maximum capacity of 1 ton/hour

WOODWORKING

- Portable wood chipping operations
- Woodworking (shaping, staining & varnishing) utilized for hobby purposes or maintenance of grounds or buildings

OFFICE & JANITORIAL

- Janitorial services
- Sweeping of floors (including the use of spill clean-up products such as Floor Sweep®)
- Business offices (photocopying, blueprint copying, photographic processes, etc.)
- Cleaning, polishing, and housekeeping activities associated with custodial duties
- Retail copying services

CLEANING & SURFACE PREPARATION

- Cold degreasing operations utilizing nonhalogenated solvents that are denser than air and/or that are covered when not in use. Must not be located in Tulsa or Oklahoma Counties (see OAC 252:100-39-42) nor subject to any federal standard.
- Solvent usage for spot cleaning and maintenance purposes not to exceed 1 gallon/month
- Emissions from laundry care equipment processing of bedding, clothing or other fabric items. These include dryers, extractors, & tumblers. NOT CLEANING OPERATIONS USING PERCHLOROETHYLENE OR PETROLEUM SOLVENTS (i.e., dry cleaning)
- Alkaline/phosphate washers and associated burners
- Acid washing (maintenance cleaning)
- Caustic washing (maintenance cleaning)
- Water washing or blasting
- Washing of mobile sources including aircraft
- Carbon dioxide blasting equipment in degreasing or depainting
- High pressure water depainting operations and aqueous industrial spray washers

- Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes, except those systems used to collect particulate matter subject to 252:100 and hazardous and/or toxic air contaminants
- Equipment used for portable steam cleaning
- Machine blowdown with air for cleaning/maintenance
- Ultrasonic cleaning operations which do not utilize volatile organic compounds
- Natural gas water heating systems for fixed vehicle wash racks
- Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam
- Commercial laundries (excluding dry cleaners)

INSULATION

- Installation or removal of non-asbestos insulation
- Repair and replacement of non-asbestos refractory & insulation

MAINTENANCE

- Welding, brazing, soldering for maintenance purposes
- Use of adhesives, glues, etc. for maintenance purposes
- Grinding, cutting, sanding of non-asbestos materials for maintenance purposes
- Pipeline maintenance pigging activities
- General maintenance, upkeep, and replacement activities, including those which do not alter the capacity of process, combustion or control equipment nor increase regulated pollutant emissions, unless subject to NESHAP or NSPS

FUGITIVES

- Landfills and land farms unless otherwise regulated by an applicable state or federal regulation.
- Seal replacement (e.g., manhole gaskets)
- Roof coating, service, and repair including tar and asphalt roofing operations
- Paving (excluding asphalt plants) of roads, parking lots, and other areas, except in Tulsa and Oklahoma Counties (see OAC 252:100-39-40)
- Vent emissions from gas streams used as buffer or seal gas in rotating pump and compressor seals
- Natural gas odorizing activities
- Pneumatic starters on reciprocating engines, turbines, compressors, or other equipment
- Gas or other flares used solely to indicate danger to the public (e.g. road hazard)
- Warehouse activities including the storage of packaged raw materials and finished goods
- Non-routine cleaning of tanks, lift stations, and equipment for the purposes of worker entry or in preparation for maintenance or decommissions
- Unpaved roadways and parking areas
- Gravel, sand and dirt storage for use in on-site construction projects unless part of a nonmetallic processing plant subject to 40 CFR Part 60, Subpart 000
- Materials, e.g., pharmaceuticals and disinfectants, used by an infirmary or clinic to care for the human or animal patients at the facility

- Fugitive emissions of jet fuels associated with aircraft fuel cell and fuel bladder repair
- Automobile/truck repair/maintenance excluding those with paint booths or those that use halogenated solvents and are subject to 40 CFR Part 63 Subpart T

WASTEWATER

- Removal of basic sediment & water from collection/storage systems (i.e., clarifiers)
- Removal of sludge or sediment from pits, ponds, sumps, or wastewater conveyance channels
- Application of industrial and/or municipal wastewater and sludges at land farms
- Ozonation process or process equipment including ozone generation for water treatment processes
- Sanitary sewerage and storm water runoff collection systems
- Commercial truck/car washes that use water and solvents
- Septic tank systems

ANALYSIS/TESTING

- Hydraulic or hydrostatic testing including pipe, casing and vessel pneumatic testing facilities
- Site assessment work, including but not limited to, the evaluation of waste disposal or remediation sites
- Instrument systems utilizing air or natural gas
- Environmental field sampling operations
- Compressed gas cylinders and gases utilized for equipment calibration and testing
- Field laboratory units conducting on-site testing or analysis of materials
- Science laboratories used for the purposes of teaching and research at educational institutions

PLASTICS/FIBERGLASS

- Plastic or fiberglass repair

OUTDOOR & RECREATIONAL

- Outdoor recreational emissions (campfires, barbecue pits)
- Outdoor non-plumbed restroom facilities (port-a-potties)
- Outdoor kerosene heaters or lamps

RESIDENTIAL

- Space heaters, boilers, fireplaces for heat & recreation, hot water heaters, stoves, ovens, gas dryers and other appliances with less than or equal to 5 MMBTU/hr heat input
- Heating, air conditioning and ventilation systems
- Residential housing units and multifamily dwellings to include fuel burning for heating, except prohibited open burning
- Stacks or vents to prevent escape of sewer gases from domestic waste through plumbing traps
- Residential LPG tanks

SURFACE COATING

- Surface coating for maintenance purposes
- Commercial mobile painting operations
- Residential painting/surface coating

