

COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF ENVIRONMENTAL PROTECTION

310 CMR 7.00 AIR POLLUTION CONTROL REGULATIONS

Massachusetts Cities & Towns
with corresponding DEP
Regional Offices and Air Pollution Control Districts

City/Town	Region	District		City/Town	Region	District
	<u>A</u>			Ayer	C	MV
Abington	SE	MB			<u>B</u>	
Acton	C	MB		Barnstable	SE	SM
Acushnet	SE	SM		Barre	C	CM
Adams	W	B		Becket	W	B
Agawam	W	PV		Bedford	NE	MB
Alford	W	B		Belchertown	W	PV
Amesbury	NE	MV		Bellingham	C	SM
Amherst	W	PV		Belmont	NE	MB
Andover	NE	MV		Berkley	SE	SM
Arlington	NE	MB		Berlin	C	CM
Ashburnham	C	CM		Bernardston	W	PV
Ashby	C	CM		Beverly	NE	MB
Ashfield	W	PV		Billerica	NE	MV
Ashland	NE	MB		Blackstone	C	CM
Athol	W	CM		Blandford	W	PV
Attleboro	SE	SM		Bolton	C	MB
Auburn	C	CM		Boston	NE	MB
Avon	SE	MB		Bourne	SE	SM

City/Town	Region	District		City/Town	Region	District
Boxborough	C	MB		Chicopee	W	PV
Boxford	NE	MV		Chilmark	SE	SM
Boylston	C	CM		Clarksburg	W	B
Braintree	S	MB		Clinton	C	CM
Brewster	SE	SM		Cohasset	S	MB
Bridgewater	SE	MB		Colrain	W	PV
Brimfield	W	PV		Concord	NE	MB
Brockton	SE	MB		Conway	W	PV
Brookfield	C	CM		Cummington	W	PV
Brookline	NE	MB			<u>D</u>	
Buckland	W	PV		Dalton	W	B
Burlington	NE	MB		Danvers	NE	MB
	<u>C</u>			Dartmouth	SE	SM
Cambridge	NE	MB		Dedham	NE	MB
Canton	S	MB		Deerfield	W	PV
Carlisle	NE	MV		Dennis	SE	SM
Carver	SE	SM		Dighton	SE	SM
Charlemont	W	PV		Douglas	C	CM
Charlton	C	CM		Dover	NE	MV
Chatham	SE	SM		Dracut	NE	MV
Chelmsford	NE	MV		Dudley	C	CM
Chelsea	NE	MB		Dunstable	C	MV
Cheshire	W	B		Duxbury	SE	MB
Chester	W	PV			<u>E</u>	
Chesterfield	W	PV		E. Bridgewater	SE	MB

City/Town	Region	District		City/Town	Region	District
E. Longmeadow	W	PV		Gloucester	NE	MB
E. Brookfield	C	CM		Goshen	W	PV
Eastham	SE	SM		Gosnold	SE	SM
Easthampton	W	PV		Grafton	C	CM
Easton	SE	MB		Granby	W	PV
Edgartown	SE	SM		Granville	W	PV
Egremont	W	B		Greenfield	W	PV
Erving	W	PV		Groton	C	MV
Essex	NE	MB		Groveland	NE	MV
Everett	NE	MB		Gt. Barrington	W	B
	<u>F</u>				<u>H</u>	
Fairhaven	SE	SM		Hadley	W	PV
Fall River	SE	SM		Halifax	SE	SM
Falmouth	SE	SM		Hamilton	NE	MB
Fitchburg	C	CM		Hampden	W	PV
Florida	W	B		Hancock	W	B
Foxborough	SE	SM		Hanover	SE	MB
Framingham	NE	MB		Hanson	SE	MB
Franklin	C	SM		Hardwick	SE	SM
Freetown	SE	SM		Harvard	C	CM
	<u>G</u>			Harwich	SE	SM
Gardner	C	CM		Hatfield	W	PV
Gay Head	SE	SM		Haverhill	NE	MV
Georgetown	NE	MV		Hawley	W	PV
Gill	W	PV		Heath	W	PV

City/Town	Region	District		City/Town	Region	District
Hingham	S	MB		Leominster	C	CM
Hinsdale	W	B		Leverett	W	PV
Holbrook	S	MB		Lexington	NE	MB
Holden	C	CM		Leyden	W	PV
Holland	W	PV		Lincoln	NE	MB
Holliston	C	MB		Littleton	C	MV
Holyoke	W	PV		Longmeadow	W	PV
Hopedale	C	CM		Lowell	NE	MV
Hopkinton	C	MB		Ludlow	NE	MV
Hubbardston	C	CM		Lunenburg	C	CM
Hudson	C	MB		Lynn	NE	MB
Hull	S	MB		Lynnfield	NE	MB
Huntington	W	PV			<u>M</u>	
	<u>I</u>			Malden	NE	MB
Ipswich	NE	MB		Manchester	NE	MB
	<u>K</u>			Mansfield	SE	SM
Kingston	SE	SM		Marblehead	NE	MB
	<u>L</u>			Marion	SE	SM
Lakeville	SE	SM		Marlborough	C	MB
Lancaster	C	CM		Marshfield	SE	MB
Lanesborough	W	B		Mashpee	SE	SM
Lawrence	NE	MV		Mattapoisett	SE	SM
Lee	W	B		Maynard	C	MB
Leicester	C	CM		Medfield	C	MB
Lenox	W	B		Medford	NE	MB

City/Town	Region	District		City/Town	Region	District
Medway	C	SM		Northampton	W	PV
Melrose	NE	MB		Northborough	C	CM
Mendon	C	CM		Natick	NE	MB
Merrimac	NE	MV		Needham	NE	MB
Methuen	NE	MV		New Salem	W	PV
Middleborough	SE	SM		New Braintree	C	CM
Middlefield	W	PV		New Ashford	W	B
Middleton	NE	MB		New Marlborough	W	B
Milford	C	SM		New Bedford	SE	SM
Millbury	C	CM		Newbury	NE	MV
Millis	C	MB		Newburyport	NE	MV
Millville	C	CM		Newton	NE	MB
Milton	NE	MB		Norfolk	C	MB
Monroe	W	PV		North Adams	W	B
Monson	W	PV		North Andover	NE	MV
Montague	W	PV		Northbridge	C	CM
Monterey	W	B		Northfield	W	PV
Montgomery	W	PV		Norton	SE	SM
Mt. Washington	W	B		Norwell	SE	MB
	<u>N</u>			Norwood	S	MB
N. Attleborough	SE	SM			<u>O</u>	
N. Brookfield	C	CM		Oak Bluffs	SE	SM
N. Reading	NE	MB		Oakham	C	CM
Nahant	NE	MB		Orange	W	PV
Nantucket	SE	SM		Orleans	SE	SM

City/Town	Region	District		City/Town	Region	District
Otis	W	B		Rehoboth	SE	SM
Oxford	C	CM		Revere	NE	MB
	<u>P</u>			Richmond	W	B
Palmer	W	PV		Rochester	SE	SM
Paxton	C	CM		Rockland	SE	MB
Peabody	NE	MB		Rockport	NE	MB
Pelham	W	PV		Rowe	W	PV
Pembroke	SB	MB		Rowley	NE	MV
Pepperell	C	MV		Royalston	W	CM
Peru	W	B		Russell	W	PV
Petersham	W	CM		Rutland	C	CM
Phillipston	C	CM			<u>S</u>	
Pittsfield	W	B		Salem	NE	MB
Plainfield	W	PV		Salisbury	NE	MV
Plainville	SE	SM		Sandisfield	W	B
Plymouth	SE	SM		Sandwich	SE	SM
Plympton	SE	SM		Saugus	NE	MB
Princeton	C	CM		Savoy	W	B
Provincetown	SE	SM		Scituate	SE	MB
	<u>Q</u>			Seekonk	SE	SM
Quincy	NE	MB		Sharon	SE	MB
	<u>R</u>			Sheffield	W	B
Randolph	S	MB		Shelburne	W	PV
Raynham	SE	SM		Sheborn	NE	MB
Reading	NE	MB		Shirley	C	CM

City/Town	Region	District		City/Town	Region	District
Shrewsbury	C	CM		Tewksbury	NE	MV
Shutesbury	W	PV		Tisbury	SE	SM
Somerset	SB	SM		Tolland	W	PV
Somerville	NE	MB		Topsfield	NE	MB
South Hadley	W	PV		Townsend	C	CM
Southampton	W	PV		Truro	SE	SM
Southborough	C	MB		Tyngsborough	N	MV
Southbridge	C	PV		Tyringham	W	B
Southwick	W	PV			<u>U</u>	
Spencer	C	CM		Upton	C	CM
Springfield	W	PV		Uxbridge	C	CM
Sterling	C	CM			<u>W</u>	
Stockbridge	W	B		Wakefield	NE	MB
Stoneham	NE	MB		Wales	W	PV
Stoughton	SE	MB		Walpole	S	MB
Stow	C	MB		Waltham	NE	MB
Sturbridge	C	CM		Ware	W	PV
Sudbury	NE	MB		Wareham	SE	SM
Sunderland	W	PV		Warren	W	CM
Sutton	C	CM		Warwick	W	PV
Swampscott	NB	MB		Washington	W	B
Swansea	SE	SM		Watertown	NE	MB
	<u>T</u>			Wayland	NE	MB
Taunton	SE	SM		Webster	C	CM
Templeton	C	CM		Wellesley	NE	MB

City/Town	Region	District		City/Town	Region	District
Wellfleet	SE	SM		Winchester	NE	MB
Wendell	W	PV		Winchendon	C	CM
Wenham	NE	MB		Windsor	W	B
W. Brookfield	C	CM		Winthrop	NE	MB
W. Stockbridge	W	B		Woburn	NE	MB
W. Springfield	W	PV		Worcester	C	CM
West Newbury	NE	MV		Worthington	W	PV
W. Bridgewater	SE	MB		Wrentham	SE	SM
West Tisbury	SE	SM			<u>Y</u>	
West Boylston	C	CM		Yarmouth	SE	SM
Westborough	C	CM				
Westfield	W	PV				
Westford	N	MV				
Westhampton	W	PV				
Westminster	W	PV				
Weston	NE	MB				
Westport	SE	SM				
Westwood	NE	MB				
Weymouth	S	MB				
Whately	W	PV				
Whitman	SE	MB				
Wilbraham	W	PV				
Williamsburg	W	PV				
Williamstown	W	B				
Wilmington	NE	MB				

DEFINITIONS

When used in 310 CMR 7.00 or in communications, notices or orders relative thereto, the following words and phrases shall have the meanings ascribed to them below:

ABOVEGROUND STORAGE TANK or AST , as used in 310 CMR 7.24(3) and (6), means a motor vehicle fuel storage tank that is intended for fixed installations, without backfill, that is located above or below grade.

ACT means the Federal Clean Air Act, 42 U.S.C. 7401 et seq.