STORAGE

- Lube oil, seal oil, or hydraulic fluid storage tanks and equipment as long as not emitting VOCs or HAPs
- Fuel/VOC storage tanks with less than 400 gallons capacity, or fuel/VOC storage tanks with less than 10,567 gallons capacity built after July 23, 1984, or tanks storing fuel/VOC that has a true vapor pressure at storage conditions less than 1.5 psia. This includes Fuel Oils Nos. 2 - 6, Nos. 2-GO - 4-GO, Diesel Fuel Oils Nos. 2-D - 4-D, and Kerosene.
- Storage and use of chemicals unless otherwise regulated by an applicable state or federal regulation
- Storage and use of products or equipment for maintaining motor vehicles operated at the site (including but not limited to antifreeze and fuel additives) not regulated under Title VI, CFC rules)
- Tanks containing separated water produced from oil and gas operations
- Retail/commercial gasoline dispensing stations unless otherwise covered by applicable state and federal regulations
- Lubricants and waxes used for machinery and other equipment lubrication and lubricating oil or hydraulic fluid storage tanks and equipment
- Runway and aircraft de-icing activities, including de-icer storage tanks unless otherwise regulated
- Oxygen storage tanks and associated equipment
- Storage tanks, reservoirs, and pumping and handling equipment of any size which contain soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized
- Crude oil tank bottom reclaiming

LUBRICATING

- Lubricating pumps, sumps, and systems
- Engine crankcase vents and equipment lubricating sumps

MOBILE SOURCES

- Mobile source emissions from cars, trucks, forklifts, courier vehicles, front loaders, graders, cranes, carts, hydrostatic and hydraulic testing equipment, maintenance trucks, helicopters, locomotives, marine vessels, portable generators (that are moveable by hand), portable pumps, portable air compressors, portable welding machines, and portable fuel tanks
- Other on and off road mobile sources (i.e. coal stacker & reclaimer)
- Aircraft ground support equipment (AGE), including but not limited to portable power generators, lights, HVAC support, and aircraft refueling equipment
- Vehicle exhaust from maintenance or repair shops
- Aircraft movement, including on-ground engine run-ups, takeoffs, landings, touch and go landings and inflight fuel jettisoning

- Road sanding and salting operations
- Mobile abrasive blasters

BATTERY CHARGING

- Battery recharging areas
- Industrial battery recharging and maintenance operations for batteries utilized within the facility only
- Backup power batteries

SOLID WASTE

- Municipal Solid Waste disposal containers, e.g. dumpsters
- Any closed municipal solid waste landfill that did not accept waste after 11/8/87 or which has no additional capacity to accept waste in the future.
- RCRA Solid Waste Management Units subject to 40 CFR Part 265, Subparts AA, BB, & CC
- Composting operations
- Construction and demolition waste landfills
- Municipal solid waste transfer stations
- Waste recycling, collection, sorting and baling facilities (e.g., aluminum, paper, glass, plastic, etc.)

BLOWDOWNS

- Blowdown of compressors or other vessels containing natural gas or liquid hydrocarbons for maintenance due to emergency circumstances
- Blowdown from compressed air lines

ANIMALS

- Animal kennels and veterinary clinics
- Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating

METALS

- Equipment used for inspection of metal products
- Die casting machines
- Foundry sand mold forming equipment to which no heat is applied, and from which no organics are emitted
- Equipment used exclusively for wire drawing either hot or cold metals
- Retail machine tool and die operations

COMBUSTION EQUIPMENT

- Space heaters and boilers less than 10 MMBTU/hr heat input
- Emissions from non-natural gas fueled stationary internal combustion engines rated less than 50 hp output
- Emissions from gas turbines with less than 215 kilowatt rating of electric output

- Natural gas fueled internal combustion engines rated <150 hp and <20 years old
- Emergency use equipment, unless utilized in excess of 500 hours per year, and associated fuel storage tankage

MISCELLANEOUS

- Exhaust systems for chemical, paint, and/or solvent storage rooms or cabinets, including hazardous waste satellite (accumulation) areas.
- Exhaust from food preparation for on-site/off-site human consumption (e.g. restaurants, fast food) or on-site retail sale
- Blue-line (blue-print) facilities
- Electrically operated bake-off ovens with a maximum capacity of 12 tons/hr
- Natural gas fired bake-off ovens and pottery kilns with a maximum capacity of 0.8 ton/hr
- Grinding of solid surfaces that do not contain asbestos if done in water where particles are captured
- Aerosol can spraying for miscellaneous use
- On-site construction of residential/commercial buildings

APPENDIX H. DE MINIMIS ~~FACILITIES~~ACTIVITIES LIST [NEW]

This appendix is to be used in conjunction with the definition of "de minimis facility" at OAC 252:100-7-1.1 to determine if a facility is subject to minor source permitting. The activities included on this list presumptively meet the criteria specified in (A) and (G) of the de minimis facility definition; however, this list is not exhaustive. Any activity that conforms to the criteria in (A) and (G) of the de minimis facility definition may be a de minimis activity even if it is not included on this list. Additionally, any activity that disqualifies a facility from meeting the definition of de minimis facility is not a de minimis activity even if it is included on this list. This appendix is not to be used for purposes of Part 70 permitting as contained in Subchapter 8.

A. AGRICULTURE

(1) Farming operations, except open burning (see OAC 252:100-13)
(2) Lawn care
(3) Nursery/greenhouse operations
(4) Pest control
(5) Weed control

B. ANALYSIS/TESTING

(1) Compressed gas cylinders and gases utilized for equipment calibration and testing
(2) Environmental field sampling operations
(3) Field laboratory units conducting on-site testing or analysis of materials
(4) Hydraulic or hydrostatic testing with solvent recovery, including pipe, casing, and vessel pneumatic testing facilities
(5) Instrument systems utilizing air
(6) Science laboratories used for the purposes of teaching and research at educational institutions
(7) Site assessment work, including but not limited to the evaluation of waste disposal or remediation sites

C. ANIMALS

(1) Animal kennels and veterinary clinics
(2) Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generators