ACTUAL CONSTRUCTION means in general, initiation of physical on-site construction activities of any facility subject to the requirements of 310 CMR 7.00, which are of a permanent nature. Such activities include, but are not limited to, installation of building supports and foundations, laying underground pipework and construction of permanent structures.

ADD-ON PART as used in 310 CMR 7.40 means any aftermarket part which is not a modified part or a replacement part.

ADEQUATELY WET means fixing or coating with water or water to which a surfactant has been added, or with a remover-encapsulant, so as to prevent a friable condition and visible emissions.

ADHESION PROMOTER means a coating designed to facilitate the bonding of a primer or topcoat on surfaces such as trim moldings, door locks, and door sills, where sanding is impracticable, and on plastic parts and the edges of sanded areas.

ADMINISTRATOR means the administrator of the U.S. Environmental Protection Agency or his designee.

AEROSOL means a system of solid or liquid particles dispersed in a gas.

AFFECTED FACILITY for the purposes of 310 CMR 7.16 means any employment facility at which 250 or more employees are commuters, or any educational facility at which 1000 or more persons are commuters.

AFTERMARKET PART means any part of a motor vehicle emission control system sold for installation on a vehicle after the original retail sale of the vehicle.

AGRICULTURE (for the purpose of 310 CMR 7.07) means those practices involved with the cultivation of soil for purposes of crop production and/or the raising of livestock when such crops are produced primarily for commercial foodstuffs and such livestock are raised primarily for commercial foodstuffs or work purposes.

AIR means atmosphere.

AIR CONTAMINANT means any substance or man-made physical phenomenon in the ambient air space and includes, but is not limited to, dust, flyash, gas, fume, mist, odor, smoke, vapor, pollen, microorganism, radioactive material, radiation, heat, sound, any combination thereof, or any decay or reaction product thereof.

AIR CONTAMINATION SOURCE means any place at or from which any air contaminant is emitted to the ambient air space.

AIR POLLUTION means the presence in the ambient air space of one or more air contaminants or combinations thereof in such concentrations and of such duration as to:

- (a) cause a nuisance;
- (b) be injurious, or be on the basis of current information, potentially injurious to human or animal life, to vegetation, or to property; or
- (c) unreasonably interfere with the comfortable enjoyment of life and property or the conduct of business.

AMBIENT AIR SPACE means the unconfined space occupied by the atmosphere above the geographical area of the District which includes the air outside a facility or structure.

ANTI-GLARE SAFETY COATING means a low gloss coating formulated to eliminate glare for safety purposes on interior surfaces of a vehicle, as specified under the U.S. Department of Transportation Motor Vehicle Safety Standards.

APPLICATION AREA means any area where a coating is applied, including but not limited to application by dipping, rolling, spraying or flowcoating techniques.

AQUEOUS CLEANER means a cleaning fluid or device using a cleaning fluid that is composed of soap and/or other water-soluble materials in a water solution.

ASBESTOS means all asbestiform varieties of the mineral family called silicates including: serpentinite (chrysotile), riebeckite (crocidolite), cuming-tonitegrunerite (atmosite), tremolite-actinolite, and anthophyllite.

ASBESTOS-CONTAINING MATERIAL means friable asbestos and any material containing 1% or more asbestos by weight. This term includes but is not limited to sprayed-on and troweled-on materials applied to ceilings, walls, and ceilings, walls, and other surfaces, insulation on pipes, boilers, tanks, ducts, and other equipment, structural members, tiles, shingles or asbestos-containing paper.

ASBESTOS-CONTAINING WASTE MATERIAL means any friable asbestos-containing material removed during a demolition/renovation project and anything contaminated in the course of a demolition/renovation project including asbestos waste from control devices, bags or containers that previously contained asbestos, contaminated clothing, materials used to enclose the work area during the demolition/renovation operation, and demolition/renovation debris.

ASPHALT means a dark-brown to black cementitious material (solid, semi-solid, or liquid) in which the predominating constituents are bitumens which occur in nature as such, or which are obtained as residue in refining petroleum.

ATTAINMENT AREA means any area determined by the Administrator as one in which the ambient air concentration for a criteria pollutant does not exceed a primary or a secondary National Ambient Air Quality Standard.

AUTOMOBILE means a motor vehicle capable of carrying no more than 12 passengers.

AUTOMOTIVE EXTERIOR FLEXIBLE PARTS means flexible plastic parts used in the manufacture or repair of exterior components of automobiles.

AUTOMOTIVE EXTERIOR RIGID (NON-FLEXIBLE) PARTS means rigid plastic parts used in the manufacture or repair of exterior components of automobiles.

AUTOMOTIVE INTERIOR PARTS means plastic parts used in the manufacture or repair of interior components of automobiles.

AUTOMOTIVE REFINISHING FACILITY means any facility at which the interior or exterior bodies of automobiles, motorcycles, trucks, mobile equipment, or vans are re-painted. This definition includes refinishing operations that travel to various locations, that refinish new vehicles damaged in transit before their initial sale, and that refinish aftermarket vehicles.

AUTOMOTIVE SURFACE COATING means the coating at automobile assembly plants of bodies and front end sheet metal (hood and fenders) of passenger cars capable of seating 12 or fewer passengers or light duty vehicles rated at 8500 pounds gross weight or less or derivatives of such vehicles.

BTU means British thermal unit, the amount of heat necessary to raise the temperature of one pound of water from 39°F to 40°F.

BAKERY means a facility consisting of one or more ovens for the baking of bread or other yeast leavened products.

BASE DATE means the date on which the base number of single occupant commuter vehicles at a particular employment facility or educational institution must be determined.

BASELINE ROADWAY CONDITIONS means the average 1991 weekday peak hour trip times in minutes.

BEST AVAILABLE CONTROL TECHNOLOGY means an emission limitation based on the maximum degree of reduction of any regulated air contaminant emitted from or which results from any regulated facility which the Department, on a case-by-case basis taking into account

energy, environmental, and economic impacts and other costs, determines is achievable for such facility through application of production processes and available methods, systems and techniques for control of each such contaminant. The best available control technology determination shall not allow emissions in excess of any emission standard established under the New Source Performance Standards, National Emission Standards for Hazardous Air Pollutants or under any other applicable section of 310 CMR 7.00, and may include a design feature, equipment specification, work practice, operating standard, or combination thereof.

BLANKET means a rubber-covered cylinder that receives the printed image from the plate cylinder and transfers the image to the substrate.

BOSTON METROPOLITAN PLANNING ORGANIZATION means the organization designated for maintaining a continuing, cooperative, and comprehensive (3C) transportation planning process under Section 134 of the Federal Aid Highway Act and Section 5303 of the Federal Transit Act in the Boston metropolitan region.

BOSTON TRANSPORTATION DEPARTMENT means the agency within the City of Boston responsible for transportation and traffic-related activities including the regulation of off-street parking spaces in the City under M.G.L. c. 148, s. 56.

BOTTOM FILLING means the filling of a tank truck or stationary storage tank through an opening which is flush with the bottom of the tank.

BUBBLE means an alternative emission control strategy where several emission points are regarded as being placed under an hypothetical dome which is then regarded as a single emission source. Sources under a bubble may reallocate emission decreases and increases so long as the requirements of 310 CMR 7.00 are met. Bubbles need not be confined to a single facility or source site.

BUILDING, STRUCTURE, FACILITY OR INSTALLATION means (for purpose of further defining the term “stationary source”) all of the pollutant-emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control). Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same “Major Group” as described in the Standard Industrial Classification Manual.

BULK PLANT means any organic material storage and/or distribution facility with an average daily throughput (1/30 of the total throughput on a rolling 30 day time period) of greater than or equal to 4,000 but less than 20,000 gallons of organic material having a true vapor pressure greater than 1.5 psia under actual storage conditions.

BULK TERMINAL means any organic material storage and/or distribution facility with an average daily throughput (1/30th of the total throughput on a rolling 30 day time period) of greater than 20,000 gallons of organic material having a true vapor pressure greater than 1.5 psia under actual storage conditions.

BUSINESS DAY , as used in 310 CMR 7.24(3) and 310 CMR 7.24(6), means a day of the week that the Department is open for business.

CALIFORNIA AIR RESOURCES BOARD (or CALIFORNIA ARB or CARB) means the California state agency established and empowered to regulate sources of air pollution in California, including motor vehicles, pursuant to California Health & Safety Code Sections 39500 *et seq.*

CAPTURE EFFICIENCY means the ability of a building, enclosure or system to capture air contaminants within the building, enclosure or system before the air contaminants are directed to an air pollution control device. Capture efficiency is determined in accordance with EPA Reference Test Method Number 204, as specified in 40 CFR Part 51 Appendix M, or by other methods approved by the Department and EPA.

CEMS means a continuous emissions monitoring system

CERTIFICATE OF INSPECTION means a serially numbered, adhesive sticker, indicating that a motor vehicle has met the safety or the combined safety and emissions inspection requirements as established by the Registry and the Department.

CERTIFICATE OF REJECTION means a serially numbered, adhesive sticker, indicating that a motor vehicle has failed to meet the safety or combined safety and emissions inspection requirements as established by the Registry and the Department.

CERTIFICATE OF WAIVER means a serially numbered, adhesive sticker, indicating that the requirement of meeting the emissions portion of the combined safety and emissions inspection has been waived for a vehicle in accordance with the waiver requirements set forth in 310 CMR 7.20(10).

CERTIFIED EMISSIONS INSPECTOR means a person who has been issued an Emission Inspection Certificate authorizing him/her to perform exhaust emission inspections in accordance with the procedures and requirements set forth in 310 CMR 7.20(12).

CERTIFIED INSPECTION STATION means a proprietorship, partnership, association or corporation equipped with an approved emission analyzer and licensed by the Registry of Motor Vehicles to perform safety and exhaust emissions inspections on motor vehicles.

CFR means the Code of Federal Regulations.

CHAIRMAN OF THE BOSTON MPO means the chairman of the Boston Metropolitan Planning Organization; which position is held by the Massachusetts Secretary of Transportation and Construction.

CHART means the Ringelmann Scale for grading the density of smoke, as published by the United States Bureau of Mines and as referred to in the Bureau of Mines Information Circular

No. 8333, or any smoke inspection guide approved by the Department.

CLASS I HARDBOARD PANELING FINISH means a finish that meets the specifications for Class I of Voluntary Product Standard PS-59-73 as approved by the American National Standards Institute (ANSI).

CLASS II HARDBOARD PANELING FINISH means a finish that meets the specifications of Voluntary Product Standard PS-59-73 as approved by the American National Standards Institute (ANSI).

CLEANUP SOLUTION means a solution which is used to clean any equipment and its parts.

CLEAR COAT means a coating which lacks color and opacity or is transparent and uses the undercoat as a reflectant base or undertone color.

COATING means a material applied onto, or impregnated into, a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, sealants, adhesives and temporary protective coatings.