D. CLEANING/SURFACE PREPARATION

(1) Acid/caustic washing for maintenance purposes
(2) Alkaline/phosphate washers
(3) Aqueous industrial spray washers
(4) Carbon dioxide blasting equipment in degreasing or depainting
(5) Cold degreasing operations utilizing nonhalogenated solvents that are denser than air and/or that are covered when not in use. Must not be located in Tulsa or Oklahoma Counties (see OAC 252:100-39-42) nor be subject to any federal standard.
(6) Commercial laundries, excluding dry cleaners

(7) Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam
(8) Emissions from laundry care equipment (e.g., dryers, extractors, and tumblers) for the processing of bedding, clothing, or other fabric items. Cleaning operations using perchloroethylene or petroleum solvents, such as dry cleaning, are not covered by this item.
(9) Equipment used for portable steam cleaning, excluding any emissions from the materials being cleaned
(10) High pressure water depainting operations
(11) Natural gas-fired water heating systems with less than 0.5 MMBTU/hr heat input for fixed vehicle wash racks
(12) Pressurized air cleaning of equipment
(13) Solvent usage for spot cleaning and maintenance purposes not to exceed 1 gallon/month that is not subject to any federal standard
(14) Ultrasonic cleaning operations which do not utilize volatile organic compounds
(15) Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes, except those systems subject to OAC 252:100
(16) Washing of mobile sources, including aircraft
(17) Water washing or blasting

E. COMBUSTION EQUIPMENT

(1) Any non-electric space heater less than or equal to 30 MBTU/hr heat input (commercial natural gas) that is not a boiler
(2) Boilers less than or equal to 5 MMBTU/hr heat input (commercial natural gas)
(3) Emissions from gas turbines with less than 215 kilowatt rating of electric output

F. INSULATION

(1) Installation or removal of non-asbestos insulation
(2) Repair and replacement of non-asbestos refractory and insulation

G. MAINTENANCE

(1) Grinding, cutting, and sanding of non-asbestos materials for maintenance purposes
(2) Lubricating machinery and other equipment
(3) Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, and plumbing) provided these activities are not conducted as part of a manufacturing process and are not related to the source's primary business activity
(4) Roof coating, service, and repair including tar and asphalt roofing operations
(5) Use of adhesives and glues for maintenance purposes
(6) Welding, brazing, and soldering for maintenance purposes

H. METALS

(1) Die casting machines
(2) Equipment used exclusively for wire drawing either hot or cold metals, except for the purpose of heat treating metal and/or atmospheric generators
(3) Equipment used for inspection of metal products
(4) Machine tool and die operations

I. MISCELLANEOUS

(1) Aerosol can spraying for miscellaneous use
(2) Battery charging and maintenance operations
(3) Blue-line (blue-print) facilities
(4) Compressed air starters on reciprocating engines, turbines, compressors, or other equipment
(5) Exhaust from noncommercial food preparation and from commercial food preparation for on-site retail sale and human consumption (e.g., restaurants)
(6) Exhaust systems for chemical, paint, and/or solvent storage rooms or cabinets, including hazardous waste satellite (accumulation) areas
(7) Flares used solely to indicate danger to the public (e.g., road hazard)
(8) Grinding of solid surfaces that do not contain asbestos, if done in water where particles are captured
(9) Hydrostatic and hydraulic testing equipment, portable generators (that are moveable by hand), portable pumps, portable air compressors, portable welding machines, and portable fuel tanks
(10) Manhole gasket replacement
(11) Materials used by an infirmary or clinic to care for the human or animal patients at the facility (e.g., pharmaceuticals and disinfectants)
(12) Natural gas-fired bake-off ovens and pottery kilns with a maximum capacity of 0.8 tons/hr of material fired
(13) Natural gas odorizing activities
(14) On-site construction of residential/commercial buildings
(15) Paving of roads, parking lots, and other areas, except for the use of cutback asphalt in Tulsa and Oklahoma Counties (see OAC 252:100-39-40)
(16) Warehouse activities, including the storage of packaged raw materials and finished goods

J. MOBILE SOURCES

(1) Aircraft ground support equipment, including but not limited to portable power generators, lights, HVAC support, and aircraft refueling equipment
(2) Aircraft movement, including on-ground engine run-ups, takeoffs, landings, touch and go landings, and inflight fuel jettisoning
(3) Automobile/truck repair/maintenance operations, excluding those with paint booths. In addition, no operations that use halogenated solvents, which are subject to 40 CFR Part 63 Subpart T, are considered de minimis.
(4) Fugitive emissions of jet fuels associated with aircraft fuel cell and fuel bladder repair
(5) Mobile source emissions from cars, trucks, forklifts, courier vehicles, front loaders, graders, cranes, carts, maintenance trucks, helicopters, locomotives, and marine vessels
(6) Other on- and off-road mobile sources (e.g., coal stackers, reclaimers, and stair cars)
(7) Road sanding and salting operations
(8) Runway and aircraft de-icing activities
(9) Vehicle exhaust from maintenance or repair shops

K. OFFICE/JANITORIAL

(1) Business offices (e.g., printing, photocopying, blueprint copying, and photographic processes)
(2) Cleaning, polishing, and housekeeping activities associated with custodial duties
(3) Retail copying services
(4) Retail or in-house janitorial services
(5) Sweeping of floors, including the use of spill clean-up products such as floor sweeping compounds

L. OUTDOOR/RECREATIONAL

(1) Outdoor kerosene heaters or lamps
(2) Outdoor recreational emissions (e.g., campfires and barbecue pits)
(3) Outdoor restroom facilities

M. RESIDENTIAL

(1) Emergency (backup) electrical generators at residential locations
(2) Heating, air conditioning, and ventilation systems
(3) Residential LPG tanks
(4) Space heaters, boilers, fireplaces for heat and recreation, hot water heaters, stoves, ovens, gas dryers, and other appliances with less than or equal to 0.5 MMBTU/hr heat input
(5) Stacks or vents that divert sewer gases from domestic waste away from plumbing traps

N. SOLID WASTE

(1) Any closed municipal solid waste landfill that did not accept waste after 11/8/87 and which has no additional capacity to accept waste in the future
(2) Composting operations
(3) Construction and demolition waste landfills
(4) Municipal solid waste disposal containers (e.g., dumpsters)
(5) Municipal solid waste transfer stations
(6) Waste recycling, collection, sorting, and baling facilities (e.g., aluminum, paper, glass, and plastic)

O. STORAGE

(1) Storage of fluids that have a true vapor pressure at storage conditions of less than 0.5 psia
(2) Storage of liquids for commercial and non-commercial food preparation
(3) Storage of lubricants and waxes used for machinery and other equipment lubrication
(4) Storage of oxygen and inert gases
(5) Storage of products for maintaining motor vehicles, including but not limited to antifreeze and fuel additives
(6) Storage of runway and aircraft de-icer agents
(7) Temporary gravel, sand, and dirt storage for use in on-site construction projects, unless part of a nonmetallic processing plant subject to 40 CFR Part 60, Subpart OOO

P. SURFACE COATING

(1) Commercial mobile painting operations
(2) Residential painting/surface coating
(3) Surface coating for maintenance purposes

Q. WASTEWATER

(1) Application of industrial and/or municipal wastewater and sludges at land farms

(2) Commercial truck/car washes that use water and solvents

(3) Ozonation process or process equipment, including ozone generation for water treatment processes

(4) Removal of basic sediment and water from collection/storage systems (i.e., clarifiers)

(5) Removal of sludge or sediment from pits, ponds, sumps, or wastewater conveyance channels

(6) Sanitary sewerage and storm water runoff collection systems

(7) Septic tank systems

R. WOODWORKING

(1) Wood chipping operations

(2) Woodworking (shaping, staining, and varnishing) for hobby purposes or for maintenance of grounds or buildings

APPENDIX I. INSIGNIFICANT ACTIVITIES (REGISTRATION) LIST [REVOKED]

Any Activity to which a State of federal applicable requirement applies is not insignificant even if it is included on this list.

COMBUSTION EQUIPMENT

* Stationary reciprocating engines burning natural gas, gasoline, aircraft fuels, or diesel fuel which are either used exclusively for emergency power generation or for peaking power service not exceeding 500 hours/year

Space heaters, boilers, process heaters, and emergency flares less than or equal to 5 MMBTU/hr heat input (commercial natural gas)

Emissions from stationary internal combustion engines rated less than 50 hp output

Emissions from gas turbines with less than 215 kilowatt rating of electric output

STORAGE TANKS/DISTRIBUTION

* Emissions from fuel storage/dispensing equipment operated solely for facility owned vehicles if fuel throughput is not more than 2,175 gallons/day, averaged over a 30 -day period

* Storage tanks with less than or equal to 10,000 gallons capacity that store volatile organic liquids with a true vapor pressure less than or equal to 1.0 psia at maximum storage temperature

* Bulk gasoline or other fuel distribution with a daily average throughput less than 2,175 gallons per day, including dispensing, averaged over a 30-day period

Gasoline and aircraft fuel handling facilities, equipment, and storage tanks except those subject to New Source Performance Standards and standards in 252:100-37-15, 252:100-39-30, 252:100-39-41, and 252:100-39-48

Emissions from condensate tanks with a design capacity of 400 gallons or less in ozone attainment areas

Emissions from crude oil and condensate marine and truck loading equipment operations at crude oil and natural gas production sites where the loading rate does not exceed 10,000 gallons per day averaged over a 30-day period

* Emissions from crude oil and condensate storage tanks with a capacity of less than or equal to 420,000 gallons that store crude oil and condensate prior to custody transfer

* Emissions from storage tanks constructed with a capacity less than 39,894 gallons which store VOC with a vapor pressure less than 1.5 psia at maximum storage temperature

ANALYSIS/LABORATORY ACTIVITIES

Additions or upgrades of instrumentation or control systems that result in emissions increases less than the pollutant quantities specified in 252:100-8-3 (e) (1)

EQUIPMENT

Alkaline/phosphate washers and associated burners

Cold degreasing operations utilizing solvents that are denser than air

* Welding and soldering operations utilizing less than 100 pounds of solder and 53 tons per year of electrodes

Wood chipping operations not associated with the primary process operation

* Torch cutting and welding of under 200,000 tons of steel fabricated per year

REMEDIATION

Site restoration and/or bioremediation activities of < 5 years expected duration

Hydrocarbon contaminated soil aeration pads utilized for soils excavated at the facility only

Emissions from the operation of groundwater remediation wells including but not limited to emissions from venting, pumping, and collecting activities subject to de minimis limits for air toxics (252:100-41-43) and HAPS (§112(b) of CAAA90)

SOLID WASTE

* Non-commercial water washing operations (less than 2,250 barrels/year) and drum crushing operations of empty barrels less than or equal to 55 gallons with less than three percent by volume of residual material

Hazardous waste and hazardous materials drum staging areas

Sanitary sewage collection and treatment facilities other than incinerators and Publicly Owned Treatment Works (POTW)

Stacks or vents for sanitary sewer plumbing traps are also included (i.e., lift station)

Emissions from landfills and land farms unless otherwise regulated by an applicable state or federal regulation

COATINGS

* Automobile body shops located in an ozone attainment area emitting less than 5 tons/year of volatile organic solvents

Electrophoretic-process coating application operations (i.e., paint bath positively charged, painted object negatively charged)

* Surface coating operations which do not exceed a combined total usage of more than 60 gallons/month of coatings, thinners, and clean-up solvents at any one emissions unit

MISCELLANEOUS

Exhaust systems for chemical, paint, and/or solvent storage rooms or cabinets, including hazardous waste satellite (accumulation) areas

Hand wiping and spraying of solvents from containers with less than 1 liter capacity used for spot cleaning and/or degreasing in ozone attainment areas

* Activities having the potential to emit no more than 5 TPY (actual) of any criteria pollutant (see instructions in Title V application)