COATING LINE(S) means one or more apparatuses or operations which apply, convey and dry a surface coating comprised of including but not limited to the coating applicator (knife coating, roll coating, spray booths, flow coaters, dipping), conveyors, flashoff areas, air dryers, drying ovens and curing ovens. A coating line is considered to convey, apply and dry one or more layers of surface coating including but not limited to base coat, single coat, prime coat, and top coat.

COATING MIXING TANK means any portable or stationary tank used to disperse, blend, strain, thin, or tint an ink or formulation used for surface coating.

COMBINED CYCLE COMBUSTION TURBINE means any combustion turbine, including the duct burner portion thereof, in which heat is recovered from the exhaust gases to heat water or generate steam.

COMBUSTION DEVICE means all equipment, including, but not limited to, thermal incinerators, catalytic incinerators, flares, boilers, and process heaters used for combustion of organic vapors.

COMBUSTION EFFICIENCY (C.E.) means a measure of the completeness of combustion, expressed as a percent, determined by the measurement of carbon dioxide (CO₂) and carbon monoxide (CO) in flue gas in accordance with the following formula: $C.E. = [CO_2 / (CO + CO_2)] \times 100$.

COMMENCE OPERATION , as used in 310 CMR 7.24(3) and (6), means that point, after a Stage I or Stage II system has been installed or has undergone a substantial modification, when motor vehicle fuel is first dispensed for sale or use from a motor vehicle dispensing facility or

tank truck for the purpose said facility or tank truck is intended.

COMMERCIAL PARKING SPACES means, for the purposes of 310 CMR 7.30, parking spaces provided for a fee, excluding employee parking spaces.

COMMISSIONER means the Commissioner of the Department of Environmental Protection.

COMMUTER means any employee or student during his or her journey to or from work or classes and whose automobile is not customarily required to be used in the course of employment or classes.

COMPLEX for the purpose of 310 CMR 7.12 is defined as any facility characterized by one or more of the following:

- located in the Merrimack Valley Air Pollution Control District and has an energy input capacity rated by the Department of 100,000,000 or greater Btu per hour and burns a fuel having a sulfur content in excess of 0.55 pounds per million Btu heat release potential; or
- located in the Metropolitan Boston Air Pollution Control District and burns a fuel having a sulfur content in excess of 0.55 pounds per million Btu heat release potential, or if located in Arlington, Belmont, Boston, Brookline, Cambridge, Chelsea, Everett, Malden, Medford, Newton, Somerville, Waltham, and Watertown and burns a fuel having a sulfur content in excess of 0.28 pounds per million Btu heat release potential; or
- located in the Pioneer Valley Air Pollution Control District, Central Massachusetts Air Pollution Control District or the Southeastern Massachusetts Air Pollution Control District and burns a fuel having a sulfur content in excess of 0.55 pounds per million Btu heat release potential; or
- has 50 emission points or more; or
- is subject to 310 CMR 7.18 and has not achieved full compliance with the regulatory emission limitation specified in 310 CMR 7.18, for such facilities; or
- operates with an alternative emission limitation (RACT) determined under 310 CMR 7.18(14)(b)5., (15)(b)5. or (16)(b)5.; or
- operates with an alternative emission limitation under 310 CMR 7.00: Appendix B (Bubble); or
- is required to monitor ambient air as a condition of a permit approval; or
- operates under a variance granted pursuant to 310 CMR 7.50; or
- burns a fuel other than natural gas, distillate or residual fuel oil; or
- operates subject to Federal New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants.

COMPLIANCE CERTIFICATION means a statement detailing the compliance status of the emission unit or facility in regards to each applicable requirement, signed by a responsible official of the facility as being complete, accurate and true to the best knowledge of the signatory.

COMPONENT for the purpose of 310 CMR 7.18(19) means a piece of equipment, including but not limited to pumps, valves, compressors, and pressure relief valves, which has the potential to

leak volatile organic compounds.

COMPOUND EMISSION RATE: for the purpose of 310 CMR 7.22 means the sum of all sulfur dioxide (SO₂) emissions from the fuels burned at any fuel utilization facility(ies) included in the emission rate, divided by the sum of all Btu inputs of said fuel(s). All emission credits generated under an approved control plan shall be included in calculating the average. It shall be calculated annually for the period January 1 through December 31.

CONDENSATE for the purposes of 310 CMR 7.24, means hydrocarbon liquid separated from natural gas which condenses due to changes in the temperature and/or pressure and remains liquid at standard conditions.

CONDENSIBLE SUBSTANCES means any inorganic or organic compound or element, which exist in vapor phase prior to being emitted to the ambient atmosphere and undergoes rapid condensation under ambient conditions.

CONDENSOR means a device which cools a gas stream to a temperature which removes specific organic compounds by condensation.

CONSOLIDATED PART as used in 310 CMR 7.40 means a part which is designed to replace a group of original equipment parts.

CONTAMINATED GROUNDWATER TREATMENT SYSTEM (CGTS) means a system designed to remediate groundwater contaminated with VOC through stripping of VOC from the water and transferring the VOC to an air stream.

CONTAMINATED SOIL VENTING SYSTEM means a system designed to remediate soil contaminated with a volatile organic compound (VOC) through stripping of the VOC from the soil by use of an on site venting system constructed into the contaminated soil area. This definition does not include the venting of landfills.

CONTINUOUS COMPLIANCE means meeting emission limitations established by 310 CMR 7.00 at all times.

CONTINUOUS PROCESS POLYSTYRENE RESIN MANUFACTURING PLANT means a plant in which styrene, with various dissolved additives, is continuously fed into a thermal reactor system and a molten resin product is continuously discharged from the reactor system.

CRITERIA AIR CONTAMINANT or CRITERIA POLLUTANT means ozone (O₃), PM₁₀, sulfur oxides measured as sulfur dioxide (SO₂), nitrogen dioxide (NO₂), volatile organic compounds (VOC) as non-methane hydrocarbons, carbon monoxide (CO) or lead (Pb), or any other air contaminant for which national ambient air quality standards have been adopted.

CRUDE OIL means a naturally occurring mixture which consists of hydrocarbons, and sulfur, nitrogen and/or oxygen derivatives of hydrocarbons which is a liquid at standard conditions.

CURB WEIGHT describes a vehicle's weight classification as determined by the Registrar of Motor Vehicles.

CUTBACK ASPHALT means asphalt cement which has been liquefied by blending with petroleum solvent (diluent) such that the blend contains greater than seven per cent by weight of such petroleum solvents. Upon exposure to atmospheric conditions the diluents evaporate, leaving the asphalt cement to perform its function.

CYLINDER means any one of several components of a printing press used to transfer printed images or guide paper through the press including but not limited to intermediate, blanket, impression, plate and sheet transfer cylinders.

DEMOLITION/RENOVATION, for the purpose of 310 CMR 7.15, means any operation which involves the wrecking, taking out, removal, stripping, or altering in any way (including repairing, restoring, drilling, cutting, sanding, sawing, scratching, scraping, or digging into) or construction of one or more facility components or facility component insulation. This term includes load and nonload-supporting structural members of a facility.

DEPARTMENT means the Department of Environmental Protection (pursuant to St. 1989 c. 240, ss. 101, "...the department of environmental quality engineering shall be known as the department of environmental protection").

DISTRICT means the Berkshire (BAPCD), Central Massachusetts (CMAPCD), Merrimack Valley (MVAPCD), Metropolitan Boston (MBAPCD), Pioneer Valley (PVAPCD), and Southeastern Massachusetts (SMAPCD) Air Pollution Control Districts.

DRY BOTTOM means a furnace design in which the coal-fired unit equipped with an ash disposal hopper bottom with sufficient cooling surface so that the ash particles impinging on the furnace walls or hopper bottom can be removed in a dry state.

DUCT BURNER means a device that combusts fuel and that is placed in the exhaust duct from another source, such as a stationary gas turbine, internal combustion engine, kiln etc., to allow the firing of additional fuel to heat the exhaust gases before the exhaust gases enter a heat recovery steam generating unit.

DRY CLEANING FACILITY means a facility engaged in the cleaning of fabrics in an essentially nonaqueous solvent by means of one or more washes in solvent, extraction of excess solvent by spinning, and by drying by tumbling in an airstream. Such a facility includes but is not limited to any washer, dryer, filter and purification system, waste disposal system, holding tank, pump, and attendant piping and valves.

DUST means finely divided solid matter.

DYEING FORMULATION means a fluid used to apply color to a textile substrate.

ELASTOMERIC COATING means a coating that is designed for application over flexible parts, such as elastomeric bumpers.

ELECTROMAGNETIC INTERFERENCE/RADIO FREQUENCY INTERFERENCE (EMI/RFI) COATING means a coating used in plastic business machine housings to attenuate electromagnetic and radio frequency interference signals that would otherwise pass through the plastic housings.

ELECTROSTATIC SPRAY APPLICATION means the application of charged atomized paint particles thereby enhancing deposition by electrostatic attraction of the paint to the substrate.

EMERGENCY DEMOLITION/RENOVATION OPERATION means any operation that was not planned but results from a sudden unexpected event which requires the demolition/renovation of a structurally sound or unsound facility or facility component. This term includes operations necessitated by non-routine failures of equipment.

EMERGENCY STANDBY ENGINE means any stationary internal combustion engine which operates as a mechanical or electrical power source only when (1) the primary power source for a facility has been lost during an emergency, such as a power outage and/or (2) during the normal maintenance and testing procedure as recommended by the manufacture. A load shaving unit, peaking power production unit or a standby engine in an energy assistance program is not an emergency standby engine under this definition.

EMERGENCY MOTOR VEHICLE as used in 310 CMR 7.24(6) means any publicly or privately-owned motor vehicle used for the restoration or maintenance of electricity, gas, telephone, or other utilities essential to maintain public services during an emergency situation; any publicly-owned motor vehicle operated by a peace officer in performance of their duties; any authorized emergency motor vehicle used for fighting fires or responding to emergency fire calls; any publicly-owned authorized emergency motor vehicle used by an emergency medical technician or paramedic; any publicly or privately-owned motor vehicle under contract for snow removal; any public or privately-owned motor vehicle used for towing or servicing other emergency motor vehicles; or any ambulance used by a private entity under contract with a public agency.

EMERGENCY SITUATION as used in 310 CMR 7.24(6), means a situation in which a local, state, or federal official has declared a “state of emergency,” or during fire fighting activities.

EMERGENCY OR STANDBY ENGINE for the purposes of 310 CMR 7.02(8)(i) and 7.03(10), means any stationary internal combustion engine which operates as an emergency or standby mechanical or electrical power source. A load shaving unit, peaking power production unit or a standby engine in an energy assistance program is not an emergency or standby engine under this definition.

EMERGENCY VEHICLES as used in 310 CMR 7.40 means any publicly owned vehicle operated by a peace officer in performance of their duties, any authorized emergency vehicle

used for fighting fires or responding to emergency fire calls, any publicly owned authorized emergency vehicle used by an emergency medical technician or paramedic, or used for towing or servicing other vehicles, or repairing damaged lighting or electrical equipment, any motor vehicle of mosquito abatement, vector control, or pest abatement agencies and used for those purposes, or any ambulance used by a private entity under contract with a public agency.

EMISSION means any discharge or release of an air contaminant to the ambient air space.

EMISSION ANALYZER means a device that measures the concentration of pollutants in motor vehicle exhaust.

EMISSION CHALLENGE CERTIFICATE means a serially numbered challenge slip issued by the Registry to the owner or operator of a vehicle who desires to challenge the accuracy of an emission test following the issuance of a certificate of rejection due to the exceedance of an exhaust emission standard set forth in 310 CMR 7.20(9). The issuance of an emission challenge certificate does not provide the owner or operator of a vehicle any additional time to remedy the cause of the certificate of rejection.

EMISSION CONTROL LABELS means those permanent stickers affixed to all 1995 and subsequent model year passenger cars and light duty trucks, certified for sale in California, in accordance with Title 13 CCR 1965 as amended July 12, 1991, and incorporated herein by reference, and “California Motor Vehicle Emission Control Label Specifications” as last amended July 12, 1991.

EMISSION CONTROL PLAN means a plan approved by the Department which details the methods and schedules which will be used in order to achieve compliance with an emission limit imposed in 310 CMR 7.00. (e.g. 310 CMR 7.18, 310 CMR 7.19 or 310 CMR 7.22)

EMISSION CONTROL WAIVER means an exemption from the requirements of 310 CMR 7.40 granted by the Massachusetts Registry of Motor Vehicles, pursuant to M.G.L. c. 90, s. 2 or regulations promulgated thereunder.

EMISSION INSPECTION CERTIFICATE means a document issued by the Commissioner authorizing a person to perform exhaust emission inspections as part of the combined safety and emissions inspection program. Such person is herein referred to as a Certified Emissions Inspector.

EMISSION POINT means any place (including but not limited to a stack or vent) at or from which any air contaminant is emitted to the ambient air space.

EMISSION STATEMENT is a certification submitted by the owner or operator of a facility that describes the actual annual emissions of VOC and/or NOx from the facility as well as the average Ozone Season daily emissions from the facility.

EMISSION UNIT means any individual piece of equipment from which any air contaminant is

emitted to the ambient air space; for example, an individual boiler, a single degreaser, etc.

EMISSIONS CAPTURE AND CONTROL EQUIPMENT means a system designed to limit the release of air contaminants into the ambient air by collecting emissions from a facility or emission unit, before they are emitted to the ambient air, and controlling these emissions by reducing or eliminating the mass of the air contaminants contained in the emissions. Control methods include, but are not limited to, oxidation, filtration, scrubbing, condensation, absorption and adsorption.

EMPLOYEE means any person who performs work for an employer 17 or more hours per week and for more than 20 weeks per year for compensation and who travels to and from work by any mode of travel.

EMPLOYEE PARKING SPACES means for the purposes of 310 CMR 7.30, parking spaces provided for use by employees of MASSPORT and employees of tenants at Logan Airport.

EMPLOYER means any person or entity who employs 250 or more daytime employee commuters at any time during a calendar year at any employment facility, or any educational institution with 1000 or more commuters.

EMPLOYMENT FACILITY means any facility or group of facilities of the same employer which are within walking distance of each other at which 250 or more persons are commuters.

END SEALING COMPOUND means a synthetic rubber compound which is coated on to ends of cans and which functions as a gasket when the can is assembled.

ENERGY CONSERVATION MEASURE: for the purpose of 310 CMR 7.22 means non-load management measures, applied to the production or use of electricity, that accomplish a more efficient use of energy resources.

ENERGY INPUT CAPACITY means the ability of a fuel utilization facility, based on the Higher Heating Value (HHV) of the fuel, to combust a stated maximum amount of fuel on a steady state basis, as determined by the physical design and characteristics of the fuel utilization facility and does not include the energy input from preheated combustion air, recirculated flue gases, or exhaust gases from other sources.

EPA means the United States Environmental Protection Agency.

EXECUTIVE ORDER , as used in 310 CMR 7.24(3) and (6), means a certification document, including but not limited to, applicable exhibits, installation, operation and maintenance manuals, manufacturer guidance documents and manufacturer advisory correspondence or mail outs, as issued or approved by CARB, in accordance with the applicable certification procedures (Title 17 of the California Code of Regulations, section 94011, as amended April 12, 1996) and adopted by the Department in 310 CMR 7.24(3) and (6).

EXISTING FACILITY for the purposes of 310 CMR 7.02(8), means any facility that is in operation on or before June 1, 1972, or any proposed facility of which the construction, substantial reconstruction or alteration of which has been approved in writing by the Department on or before June 1, 1972. All facilities as specified in the Federal Register, Volume 36, No. 247, December 23, 1971, the construction or modification of which was initiated after August 17, 1971 shall not be defined as existing facilities.

EXTERNAL FLOATING ROOF means a storage vessel cover in an open top tank consisting of a double deck or pontoon single deck which rests upon and is supported by the petroleum liquid being contained and is equipped with a closure seal or seals to close the space between the roof edge and tank shell.

EXTERIOR BASE COAT means any coating applied to the exterior of a can to provide exterior protection to the metal and/or provide background for the lithographic or printing operation.

EXTREME ENVIRONMENTAL CONDITIONS means continuous exposure to temperatures consistently above 95°C, detergents, abrasives, scouring agents, solvents, corrosive atmospheres, or similar environmental conditions.

EXTREME PERFORMANCE COATING means coatings designed for exposure to harsh or extreme environmental conditions, as determined by the Department, including but not limited to constant weather exposure detergents, temperatures consistently above 203°F (95°C), or corrosive atmospheres.

FABRIC SURFACE COATING means the coating of a textile substrate to impart properties that are not initially present, such as strength, stability, water or acid repellency, or appearance.

FACE FIRING means a furnace firing design in which the burners are mounted in an array on one or more vertical walls including

- (a) opposed firing, where the burners are mounted on two opposite walls; and
- (b) single-wall firing, where the burners are mounted on only one wall.

FACILITY means any installation or establishment and associated equipment, located on the same, adjacent or contiguous property, capable of emissions; and for the purpose of 310 CMR 7.15, it means any structure, installation, building, equipment, or ship.

FACILITY COMPONENT means any pipe, duct, boiler, tank, turbine, furnace, or structural member located at the facility.

FEDERALLY ENFORCEABLE means all limitations and conditions which are enforceable by the Administrator, including but not limited to, those requirements developed pursuant to 40 CFR Part 60 (New Source Performance Standards), 40 CFR Part 61 (National Emission Standards for Hazardous Air Pollutants), 40 CFR Part 63 (National Emission Standards for Hazardous Air Pollutants for Source Categories), 40 CFR Parts 72 through 80 (Acid Rain Program) and requirements within the Massachusetts State Implementation Plan. Federally

enforceable requirements also include those requirements in operating permits issued either pursuant to 40 CFR part 71 or under 310 CMR 7.00: *Appendix C*, (except those listed as state enforceable only) any permit requirements established pursuant to 40 CFR 52.21 (Prevention of significant deterioration of air quality), under plan approval requirements in either 310 CMR 7.02 or 310 CMR 7.00: *Appendix A*. Federally enforceable limitations and conditions can also be contained in either a permit restriction issued under 310 CMR 7.02(9), 7.02(10), 7.02(11) or equipment installed under 310 CMR 7.03, that has been made federally enforceable after the EPA has approved 310 CMR 7.02 and 7.03 into the Massachusetts SIP.

FEDERAL POTENTIAL TO EMIT or FEDERAL POTENTIAL EMISSIONS means the maximum capacity of a stationary source to emit a regulated pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a regulated pollutant, including air pollution control equipment and restriction on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design only if the limitation or the effect it would have on emissions is federally enforceable. To be federally enforceable, a limitation on any facility's capacity to emit a pollutant shall include testing, monitoring, and recordkeeping procedures sufficient to demonstrate compliance with the limitations. Examples of permit or SIP limitations generally considered federally enforceable are limitations on the allowable capacity of the equipment, requirements for the installation, operation and maintenance of pollution control equipment, limits on hours of operation, and restrictions on amounts of materials combusted, stored, or produced. To be federally enforceable, restrictions on operation, production, or emissions must be stated in terms of the shortest averaging time that can be used as a practical matter, *e.g.*, pounds per hour, or gallons per hour, and they must be tied to other enforceable operating restrictions at the source. General limitations on potential to emit, such as yearly limits (*e.g.*, in tons per year), by themselves, are not considered federally enforceable. The use of hourly, daily, weekly, or monthly rolling limits are generally acceptable. Any federally enforceable limitations or conditions must be enforceable as a practical matter, ensure continuous compliance with the restrictions, and include adequate testing, monitoring, and record keeping procedures sufficient to demonstrate compliance with the limitations or conditions of an applicable federally enforceable document described above. Fugitive emissions, to the extent quantifiable, are included in determining the potential to emit of a stationary source. Secondary emissions do not count in determining the potential to emit of a stationary source.

FERROUS CUPOLA FOUNDRY means a vertical cylindrical furnace using pig iron, scrap iron, scrap steel and coke as charging components. Ferrous Cupola Foundries can be separated into "Jobbing" Foundries and "Production" foundries. Jobbing foundries run intermittently for just long enough at one time to pour the molds that are ready on the foundry floor on a job-byjob basis. Production foundries will melt metal continuously and pour to a succession of molds that are constantly being prepared to receive the flow of molten iron.

FINAL FINISH APPLICATION LINE means one or more apparatuses or operations which apply, convey, and dry/cure a final finish on to a textile substrate.

FINAL FINISHING means the functional enhancement of a textile by application of shape-retentive, water-repellent, stain-resistant, antistatic, flame-retardant, or other chemical treatments.

FINISHING FORMULATION means a material applied to a textile substrate to enhance the textile's performance or appearance.

FLASHOFF AREA means part of a coating line between the application area and the oven.

FLAT WOOD PANELING means hardwood plywood, thin particleboard and hardboard, but does not include Class I hardboard panels, exterior siding, tile board, insulation board or particleboard used in furniture manufacturing.

FLAT WOOD PANELING SURFACE COATING means a coating applied to flat wood panels including: printed interior panels made of hardwood plywood and thin particleboard; natural finish hardboard plywood panels; and hardwood paneling with Class II finishes.

FLEETWIDE AVERAGE means a motor vehicle manufacturer's average vehicle emissions of all non-methane organic gases from all vehicles subject to 310 CMR 7.40, sold in the Commonwealth of Massachusetts in any model year, based on the calculation in Title 13 CCR 1960.1 (g)(2), as amended July 12, 1991, and incorporated herein by reference.

FLEXOGRAPHIC PRINTING means the application of words, designs, and pictures to a substrate by means of a roll printing technique in which the pattern to be applied is raised above the printing roll and the image carrier is made of rubber or other elastomeric materials.