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* Appropriate records of hours, quantity, or capacity must be kept on the activity to verify its insignificance

APPENDIX I. INSIGNIFICANT ACTIVITIES ~~(REGISTRATION)~~ LIST [NEW]

This appendix is to be used in conjunction with the "insignificant activities" definition at OAC 252:100-8-2 for purposes of Part 70 permitting only. The activities included on this list presumptively meet the criteria specified in (A) and (B) of the insignificant activities definition; however, this list is not exhaustive. Any activity that conforms to the criteria in (A) and (B) of the insignificant activities definition may be an insignificant activity even if it is not included on this list. Any activity that does not conform to the criteria in (A) and (B) of the insignificant activities definition is not an insignificant activity even if it is included on this list. Any activity to which a state or federal applicable requirement applies is not an insignificant activity even if it is included on this list. No source owner and/or operator may omit emissions from insignificant activities from emissions calculations to determine if a stationary source is subject to Part 70 or major NSR permitting.

A. ABRASIVE BLASTING

(1) Any abrasive blast room when vented to a control device that discharges back to the room

(2) Any blast cleaning equipment using a suspension of abrasive material in water and the control equipment venting such blast cleaning equipment

B. COMBUSTION EQUIPMENT

(1) Any non-electric space heater less than or equal to 30 MBTU/hr heat input (commercial natural gas) that is not a boiler

(2) Boilers and process heaters less than or equal to 5 MMBTU/hr heat input (commercial natural gas) that are not located at a major source of HAPs

(3) Emissions from gas turbines with less than 215 kilowatt rating of electric output

C. EQUIPMENT

(1) Alkaline/phosphate washers and associated burners

(2) Cold degreasing operations utilizing nonhalogenated solvents that are denser than air and/or that are covered when not in use. Must not be located in Tulsa or Oklahoma Counties (see OAC 252:100-39-42) nor be subject to any federal standard

(3) Welding, soldering, and brazing operations utilizing less than 100 pounds of solder and 53 tons per year of electrodes*

(4) Wood chipping operations

D. MISCELLANEOUS

(1) Additions or upgrades of instrumentation or control systems that result in emissions increases less than the pollutant quantities specified in the definition of "insignificant activities" at OAC 252:100-8-2

(2) Any refrigeration unit provided the unit contains less than 5 pounds of refrigerant and is not used in conjunction with air pollution control equipment

(3) Exhaust systems for chemical, paint, and/or solvent storage rooms or cabinets, including hazardous waste satellite (accumulation) areas

(4) Hand wiping and spraying of solvents from containers with less than 1 liter capacity used for spot cleaning and/or degreasing in ozone attainment areas

E. REMEDIATION

(1) Emissions from the operation of groundwater remediation wells including but not limited to emissions from venting, pumping, and collecting activities if the emissions are less than the major source levels for HAPS in the definition of "major source" in §112(a) of the Clean Air Act

(2) Hydrocarbon contaminated soil aeration pads utilized for soils excavated at the facility only

(3) Site restoration and/or bioremediation activities for which the remediation material contains less than 1 Mg of HAPs annually or which are conducted at select, exempted facilities as identified in 40 CFR 63.7881(b)

F. SOLID WASTE

(1) Hazardous waste and hazardous materials drum staging areas

(2) Non-commercial water washing operations (less than 500 barrels/year) and drum crushing operations of empty barrels less than or equal to 55 gallons with less than three percent by volume of residual material*

(3) Sanitary sewage collection and treatment facilities, other than incinerators and Publicly Owned Treatment Works

(4) Stacks or vents for sanitary sewer plumbing traps (i.e., lift station)

G. STORAGE TANKS/DISTRIBUTION

(1) Aircraft fuel handling facilities, equipment, and storage tanks except those subject to New Source Performance Standards and standards in OAC 252:100-37-15, OAC 252:100-37-16, OAC 252:100-39-30, and OAC 252:100-39-41

(2) Emissions from condensate tanks with a design capacity of 250 gallons or less in ozone attainment areas

(3) Emissions from fuel (non-gasoline) storage/dispensing equipment operated solely for facility owned vehicles if fuel throughput is not more than 2,175 gallons/day, averaged over a 30-day period*

(4) Emissions from storage tanks constructed with a capacity less than 20,000 gallons that store VOC with a vapor pressure less than 1.5 psia at maximum storage temperature*

*Appropriate records of hours, quantity, or capacity must be kept for the activity to verify its insignificance.

APPENDIX J. TRIVIAL ACTIVITIES (DE MINIMIS) LIST [REVOKED]

Any activity to which a State or federal applicable requirement applies is not trivial even if it is included on this list.

AGRICULTURAL

Lawn care (noncommercial)
Weed control (noncommercial)
Pest control (noncommercial)
Herbicide and pesticide activities except for manufacturing and formulation for commercial sale

ANALYSIS/TESTING

Hydraulic or hydrostatic testing
Analysis/laboratory activities emissions from the following: air contaminant detectors, air contaminant recorders, combustion controllers, combustion shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers (e.g., water quality), and emissions associated with sampling activities. Also, emissions from bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including assorted vacuum producing devices and vents but **NOT** lab fume hoods or vents
Site assessment work, including but not limited to, the evaluation of waste disposal or remediation sites
Emissions from instrument systems utilizing air or natural gas
Environmental field sampling operations
Sampling connections used exclusively to withdraw materials for testing and analysis, including air contaminant detectors and vent lines
Compressed gas cylinders and gases utilized for equipment calibration and testing

ANIMALS

Equipment used to mix and package soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized
Equipment used exclusively to slaughter animals, but **not** including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating

BATTERY CHARGING

Industrial battery recharging and maintenance operations for batteries utilized within the facility only

BLOWDOWNS

Emissions from the depressurization during startup, shut down, maintenance or emergencies of compressors or other vessels containing natural gas or liquid hydrocarbons for the purpose of maintenance due to emergency circumstances