FLYASH means the aerosolized solid component of burned or partially burned fuel. "Soot" and "cinders" are included within the meaning of the term "flyash".

FOUNTAIN ADDITIVE means any of several volatile and/or non volatile compounds or mixtures of compounds used to enhance the functioning of dampening systems in offset lithographic presses.

FOUNTAIN SOLUTION means a mixture of water and fountain additives, including isopropyl alcohol, for use in the dampening system of offset lithographic presses. Also referred to as dampening solution.

FOUR-STAGE COATING SYSTEM means a topcoat system composed of a colored basecoat, two semi-transparent midcoats, and a final transparent clearcoat. For compliance purposes, the VOC content of four-stage coating systems shall meet the emission limitation for three or four-stage topcoats in Table 7.18(28)(c), and is calculated according to the following formula:

$$\text{VOC } T_{4\text{-stage}} = \frac{\text{VOC}_{bc} + \text{VOC}_{mc1} + \text{VOC}_{mc2} + 2 \text{VOC}_{cc}}{5}$$

Where:

VOC $T_{4\text{-stage}}$ is the weighted average of the VOC content, as applied, in the basecoat, midcoat, and clearcoat system.

VOC_{bc} is the VOC content, as applied, of any given basecoat.

VOC_{mc1} is the VOC content, as applied, of the first midcoat.

VOC_{mc2} is the VOC content, as applied, of the second midcoat.

2VOC_{cc} is twice the VOC content, as applied, of any given clearcoat.

FREEBOARD HEIGHT means for a Cold Cleaner degreaser, the distance from the top of the liquid level to the lip of the tank; for an Open Top Vapor Degreaser, the distance from the top of the vapor zone during idling to the lip of the degreaser tank; for a Conveyorized Cold Cleaner, the distance from the top of the solvent level to the bottom of the entrance or exit opening, whichever is lower, for a Conveyorized Vapor Degreaser, the distance from the top of the solvent vapor level while idling to the bottom of the entrance or exit opening, whichever is lower.

FREEBOARD RATIO means ratio of the freeboard height to the smaller interior dimension (length, width, or diameter) of the degreaser.

FRIABLE means material that can be crumbled, pulverized or reduced to powder when dry, by hand pressure.

FRIABLE asbestos-containing material means any dry material containing one percent or more asbestos by weight that hand pressure can crumble, pulverize, or reduce to powder.

FUEL means any solid, liquid, or gaseous material such as, but not limited to, coal, gasoline, manufactured gas, natural gas, oil, or wood, used for the production of heat or power by burning.

- ALTERNATIVE FUEL for the purposes of 310 CMR 7.22 means any non-fossil fuel including but not limited to wood or biomass; nuclear fuel is not included in this definition.

-DISTILLATE FUEL OIL means No. 1 or No. 2 fuel oil. Distillate fuel oil having a sulfur content of 0.17 pounds of million Btu heat release potential is approximately equal to distillate fuel oil having a sulfur content of 0.3 percent by weight.

-FOSSIL FUEL means coal, coke, distillate oil, residual oil, used oil fuel or natural or manufactured gas.

-HAZARDOUS WASTE FUEL means a regulated recyclable material, other than waste oil, and other than a material that [i] has the hazardous waste characteristics set forth in 310 CMR 30.120 through 30.125, [ii] has waste oil as a significant ingredient, and [iii] does not have as an ingredient any hazardous waste, other than waste oil, listed or otherwise identified in 310 CMR 30.130 through 30.136,

1. that is recycled by being burned for energy recovery in an industrial or utility boiler or in an industrial furnace, but not in a hazardous waste incinerator licensed pursuant to 310 CMR 30.800 and 310 CMR 7.08 and

2. that is:

a. presumed to be hazardous waste fuel pursuant to 310 CMR 30.215,

- b. a mixture of
 - (i) any hazardous waste, other than waste oil, or of any material presumed to be hazardous waste fuel pursuant to 310 CMR 30.215, with
 - (ii) any other material (including, without limitation, waste oil, any other hazardous waste, any material presumed to be hazardous waste fuel pursuant to 310 CMR 30.215, specification used oil fuel, off-specification used oil fuel, unused commercial fuel oil, unused commercial crude oil, or any hazardous or non-hazardous material burnable as fuel), and
- 3. that is managed in compliance with 310 CMR 30.200.

- RESIDUAL FUEL OIL means No. 4, No. 5, or No. 6 fuel oil. Residual fuel oil having a sulfur content of 0.55 or 0.28 pounds per million Btu heat release potential is approximately equal to residual fuel oil having a sulfur content of 1.0 or 0.5 percent by weight respectively.

- USED OIL FUEL means a regulated recyclable material

- 1. that is recycled by burning for energy recovery, and
- 2. that is:
 - a. a waste oil, or
 - b. any fuel, other than hazardous waste fuel, produced from waste oil by processing, blending, or other treatment, and
- 3. that is managed in compliance with 310 CMR 30.200.

FUEL ADDITIVE means any substance which is not a natural component of the fuel to which it may be added or in conjunction with which it may be used.

FUEL CELL means an electrochemical device that converts the chemical energy in a fuel into electricity and heat.

FUEL UTILIZATION FACILITY means any furnace(s), fuel burning equipment, boiler(s), space heaters or any appurtenance thereto used for the burning of fuels, for the emission of products of combustion, or in connection with any process which generates heat and emits products of combustion, but does not mean a motor vehicle or an incinerator; except that for the purposes of 310 CMR 7.22, means a single furnace, fuel burning equipment, boiler or space heater for the purpose of generating electricity or thermal energy.

FUGITIVE EMISSIONS means those emissions which could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

FUME means any aerosol resulting from chemical reaction, distillation, or sublimation.

FURNACE means any enclosed structure designed to produce heat from the burning of a fuel therein, but does not mean open hearths, incinerators, stoves for cooking, fireplaces, or equipment for the melting, reclaiming, or refining of metals or maple syrup.

GAS means the state of matter having neither independent shape nor independent volume but having a tendency to expand and diffuse infinitely.

GASOLINE for the purpose of 310 CMR 7.24, means any petroleum distillate having an RVP of more than four pounds per square inch as defined by ASTM Method D323. Mixtures of 10% or greater simple alcohols are excluded from this definition.

GASOLINE MARKETING FACILITY for the purpose of 310 CMR 7.24, means a stationary tank having a capacity of greater than 250 gallons in which gasoline is stored or from which it is dispensed be it through retail or wholesale transfer.

GENERATOR means any person, by site, whose act or process produces hazardous waste, or whose act first causes a hazardous waste to become subject to regulation pursuant to 310 CMR 30.000.

GLASS means a hard amorphous inorganic substance made by fusing silicates, and sometimes borates and phosphates, with certain basic oxides.

GLASS MELTING FURNACE means equipment using heat for the production of glass. A unit comprising a refractory vessel in which raw materials are charged, melted at high temperature, refined, and conditioned to produce molten glass.

HALOGENATED ORGANIC COMPOUND is any compound of carbon (excluding metallic carbides or carbonates and ammonium carbonate) combined with a halogen. For purposes of 310 CMR 7.12 and 310 CMR 7.18, halogenated organic compounds (HOC) are the following specific chemicals: methylene chloride, perchloroethylene (tetrachloroethylene), CFC-11 (trichlorofluoromethane), CFC-12 (dichlorodifluoromethane), CFC-22 (chlorodifluoromethane), FC-23 (trifluoromethane), CFC-114 (dichlorotetrafluoro- ethane), and CFC-115 (chloropentafluoroethane).

HALOGENATED ORGANIC COMPOUND is any compound of carbon (excluding metallic carbides or carbonates and ammonium carbonate) combined with a halogen. For purposes of 310 CMR 7.18, inclusive, halogenated organic compounds are the following specific chemicals: methylene chloride, CFC-11(trichloro- fluoromethane), CFC-12 (dichlorodifluoromethane), CFC-22 (chlorodifluoromethane), FC-23 (trifluormethane), CFC-114 (dichlorotetrafluoroethane), and CFC-115 (chloropentafluoroethane).

HAND-FIRED FURNACE means any furnace in which fuel is manually placed directly on the hot fuel bed but does not mean stoves or fireplaces or other equipment used for the cooking of food.

HARDBOARD is a panel manufactured primarily from inter-felted ligno-cellulosic fibers that are consolidated under heat and pressure in a hot press.

HARDENER means an additive designed to promote a faster cure of coatings which cure by chemical cross-linking of the resin components.

HARDWOOD PLYWOOD is plywood whose surface layer is a veneer of hardwood.

HAZARDOUS AIR POLLUTANT (HAP) means an air contaminant designated by EPA under 42 U.S.C. 7412, as modified by EPA in 40 CFR Part 63, Subpart C (40 CFR 63.60 through .69). That list is incorporated by reference herein, together with all amendments and supplements thereto. A copy of the list is available from the Department.

HAZARDOUS WASTE means a waste, or combination of wastes, which because of its quantity, concentration, or physical, chemical or infectious characteristics may cause, or significantly contribute to an increase in serious irreversible, or incapacitating reversible illness or pose a substantial present or potential hazard to human health, safety, or welfare or to the environment when improperly treated, stored, transported, used or disposed of, or otherwise managed, however, not to include solid or dissolved materials in irrigation return flows or industrial discharges which are point sources subject to permits under Section 402 of the Federal Water Pollution Control Act of 1967 as amended, or source, special nuclear, or by-product material as defined by the Atomic Energy Act of 1954. Hazardous waste shall include any waste which is listed, identified, or otherwise determined to be hazardous waste pursuant to 310 CMR 30.100 subject to 310 CMR 30.355, 30.356 and 30.380.

HEAT RELEASE RATE means the steam generating unit design heat input capacity (in Btu per hour) divided by the furnace volume (in cubic feet); the furnace volume is that volume bounded by the front furnace wall where the burner is located the furnace side waterwall, and extending to the level just below or in front of the first row of convection pass tubes.

HEATSET OFFSET LITHOGRAPHIC PRINTING means offset lithographic process that requires heat to set or dry the ink.

HIGH OCCUPANCY VEHICLE (HOV) means an automobile, van or bus with one or more passengers in addition to the driver, including taxi's with a single passenger.

HIGH OCCUPANCY VEHICLE LANE means a lane of travel designated for the sole use of high occupancy vehicles.

HIGH VOLUME LOW PRESSURE (HVLP) SPRAY APPLICATION means spray equipment used to apply a coating by means of a spray gun which operates between 0.1 and 10 Psig air pressure.

IMPACT-RESISTANT COATING means a coating designed to resist chipping caused by road debris.

IN GAS SERVICE (for the purpose of 310 CMR 7.18(19)) means any component which contacts process fluid that is in the gaseous state under operating conditions.

IN LIGHT LIQUID SERVICE (for the purpose of 310 CMR 7.18(19)) means a component is in contact with a fluid containing greater than ten percent by weight light liquid.