CLEANING

Acid washing (maintenance cleaning)
Caustic washing (maintenance cleaning)
Abrasive blasting
Steam cleaning
Carbon dioxide blasting equipment in degreasing or depainting
High pressure water depainting operations and aqueous industrial spray washers
Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes, except those systems used to collect particulate matter subject to 252:100 and hazardous and/or toxic air contaminants
Ultrasonic cleaning operations which do not utilize volatile organic compounds
Molten salt bath descaling operations
Natural gas water heating systems for fixed vehicle wash racks

COOLING TOWERS/BOILER WATER

Emissions from non-contact cooling towers (cooling water that has not been in contact with other materials or fluids containing regulated air pollutants)
Boiler water treatment operations
Deaerator units associated with boilers or hot water heating systems
Process water filtration systems and demineralizers
Demineralized water tanks and demineralizer vents

ELECTRIC POWER

Equipment associated with electrical power transmission which do not involve fuel-burning activities using transformers and substations
Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam

FIREFIGHTING

Emissions from fire or emergency response equipment and training to include use of fire control equipment including equipment for testing and training, engines used exclusively for firefighting, and open burning of materials or fuels associated with firefighting training. Buildings burned for firefighting training must still adhere to NESHAP for Asbestos.
Fire extinguishers and fire extinguishing systems

FUGITIVE EMISSIONS

Seal replacement (i.e., manhole gaskets)

Roof coating, service, and repair

Paving of roads, parking lots, and other areas

Vent emissions from gas streams used as buffer or seal gas in rotating pump and compressor seals

Emissions from natural gas odorizing activities

Emissions from pneumatic starters on reciprocating engines, turbines, compressors, or other equipment

Gas flares or flares used solely to indicate danger to the public (e.g. road hazard)

Warehouse activities including the storage of packaged raw materials and finished goods

Non-routine clean out of tanks, lift stations, and equipment for the purposes of worker entry or in preparation for maintenance or decommissions

Unpaved roadways and parking areas

Gravel, sand and dirt storage for use in on-site construction projects

VOC fugitive emissions from component additions (e.g. valves, flanges, connectors, pump seals, compressor seals, etc.) regulated by a fugitive monitoring program where the total increase is less than one ton per year of any criteria pollutant or the de minimis set forth in 252: 100-41-43. The component additions must be identified in the next scheduled monitoring report required by the applicable requirements. VOC fugitive emissions from component additions (e.g. valves, flanges, connectors, pump seals, compressor seals, etc.) not regulated by a fugitive monitoring program provided that no applicable requirement is triggered when components are added.

Fugitive emissions of jet fuels associated with aircraft fuel cell and fuel bladder repair

Fugitive emissions related to movement of passenger vehicles provided the emissions are not counted for applicability purposes or any required fugitive dust control plan or its equivalent is submitted

INSULATION

Insulation installing or removal (non-asbestos)

Application of refractory & insulation (calcium silicate, etc.)

LUBRICATING

Lubricating pumps, sumps, and systems

Emissions from engine crankcase vents and equipment lubricating sumps

MAINTENANCE

Welding, brazing, soldering for maintenance purposes

Use of adhesives for maintenance purposes

Grinding, cutting, sanding for maintenance purposes

Emissions from pipeline maintenance pigging activities

Maintenance, upkeep, and replacement types of activities, including those not altering the capacity of process, combustion or control equipment, and which do not increase regulated pollutant emissions unless subject to NESHAP or NSPS

METALS

Equipment used for inspection of metal products

Die casting machines

Foundry sand mold forming equipment to which no heat is applied, and from which no organics are emitted

Equipment used exclusively to mill or grind coatings and holding compounds where all materials charged are in paste form (unless HAP emission)

Equipment used exclusively for rolling, forging, pressing, spinning, drawing, or extruding either hot or cold metals unless their emissions exceed any applicable regulated amount

Carbon monoxide lasers, used only on metals and other materials which do not emit HAP in the process

MISCELLANEOUS

Operations previously determined to be de minimis pursuant to 252:100-7-2(b)(3) or 252:100-41-43(a)(5)

Laser trimmers using dust collection to prevent fugitive emissions

Shock chambers

Humidity chambers

Solar simulators

MOBILE SOURCES

Mobile source emissions from cars, trucks, forklifts, courier vehicles, front loaders, graders, cranes, carts, hydrostatic and hydraulic testing equipment, maintenance trucks, helicopters, locomotives, marine vessels, portable generators moveable by hand, portable pumps, portable air compressors, portable welding machines, and portable fuel tanks

Other on and off road mobile sources (i.e. coal stacker & reclaimer)

Well servicing/workover rigs and associated equipment

Well drilling rigs and associated equipment

Aircraft ground support (AGE) equipment, including but not limited to portable power generators, lights, and HVAC support

Vehicle exhaust from maintenance or repair shops

Road sanding and salting operations

OFFICE AND JANITORIAL

Janitorial services

Sweeping (Floor Sweep)

Office emissions (photocopying, blueprint copying, photograph processes)

OUTDOOR RECREATION

Outdoor recreational emissions (campfires, barbecue pits)

Open burning for the purpose of land management (must get permission from Air Quality Enforcement even though exempt from permitting)

Outdoor kerosene heaters

PLASTICS/FIBERGLASS

Plastic or fiberglass welding or repair
Sealing or cutting plastic film or foam with heat or wires
Processes used for the curing of fiberglass or paint products

REFRIGERANTS

Cold storage refrigerator equipment
De minimis refrigerant releases

RESIDENTIAL

Air conditioning or comfort ventilation systems not regulated under Title VI of the Clean Air Act

Emissions from residential housing units, dormitories, and multifamily dwellings to include fuel burning for the purposes of heating except prohibited open burning

SOLID WASTE

Solid waste landfill operations

RCRA Solid Waste Management Units subject to 40 CFR Part 265, Subparts AA, BB, and CC

SOLVENT

Emissions from laundry care equipment processing bedding, clothing or other fabric items. These include dryers, extractors, & tumblers. NOT CLEANING OPERATIONS USING PERCHLOROETHYLENE OR PETROLEUM SOLVENTS (i.e., dry cleaning)

Covered cold solvent degreasers not subject to federal emission standards (e.g. NESHAP or NSPS)

STORAGE TANKS/DISTRIBUTION

Emissions from lube oil, seal oil, or hydraulic fluid storage tanks and equipment as long as not emitting VOCs or HAPs

Storage and use of chemicals unless otherwise regulated by an applicable state or federal regulation. These chemicals include, but not limited to: alum, ammonia, biocides, corrosion inhibitors, dechlorination chemicals, inorganic salts, acids or bases to include caustic and sulfuric acid, coagulants, flocculants, precipitants, surfactants, anti-foam chemicals, sealing inhibitors, oxygen scavengers, phosphates, polyelectrolytes, limestone slurry, lime and lime slurry, flue gas desulfurization system slurry, and sulfur slurry; propane and acetylene under pressure

Storage and use of products or equipment for maintaining motor vehicles operated at the site (including but not limited to antifreeze and fuel additives) not regulated under Title VI, CFC rules)

Emissions from tanks containing separated water produced from oil and gas operations

Commercial gasoline dispensing stations, including those located within the physical boundaries of a Title V source

Lubricants and waxes used for machinery and other equipment lubrication and emission from lubricating oil or hydraulic fluid storage tanks and equipment

Runway and aircraft de-icing activities, including de-icer storage tanks unless otherwise regulated

Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized

SURFACE COATING

Surface coating for maintenance purposes such as roll/brush/pad coating, painting with aerosol cans, spray airless, and conventional spray painting

Touch-up painting operations where paints/coatings are applied at less than one quart per hour

WASTEWATER

Removal of basic sediment & water from collection/storage systems (i.e., clarifiers)

Water and wastewater treatment and transportation system

Pit, ponds, sumps, or wastewater conveyance facilities

Emissions from skimmer pits, oil/water separators, and maintenance of filter separators

Emissions from the removal of sludge or sediment from pits, ponds, sumps, or wastewater conveyance facilities

Industrial and/or municipal wastewater treatment processes (excluding combustion or incineration equipment), storage silos for dry material (sludges), composting, or grease trap waste handling or treatment

Ozonization process or process equipment including ozone generation for water treatment processes

Sanitary sewerage and storm water runoff collection systems

Emissions from dredging pits, ponds, sumps, or other wastewater conveyance facilities

WOODWORKING

Wood working (saw-cutting, staining & varnishing) (noncommercial)
Woodworking utilized for hobby purposes or maintenance of grounds or buildings

APPENDIX J. TRIVIAL ACTIVITIES ~~(DE MINIMIS)~~ LIST [NEW]

This appendix is to be used in conjunction with the definition of "trivial activities" at OAC 252:100-8-2 for purposes of Part 70 permitting only. The activities included on this list presumptively meet the criteria specified in (A), (B), and (C) of the trivial activities definition; however, any activity that does not conform to the criteria in (A), (B), or (C) of the trivial activities definition is not a trivial activity even if it is included on this list. Any activity to which a state or federal applicable requirement applies is not trivial even if it is included on this list.

A. ANALYSIS/TESTING

(1) Analysis/laboratory activities
(2) Compressed gas cylinders and gases utilized for equipment calibration and testing
(3) Environmental field sampling operations
(4) Hydraulic or hydrostatic testing with solvent recovery, including pipe, casing, and vessel pneumatic testing facilities
(5) Instrument systems utilizing air
(6) Sampling connections used exclusively to withdraw materials for testing and analysis, including air contaminant detectors and vent lines, provided they are properly capped when not in use
(7) Site assessment work, including but not limited to the evaluation of waste disposal or remediation sites

B. ANIMALS

(1) Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generators
(2) Equipment used to mix and package soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized

C. BOILER WATER

(1) Boiler water treatment operations, not including cooling towers
(2) Deaerator units associated with boilers or hot water heating systems
(3) Demineralized water tanks and demineralizer vents
(4) Process water filtration systems and demineralizers

D. ELECTRIC POWER

(1) Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam
(2) Equipment associated with electrical power transmission, which do not involve fuel-burning activities, using transformers and substations

E. FIREFIGHTING

(1) Emissions from fire or emergency response equipment and training to include the following: use and testing of fire control equipment, engines used exclusively for firefighting,

and open burning of materials or fuels. Buildings burned for firefighting training must still adhere to NESHAP for asbestos.
(2) Fire extinguishers and fire extinguishing systems

F. FUGITIVE EMISSIONS

(1) Compressed air starters on reciprocating engines, turbines, compressors, or other equipment
(2) Flares used solely to indicate danger to the public (e.g., road hazard)
(3) Fugitive emissions of jet fuels associated with aircraft fuel cell and fuel bladder repair
(4) Fugitive emissions related to movement of passenger vehicles
(5) Manhole gasket replacement
(6) Natural gas odorizing activities
(7) Paving of roads, parking lots, and other areas, except for use of cutback asphalt in Tulsa and Oklahoma Counties (see OAC 252:100-39-40)
(8) Roof coating, service, and repair, including tar and asphalt roofing operations
(9) Temporary gravel, sand, and dirt storage for use in on-site construction projects, unless part of a nonmetallic processing plant subject to 40 CFR Part 60, Subpart OOO
(10) Warehouse activities, including the storage of packaged raw materials and finished goods

G. INSULATION

(1) Installation or removal of non-asbestos insulation
(2) Repair and replacement of non-asbestos refractory and insulation