IN VOC SERVICE (for the purpose of 310 CMR 7.18(19)) means equipment handling ten percent or greater VOC by weight is subject to this regulation.

INCINERATOR means any article, machine, equipment, contrivance, structure, or part of a structure, used primarily for the reduction of combustible waste(s) by burning.

- COMMERCIAL or INDUSTRIAL INCINERATORS means any incinerator operated by any commercial or industrial establishment primarily for the reduction of refuse generated by said establishment.

- DOMESTIC INCINERATOR means any incinerator used primarily for the reduction of domestic refuse generated on the premises.

- FLUE-FED INCINERATOR means any incinerator provided with a single flue which serves as both the charging chute and the duct for conduction of the products of combustion to the ambient air space.

- HAZARDOUS WASTE INCINERATOR means any incinerator used for the reduction of hazardous waste except infectious waste as regulated by the Department of Public Health pursuant to the provisions of 105 CMR 130.354.

- MODULAR INCINERATOR means any incinerator of a standard design and identifiable by the manufacturer's markings.

- MUNICIPAL INCINERATOR means any incinerator operated by any person primarily for the reduction of refuse generated by the public at large.

- SPECIAL INCINERATOR means any incinerator designed for a special purpose such as but not limited to burning of biological, pathological, or toxicological refuse or for a specific facility.

INTERNAL FLOATING ROOF means a cover in a fixed roof tank which rests upon or is floated upon the petroleum liquid being contained, and is equipped with a closure seal or seals to close the space between the cover's edge and the tank shell.

INTERIOR BASE COAT means any coating applied by roller coater or spray to the metal sheets for three piece cans to provide a protective lining between the can metal and the product.

INTERIOR BODY SPRAY means any coating sprayed on the interior of the can body to provide a protective film between the product and the can.

ISOLATE means for the purpose of 310 CMR 7.24(6), to take out of service one or more components of a Stage II system so that the remainder of the Stage II system operates as required by the terms and conditions of the system's currently applicable Executive Order.

KNIFE COATING means the application of any coating to a substrate by means of drawing the substrate beneath a thin blade that spreads the coating evenly over the full width of the substrate

LARGE APPLIANCE SURFACE COATING means the coating of doors, cases, lids, panels, and interior support parts of residential and commercial washers, dryers, ranges, refrigerators, freezers, water-heaters, dishwasher, trash compactors, air conditioners, and other associated products.

LEAK (for the purpose of 310 CMR 7.18(19) and 7.24(8)) means the emission of a volatile organic compound concentration greater than or equal to 10,000 parts per million by volume (ppmv) as shown by monitoring or dripping of process fluid.

LEAKING COMPONENT (for the purpose of 310 CMR 7.18(19) and 7.24(8)) means any component which has a leak.

LEAN BURN ENGINE means a stationary reciprocating internal combustion engine in which the amount of O₂ in the engine exhaust gases is 1.0% or more.

LEASE CUSTODY TRANSFER means the transfer of produced crude oil and/or condensate, after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other form of transportation.

LEATHER SURFACE COATING means the coating of a leather substrate to impart properties that are not initially present, such as strength, stability, water or chemical repellency, or appearance.

LIGHT-DUTY TRUCK means any motor vehicle rated at 8500 pounds gross vehicle weight or less which is designed primarily for the transportation of property. As used in 310 CMR 7.40, LIGHT DUTY TRUCK means any motor vehicle, rated at 6000 pounds gross vehicle weight or less, which is designed primarily for purposes of transportation of property or is a derivative of such a vehicle, or is available with special features enabling off-street or off-highway operation and use.

LIGHT LIQUID (for the purpose of 310 CMR 7.18(19)) means a fluid with a vapor pressure greater than 0.3 kiloPascals (0.044 psi) at 20°C.

LIGHTERING OR LIGHTERING OPERATION means the offshore transfer of a bulk liquid cargo from one marine tank vessel to another vessel.

LIQUID-MOUNTED SEAL means a primary seal mounted in continuous contact with the liquid between the tank wall and the floating roof around the circumference of the tank.

LITHOGRAPHIC PRINTING means a printing process in which the image and non-image areas of the plate are on the same geometric plane. The image area is oil-receptive (hydrophobic) and the non-image area is water receptive (hydrophilic).

LOADING EVENT means an occurrence beginning with the connecting of marine terminal storage tanks to a marine tank vessel by means of pipes or hoses followed by the transferring of

organic liquid cargo from the storage tank into the tank vessel and ending with the disconnecting of the pipes or hoses; or any other means of admitting any other organic liquid into marine vessel cargo tanks.

LOWEST ACHIEVABLE EMISSION RATE (LAER) means, for any source, the more stringent rate of emissions based on the following:

- (a) The most stringent emissions limitation which is contained in any state SIP for such class or category of stationary source, unless the owner or operator of the proposed stationary source demonstrates that such limitations are not achievable; or
- (b) The most stringent emissions limitation which is achieved in practice by such class or category of stationary source. This limitation, when applied to a modification, means the lowest achievable emissions rate for the new or modified emissions units within a stationary source.

In no event shall LAER allow a proposed new or modified stationary source to emit any pollutant in excess of the amount allowable pursuant to applicable New Source Performance Standards of 40 CFR Part 60.

MAGNET WIRE INSULATION SURFACE COATING means the application of electrically insulating varnish or enamel to aluminum or copper wire for use in electrical machinery.

MAIL OUT means a widely distributed general correspondence issued by the California Air Resources Board whenever said Board needs information from the public, or when it wishes to inform the public of new information.

MAJOR MODIFICATION means any physical change or change in the method of operation, or a series of changes occurring within a five year period as of June 1, 1982, of a major stationary source that would result in a significant increase in emissions of a pollutant subject to regulation under the Act. A physical change or change in the method of operation, unless prohibited under any permit condition, shall not include:

- an increase in the hours of operation or in the production rate, or
- use of an alternative fuel or raw material that the source was capable of using before January 6, 1975, or
- use of refuse - derived fuel from municipal solid waste at a steam generating unit, or
- use of an alternative fuel by reason of an order issued under the Energy Supply and Environmental Coordination Act of 1974 or its successor(s), or under section 125 of the Clean Air Act, or
- routine maintenance, repair, replacement, or change in ownership at a stationary source.

MAJOR STATIONARY SOURCE means:

- (a) any stationary source of air pollutants which emits, or has federal potential to emit, 100 tons per year or more of any pollutant subject to regulations under the Act; or
- (b) any physical change that would occur at a stationary source not qualifying under paragraph (a) of this definition as a major stationary source, if the change would constitute a major stationary source by itself.

A major stationary source that is major for volatile organic compounds shall be considered major for ozone.

MAKEUP SOLVENT means any solvent(s) which is(are) added to printing inks to reduce viscosity or otherwise modify properties.

MALFUNCTION means any sudden, infrequent, and not reasonably preventable failure of air pollution control and monitoring equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

MANUFACTURERS ADVISORY CORRESPONDENCE means a document issued by the California Air Resources Board, which is a policy interpretation for further clarification of the California Code of Regulations applicable to motor vehicles.

MANUFACTURING PLANT for purposes of 310 CMR 7.18(7), means a stationary source where automobile or light-duty truck bodies are manufactured and/or finished.

MARINE TANK VESSEL means any marine vessel which is capable of carrying liquid bulk cargo in tanks.

MARINE TERMINAL means any facility or structure constructed to load or unload organic liquid bulk cargo into or out of marine tank vessels.

MARINE VESSEL means any tugboat, tanker, freighter, barge, passenger ship, or any other boat, ship, or watercraft except those used primarily for recreation.

MASSACHUSETTS EMISSION INSPECTION TESTING MANUAL means a booklet which sets forth in detail the required exhaust emissions testing procedures to be used by all Certified Emissions Inspectors when performing the combined safety and emission inspection for motor vehicles which will result in the issuance of a certificate of inspection or a certificate of rejection.

MATERIAL RECOVERY SECTION means a vacuum devolatilizer system, styrene recovery system, or other system of equipment which separates styrene monomer and/or reaction by-products from polystyrene, or separates styrene monomer from reaction by-products.

MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY means the standard established by the Administrator pursuant to the Clean Air Act, §§ 112 and 129 (42 U.S.C. 7412 and 42 U.S.C. 7429), that represents the maximum degree of reduction in emissions of hazardous air pollutants determined, after examination of economics, health, and environmental impacts, to be achievable for new or existing sources in the category or sub-category to which the emission standard applies. MACT Standards may be determined by the Department pursuant to 40 CFR 63 Subpart B.

MAXIMUM DESIGN CAPACITY means the rated design capacity, operating rate or production rate of an emission unit as determined by the manufacturer of that unit or other method approved by the Department.

METAL CAN SURFACE COATING means the coating of two or three piece metal cans.

METAL COIL SURFACE COATING means the coating of any flat metal sheet or strip that comes in rolls or coils.

METAL FURNITURE SURFACE COATING means the coating of any metal parts which will be assembled with other metal, wood, fabric, plastic, or glass parts to form a furniture piece.

MINOR MODIFICATION means, for the purposes of 310 CMR 7.24(6), the re-installation, repair or replacement of one or more Stage II System components that is not substantial, including, but not limited to: less than 50% of the motor vehicle fuel dispensers (*e.g.*, one of four dispensers); a central vacuum unit of a Healy 400 ORVR nozzle system or Healy 600 nozzle system; ball float extractor valve housings; dispenser mounted vapor pumps; or “screw-on” spill or dry break buckets. If the re-installation, repair or replacement of Stage II System components occurs at a motor vehicle fuel dispensing facility with two or less dispensers, the re-installation, repair or replacement of only one of the motor vehicle fuel dispensers shall be a Minor Modification.

MISCELLANEOUS METAL PARTS AND PRODUCTS mean farm machinery (harvesting, fertilizing, and plant machines, tractors, combines, lawn mowers, rototillers, etc); small appliances; commercial and office equipment (computers and auxiliary equipment, typewriters, calculators, vending machines, etc.); fabricated metal products (metal doors, frames, etc.); industrial machinery (pumps, compressors, conveyor components, fans, blowers, transformers, etc.); and any other metal parts or products which are coated under Standard Industrial Classification Codes of Major Groups 33, 34, 35, 36, 37, 38, and 39. The use of autobody anti-chip coatings and underbody plastisols in automobile and light-duty truck surface coating is considered coating of miscellaneous parts and products. In addition, this definition includes exterior coating of assembled entire aircraft and assembled entire metal marine vessels. This definition does not include metal cans, flat metal sheets, and strips in the form of rolls or coils; magnet wire for use in electrical machinery; metal furniture; large appliances; automobile and light duty trucks, automobile refinishing; or customized topcoating of automobiles and trucks, if production is less than 35 vehicles per day.

MIST means any liquid aerosol formed by the condensation of vapor or by the atomization of liquids.