H. LANDSCAPING AND RELATED SERVICES

(1) Lawn care
(2) Pest control
(3) Weed control

I. MAINTENANCE/CLEANING

(1) Abrasive blasting
(2) Acid/caustic washing for maintenance purposes
(3) Aqueous industrial spray washers
(4) Carbon dioxide blasting equipment in degreasing or depainting
(5) Grinding, cutting, and sanding of non-asbestos materials for maintenance purposes
(6) High pressure water depainting operations
(7) Lubricating machinery and other equipment
(8) Natural gas-fired water heating systems with less than 0.5 MMBTU/hr heat input for fixed vehicle wash racks
(9) Plant maintenance and upkeep activities (e.g., grounds keeping, general repairs, cleaning, painting, and plumbing) provided these activities are not conducted as part of a manufacturing process and are not related to the source's primary business activity
(10) Steam cleaning, except any emissions from the materials being cleaned
(11) Ultrasonic cleaning operations that do not utilize volatile organic compounds
(12) Use of adhesives and glues for maintenance purposes
(13) Use of products such as antifreeze and fuel additives for the purpose of maintaining vehicles

(14) Vacuum cleaning systems used exclusively for industrial, commercial, or residential housekeeping purposes, except those systems subject to OAC 252:100
(15) Welding, brazing, and soldering for maintenance purposes

J. METAL, WOOD, AND PLASTIC

(1) Die casting machines
(2) Equipment used exclusively for rolling, forging, pressing, spinning, drawing, or extruding either hot or cold metals, except for the purpose of heat treating metal and/or atmospheric generators
(3) Equipment used exclusively to mill or grind coatings and molding compounds where all materials charged to the equipment are in paste form, unless HAPs are emitted
(4) Equipment used for inspection of metal products
(5) Handheld equipment for polishing, grinding, or machining wood, metal, or plastic
(6) Non-commercial woodworking (e.g., saw-cutting, staining, and varnishing)
(7) Sealing or cutting plastic film or foam with heat or wires
(8) Woodworking utilized for maintenance of grounds or buildings

K. MISCELLANEOUS

(1) Air vents from air compressors and pneumatically operated equipment, including hand tools, emitting ambient air
(2) Bathroom/toilet vents
(3) Battery charging and maintenance operations
(4) Cold storage refrigerator equipment
(5) Emissions from laundry care equipment processing bedding, clothing, or other fabric items (e.g., dryers, extractors, and tumblers). Cleaning operations using perchloroethylene or petroleum solvents, such as dry cleaning, are not covered by this item.
(6) Environmental chambers not using HAP gases
(7) Humidity chambers
(8) Hydrostatic and hydraulic testing equipment, portable generators that are moveable by hand, portable pumps, portable air compressors, portable welding machines, and portable fuel tanks
(9) Shock chambers
(10) Smoking rooms and areas
(11) Solar simulators
(12) Vacuum-producing devices where only ambient air and the oil emission from the vacuum-producing mechanism itself are exhausted
(13) Venting of compressed natural gas, butane, or propane gas cylinders

L. MOBILE SOURCES

(1) Aircraft ground support equipment, including but not limited to portable power generators, lights, HVAC support, and aircraft refueling equipment
(2) Mobile source emissions from cars, trucks, forklifts, courier vehicles, front loaders, graders, cranes, carts, maintenance trucks, helicopters, locomotives, and marine vessels
(3) Other on- and off-road mobile sources (e.g., coal stackers, reclaimers, and stair cars)
(4) Road sanding and salting operations
(5) Runway and aircraft de-icing activities
(6) Vehicle exhaust from maintenance or repair shops

(7) Well drilling rigs and associated equipment
(8) Well servicing/workover rigs and associated equipment

M. OFFICE/JANITORIAL

(1) Business offices (e.g., printing, photocopying, blueprint copying, and photograph processes)
(2) Retail or in-house janitorial services
(3) Sweeping of floors, including the use of spill clean-up products such as floor sweeping compounds

N. OUTDOOR RECREATION

(1) Outdoor kerosene heaters or lamps
(2) Outdoor recreational emissions (e.g., campfires and barbecue pits)
(3) Outdoor restroom facilities

O. RESIDENTIAL

(1) Air conditioning or comfort ventilation systems not regulated under Title VI of the Clean Air Act
(2) Emergency (backup) electrical generators at residential locations
(3) Emissions from residential housing units, dormitories, and multifamily dwellings to include fuel burning for the purposes of heating, except prohibited open burning

P. STORAGE TANKS/DISTRIBUTION

(1) Storage and use of chemicals unless otherwise regulated by an applicable state or federal regulation
(2) Storage of liquids for commercial and non-commercial food preparation
(3) Storage of lube oil, seal oil, hydraulic fluid, or other low-vapor pressure fluids
(4) Storage of lubricants and waxes used for machinery and other equipment
(5) Storage of products for maintaining motor vehicles, including but not limited to antifreeze and fuel additives
(6) Storage of runway and aircraft de-icer agents

Q. SURFACE COATING

(1) Surface coating for maintenance purposes such as roll/brush/pad coating, painting with aerosol cans, spray airless, and conventional spray painting
(2) Touch-up painting operations where paints/coatings are applied at less than one quart per hour for all coatings combined

R. WASTEWATER

(1) Emissions from dredging pits, ponds, sumps, or other wastewater conveyance facilities
(2) Emissions from skimmer pits, oil/water separators not subject to OAC 252:100-37, and maintenance of filter separators
(3) Emissions from the removal of sludge or sediment from pits, ponds, sumps, or wastewater conveyance facilities

(4) Industrial and/or municipal wastewater treatment processes (excluding combustion or incineration equipment), storage silos for dry material (sludges), composting, or grease trap waste handling or treatment
(5) Ozonation process or process equipment including ozone generation for water treatment processes
(6) Pits, ponds, sumps, or wastewater conveyance facilities
(7) Removal of basic sediment and water from collection/storage systems (i.e., clarifiers)
(8) Sanitary sewerage and storm water runoff collection systems
(9) Water and wastewater treatment and transportation systems