MOBILE EQUIPMENT means, for the purposes of 310 CMR 7.18(28), any equipment that is physically capable of being driven or drawn upon a highway including but not limited to construction vehicles (such as mobile cranes, bulldozers and concrete mixers); farming equipment (such as tractors and plows); hauling equipment (such as truck trailers, utility bodies and camper shells) and miscellaneous equipment (such as street sweepers and golf carts).

MODEL YEAR means a motor vehicle manufacturer's annual production period which includes January 1 of a calendar year or, if the manufacturer has no annual production period, the calendar year. In the case of any vehicle manufactured in two or more stages, the time of manufacture shall be the date of completion of the chassis.

MODIFIED PART as used in 310 CMR 7.40 means any aftermarket part intended to replace an original equipment emissions-related part and which is not functionally identical to the original equipment part in all respects which in any way affect emissions, excluding a consolidated part.

MONITOR (for the purpose of 310 CMR 7.18(19)) means to measure volatile organic compound concentration by the appropriate EPA reference method.

MONTHLY THROUGHPUT means the total volume of motor vehicle fuel that is loaded into, or dispensed from, all motor vehicle fuel storage tanks at a motor vehicle fuel dispensing facility during a month. Monthly throughput is calculated by summing the volume of motor vehicle fuel loaded into, or dispensed from, all motor vehicle fuel storage tanks at a motor vehicle fuel dispensing facility during the current day, plus the total volume of motor vehicle fuel loaded into, or dispensed from, all motor vehicle fuel storage tanks at a motor vehicle fuel dispensing facility during the previous 364 days, and then dividing the sum by 12.

MOTOR VEHICLE means any equipment or mechanical device propelled primarily on land by power other than muscular power but does not mean railroad and railway engines and cars, vehicles operated by the system known as trolley motor or trackless trolley, or devices used for domestic purposes.

MOTOR VEHICLE FUEL means any petroleum distillate having a Reid Vapor Pressure of more than four pounds per square inch as determined by ASTM Method D323 and which is used primarily to power motor vehicles. This definition includes, but is not limited to, gasoline and mixtures of simple alcohols and gasoline.

MOTOR VEHICLE FUEL DISPENSING FACILITY means any facility where motor vehicle fuel is dispensed into motor vehicle fuel tanks, motor vehicle fuel-powered equipment, or portable containers from a storage tank with a capacity of 250 gallons or more.

MOTOR VEHICLE PARKING SPACE means any space which is used for the purpose of parking motor vehicles (whether or not demarcated as such), and whether or not a fee has been charged for its use; except those parking spaces used by residents, on street parking spaces, parking spaces designated by the City of Boston as parking for residents only shall not be considered as motor vehicle parking spaces. Nor shall parking spaces used for the purpose of the temporary storage of motor vehicles for sale, or parking spaces owned or operated by the Massachusetts Bay Transit Authority and used solely by transit users be considered motor vehicle parking spaces.

MOTOR VEHICLE POLLUTION CONTROL SYSTEM means the combination of emission-related parts which controls air pollutant emissions from a motor vehicle or motor vehicle engine.

MW means megawatt or a unit of electrical power equal to one million watts.

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS

(NESHAPS) means those standards adopted by the U.S. Environmental Protection Agency and contained in the Code of Federal Regulations, Title 40, Part 61, and subsequent revisions as specified in the Regulations. Any emission testing to be compared with NESHAPS must be conducted in accordance with applicable procedures as specified in said Code of Federal Regulations, Title 40, Part 61, or amendments thereto, or by another method which has been demonstrated to the satisfaction of the Department as being equivalent.

NATURAL DRAFT OPENING means any permanent opening in an enclosure that remains open during operation of the emission unit and is not connected to a duct in which a fan is installed.

NATURAL FINISH HARDWOOD PLYWOOD PANELS means panels whose original grain pattern is enhanced by essentially transparent finishes which are frequently supplemented by fillers and toners.

NEW SOURCE PERFORMANCE STANDARDS (NSPS) means Standards of Performance for New Stationary Sources adopted by the U.S. Environmental Protection Agency and contained in Code of Federal Regulations, Title 40, Part 60, and subsequent revisions as specified in the Regulations. Any emission testing to be compared with NSPS must be conducted in accordance with applicable procedures as specified in said Code of Federal Regulations, Title 40, Part 60, or amendments thereto, or by another method which has been demonstrated to the satisfaction of the Department as being equivalent.

NEW VEHICLE means any passenger car or light duty truck with 7,500 miles or fewer on its odometer.

NEWSPAPER PRINTING is a non-heatset web offset lithographic process.

NO-BUILD ALTERNATIVE means the project roadway, the appurtenant highway network and roadway operational characteristics that would exist if the project were not built and assuming the level of development and services (*e.g.*, transit) which physically exist at the time of analysis or for which construction has commenced and completion and full utilization is expected prior to the projected completion date of the project under review.

NOISE means sound of sufficient intensity and/or duration as to cause or contribute to a condition of air pollution.

NONATTAINMENT AREA means an area designated by the EPA as not meeting the National Ambient Air Quality Standard for a criteria pollutant pursuant to the Clean Air Act, § 107 (42 U.S.C. 7407) and 40 CFR Part 81. The current Massachusetts attainment status is published at 40 CFR 81.322, Subpart C - Section 107 Attainment Status Designations.

NONATTAINMENT REVIEW is plan review for major sources and major modifications as defined and described in 310 CMR 7.00: *Appendix A*.

NON-COMBUSTION ENERGY SOURCE: for the purpose of 310 CMR 7.22 means a facility which does not rely on the burning of fossil or alternative fuel to produce electricity, such as wind, solar or geothermal. Sources regulated by the NRC or utilizing nuclear fuel are not included in this definition.

NON-CRITERIA POLLUTANT is any air contaminant that is not listed as a criteria pollutant.

NON-HEATSET OFFSET LITHOGRAPHIC PRINTING means offset lithographic process that does not require heat to set or dry the ink.

NORTHEAST STATES means Maine, New Hampshire, Vermont, Massachusetts, New York, Connecticut, Rhode Island, and New Jersey.

ODOR means that property of gaseous, liquid, or solid materials that elicits a physiologic response by the human sense of smell.

OFF-PEAK PARKING SPACES means motor vehicle parking spaces not available for parkers between the hours of 7:30 AM and 9:30 AM on weekdays.

OFFSET LITHOGRAPHIC PRINTING means a printing process that transfers the printing image to an intermediary surface, which, in turn, transfers the image to the printing substrate.

OFF-STREET PARKING SPACES means parking spaces on private or public property adjacent to and/or with access to but not on a public or private roadway.

OPACITY means that characteristic of matter which renders it capable of interfering with the transmission of rays of light and causes a degree of obscuration of an observer's view.

OPAQUE STAIN means all stains that contain pigments but are not classified as semitransparent stains, and includes stains, glazes and other opaque material applied to wood surfaces.

OPEN BURNING means burning under such conditions that the products of combustion are emitted directly to the ambient air space and are not conducted thereto through a stack, chimney, duct, or pipe. Open burning includes above or underground smoldering fires.

ORGANIC LIQUID for the purpose of 310 CMR 7.24(8) means any liquid organic material having a vapor pressure of equal to, or greater than 1.5 pounds per square inch absolute under actual storage conditions.

ORGANIC MATERIAL means any chemical compound of carbon excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbonates, metallic carbides and ammonium carbonates.

OVERVARNISH means a coating applied directly over ink to reduce the coefficient of friction, to provide gloss and/or to protect the finish against abrasion and corrosion.

OWNER/OPERATOR means any person, any department or instrumentality of the federal government, or any public or private group which: a) has legal title, alone or with others, of a facility, b) has the care, charge, or control of a facility, or c) has control of a demolition/renovation operation, including but not limited to contractors and subcontractors.

PACKAGING ROTOGRAVURE PRINTING means rotogravure printing upon paper, paper board, metal foil, plastic films, and other substrates which are, in subsequent operations, formed into packaging products and labels for articles to be sold.

PAINT SPRAY BOOTH means a structure housing automatic or manual spray application equipment where coating is applied.

PAPER SURFACE COATING means the coating, including specialty printing, of paper with organic solvent borne material for a variety of decorative and functional products, including but not limited to, adhesive tapes, adhesive labels, metal foil, decorated, coated and glazed paper, book covers, office copier paper (zinc oxide coated), carbon paper, typewriter ribbons, and photographic films.

PARK AND FLY PARKING SPACES means privately owned and operated off-street parking spaces located in the East Boston Parking Freeze Area provided for use by Logan Airport air travellers and visitors.

PARKING FREEZE means a limitation on the number of parking spaces available for specific uses within a specific geographic area.

PARKING SPACE means that area of public or private property that is designated or used for the parking or storage of one motor vehicle, excluding areas used for the loading and the unloading of goods.

PARTICULATE means any material that exists in a finely divided form as a liquid or solid at ambient air temperatures, humidity and pressures.

PARTICULATE MATTER (PM) means any airborne finely divided solid or liquid material, other than uncombined water.

PARTICULATE MATTER EMISSIONS means all finely divided solid or liquid material, other than uncombined water, emitted into the ambient air, as measured by applicable reference methods, or equivalent or alternative specified methods, specified by EPA in the Code of Federal Regulations, or by test methods specified by DEP and approved by EPA.

PASSENGER CAR means any motor vehicle designed primarily for transportation of persons and having a design capacity of 12 persons or less.

PENETRATING PRIME COAT means an application of low viscosity liquid asphalt to an absorbent surface used to prepare an untreated base for an asphalt surface.

PEAK HOUR means a one hour period where the highest volume of traffic is utilizing any given roadway segment.

PERFORMANCE STANDARDS. For the purpose of 310 CMR 7.37, mean average peak hour travel times, expressed in terms of minutes, for a given roadway segment. Performance standards are a measurement of the level of service provided by a high occupancy vehicle lane.

PERSON means any individual, partnership, association, firm, syndicate, company, trust, corporation, department, authority, bureau, agency, political subdivision of the Commonwealth, law enforcement agency, fire fighting agency, or any other entity recognized by law as the subject of rights and duties.

PETROLEUM LIQUIDS means crude oil, condensate and any finished or intermediate products manufactured or extracted in a petroleum refinery (through the petroleum refining process).

PIGMENTED COAT means opaque coatings that contain binders and colored pigments and are formulated to conceal the wood surface either as an undercoat or topcoat.

PLAN APPROVAL means the written approval by the Department of a comprehensive plan application or a limited plan application issued under 310 CMR 7.02(2).

PLASTIC PARTS are parts made from a substance that has been formed from a resin through the application of heat, pressure or both. They include but are not limited to plastic components for the following areas: automotive interior parts; automotive exterior parts, both flexible and rigid; business and office machine parts; medical equipment housings; entertainment equipment housings; toys; musical equipment housings; sporting goods; outdoor signs; architectural structures such as doors, floors and window frames; transportation equipment; and other miscellaneous plastic parts.

PLASTIC PARTS SURFACE COATING means the coating of a plastic part to impart properties that are not initially present, such as strength, stability, water or chemical repellency, resistance to EMI/RFI or appearance.

PM 10 or PARTICULATE MATTER 10 means particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers as measured by a reference method based on Appendix J of Part 50 of CFR 40 and designated in accordance with Part 53 or by an equivalent method designated in Part 53.

PM10 EMISSIONS means finely divided solid or liquid material, or condensable substance, other than uncombined water, emitted to the ambient air, as measured by applicable reference methods, or equivalent or alternative methods, specified by EPA in the Code of Federal Regulations or by test methods specified by DEP and approved by EPA.

POTENTIAL EMISSIONS or POTENTIAL TO EMIT means the maximum capacity of a facility or a stationary source to emit any air contaminant or pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or stationary source to emit any air contaminant or pollutant, including air pollution control equipment and/or restrictions on hours of operation, or on the type or amount of material combusted, stored or processed, shall be treated as part of the design only if the limitation is specifically stated in the facility's or stationary source's plan approval(s), approved emission control plan(s), operating permit, certification(s), restricted emission status, notification(s) and applicable regulations, or in the case of *de minimis* sources, in records established and maintained at the facility or stationary source pursuant to 310 CMR 7.02(2)(b). Fugitive emissions, to the extent quantifiable, are included in determining the potential emissions or the potential to emit of a facility or stationary source; secondary emissions are not included.

PRESSURE RELIEF VALVE (for the purpose of 310 CMR 7.18(19)) means a safety relief device used in applications where the process pressure may exceed the maximum allowable working pressure of the vessel.

PRETREATMENT WASH PRIMER means the first coat applied to bare metal if solvent-based primers will be applied. This coating contains a minimum of 0.5% acid by weight, is necessary to provide surface etching, and is applied directly to bare metal surfaces to provide corrosion resistance.

PRIME COAT means the first film of coating applied in a multiple coating operation.

PRIMER SEALER means a coating that improves the adhesion of the topcoat, provides corrosion resistance, promotes color uniformity, and resists penetration by the topcoat.

PRIMER SURFACER means a coating that fills in surface imperfections and builds a film thickness in order to allow sanding.

PRINCIPAL ORGANIC HAZARDOUS CONSTITUENT (POHC) means a specific hazardous waste constituent(s) which is listed in 310 CMR 30.160 or otherwise specified by the Department, which is in a hazardous waste incinerator waste feed, and for which the Department determines that a performance standard shall apply. In determining whether a hazardous waste constituent shall be a POHC, the Department shall consider the degree of difficulty to incinerate (*e.g.*, heat of combustion, autoignition temperature, etc.), concentration or mass in the waste feed, toxicity, and other factors as determined by the Department.

PRINTING PRESS means a printing production assembly, with the ability to print one or multiple colors, designed to produce a printed product.

PRINTING INK means any fluid or viscous mixture used in printing, impressing, or transferring an image onto a substrate.

PRINT PASTE means a viscous mixture containing a pigment or dye which is applied to a textile substrate as a decorative pattern or design.

PRINTED INTERIOR PANEL means a panel whose grain or natural surface is obscured by fillers and basecoats upon which a simulated grain or decorative pattern is printed.

PROCESS WEIGHT PER HOUR means the total weight of all materials introduced into any specific process that may cause any emissions of particulate matter. Solid fuels charged are considered as part of the process weight, but liquid and gaseous fuels and combustion air are not. For a cyclical or batch operation, the process weight per hour is derived by dividing the total process weight by the number of hours in one complete operation from the beginning of any given process to the completion thereof, excluding any time during which the equipment is idle. For a continuous operation, the process weight per hour is derived by dividing the process weight for a typical period of time.

PRODUCTS OF INCOMPLETE COMBUSTION (PICs) means organic compounds in a hazardous waste incinerator flue gas other than principal organic hazardous constituents (POHCs).

PROJECT AREA means the geographical area defined by Executive Office of Environmental Affairs as the study area in its decision setting forth the scope of a project pursuant to 301 CMR 11.06.

PROJECT ROADWAY means the roadway which is enclosed (or proposed to be enclosed) within a tunnel or similar structure which is identified by the Executive Office of Environmental Affairs as falling within the project area in its determination issued pursuant to 301 CMR 11.06.

PROPANOL SUBSTITUTE means a non-propanol additive that contains volatile organic compounds and is used in fountain solution. Additives are used to reduce surface tension and increase viscosity of the fountain solution.

PUBLIC FACILITY means a facility wholly owned or operated by the Commonwealth; or by a city, town or governmental entity which is protected from the imposition of additional costs being assessed against such city, town or entity by M.G.L. c. 29, s. 27C as amended (Proposition Two and One Half).

PUBLICATION ROTOGRAVURE PRINTING Means rotogravure printing upon paper which is subsequently formed into books, magazines, catalogues, brochures, directories, newspaper supplements, and other types of printed materials.

QUARTERLY (for the purpose of 310 CMR 7.18(19)) means four times per year at 90 day intervals.

QUENCH AREA means a chamber where the hot metal exiting an oven is cooled by either a spray of water or a blast of air followed by water cooling.

RADIATION means any ionizing or non-ionizing, electromagnetic or particulate radiation or any sonic, infrasonic, or ultrasonic wave.

RADIOACTIVE MATERIAL means any material or materials in combination (solid, liquid, or gaseous) which emit(s) ionizing radiation.

REASONABLY AVAILABLE CONTROL TECHNOLOGY means the lowest emission limitation that a particular facility is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility.

RECALL means:

1. A manufacturer's issuing of notices directly to consumers that vehicles in their possession or control should be corrected;
2. A manufacturer's efforts to actively locate and correct vehicles in the possession or control of consumers.

RECALL CAMPAIGN means that plan approved by the California Air Resources Board or the Department, by which the manufacturer will effect the recall of noncomplying vehicles.

RECYCLABLE MATERIAL

- (a) Recyclable material means any material that is used or reused or reclaimed.
- (b) Used or reused material means any material that is either:
 1. employed as an ingredient (including use as an intermediate) in an industrial process to make a product, except when distinct components of the material are recovered as separate end products, or
 2. employed in a particular function or application as an effective substitute for a commercial product.
- (c) Reclaimed material means any material that is processed to recover a useable product or that is regenerated.

RECOVERY DEVICE means an individual unit of equipment, including, but not limited to, an absorber, carbon adsorber, or condenser, capable of and used for the purpose of removing vapors and recovering liquids or chemicals.

REDUCER means a solvent added to dilute a coating, usually for the purpose of lowering its viscosity.

REFEREE STATION means the District Registry Offices, and any other location designated by the Registrar, where certificates of waiver, emission challenge certificates, and temporary maintenance stickers are available following compliance with the respective requirements, enforced by the Registry and set forth in 310 CMR 7.20(9), (10), and (12).

REFRIGERATED CHILLER means a device which is mounted above the water jacket and the primary condenser coils, consisting of secondary coils which carry a refrigerant to provide a

chilled air blanket above the solvent vapor to reduce emissions from the degreaser bath. The chilled air blanket temperature measured at the centroid of the degreaser at the coldest point shall be no greater than 30% of the solvents boiling point measured in °F.

REFUSE means any animal, vegetable, or mineral, solid, liquid, or gaseous waste. It includes, but is not limited to, rubbish, garbage, ashes, construction waste, industrial waste, commercial waste, demolition waste, agricultural waste, abandoned vehicles, and any unwanted or discarded material. It does not include hazardous waste.

REGISTRAR means the Registrar of the Registry of Motor Vehicles.

REGISTRY means the Registry of Motor Vehicles.

REGULATED POLLUTANT means any air contaminant regulated under the Federal Clean Air Act, 42 U.S.C. sections 7401 et seq., excluding pollutants regulated under Section 112 of the Act.

REGULATED RECYCLABLE MATERIAL means any recyclable material which either

- (a) has a characteristic described in 310 CMR 30.120 through 30.125, or
- (b) is listed or otherwise described in 310 CMR 30.131 through 30.136, or
- (c) has been determined by the Department to be a hazardous waste pursuant to 310 CMR 30.144.

REID VAPOR PRESSURE is a standardized measure of the vapor pressure of a liquid in pounds per square inch absolute at 100°F as determined by ASTM Method D323.

REMOTE PARKING SPACES means any parking space (whether or not defined as a “motor vehicle parking space” for the purpose of 310 CMR 7.00) which serves end uses outside of a parking freeze area including, but not limited to, parking for airport use, for Downtown Boston parking, and for remote employee parking.

RENTAL MOTOR VEHICLE parking spaces means off-street parking spaces for rental/leased passenger motor vehicles at a facility owned, operated and/or leased by a motor vehicle rental company.

REPAIR (for the purpose of 310 CMR 7.18(19)) means to reduce the volatile organic compound concentration of a leaking component to below 10,000 ppmv as shown by monitoring.

REPLACEMENT PART as used in 310 CMR 7.40 means any aftermarket part which is intended to replace an original equipment emissions-related part and which is functionally identical to the original equipment part in all respects which in any way affect emissions (including durability), or a consolidated part.

RESPONSIBLE OFFICIAL means, in the case of:

- (a) a sole proprietorship - the sole proprietor.
- (b) a partnership - a general partner with the authority to bind the partnership.

(c) a corporation or a non-profit corporation - a president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function who has been duly authorized to bind the corporation pursuant to a corporate vote, or an employee of the corporation who has been duly authorized to bind the corporation pursuant to a corporate vote.

(d) a municipality or other public agency - a principal executive officer or ranking elected official who is empowered to enter into contracts on behalf of the municipality or public agency.

(e) a trust - a trustee or any other natural person authorized:

1. to enter into contracts regarding the trust property;
2. to bind the trust; or
3. to encumber or dispose of the trust property.

(f) a limited liability company - a person authorized pursuant to M.G.L. c. 156C, s. 24 and the limited liability company's operating agreement to bind the company and all the members.

RESTRICTED USE PARKING SPACES means parking spaces, provided by Massport for use by Logan Airport air travellers and visitors for free when commercial parking space demand exceeds the supply of on-Logan Airport commercial parking spaces, and which are not otherwise available for use by Logan Airport air travellers and visitors.

ROADWAY THRESHOLD STANDARDS means standards established pursuant to 310 CMR 7.36(3) that represent a significant increase in traffic volume above baseline roadway conditions and which trigger construction of a high occupancy vehicle lane.

ROLL COATING means the application of a coating to a substrate by means of hard rubber or steel rolls.

ROLL PRINTING means the application of decorative print, words, designs, or pictures to a substrate by means of hard rubber or steel rolls each with only partial coverage of the substrate.

ROLLER PRINTING means rotogravure printing on a textile substrate.

ROTARY SCREEN PRINTING means the application of a decorative print, words, designs, or pictures to a textile substrate by means of a cylindrical, metal screen.

ROTOGRAVURE PRINTING means the application of words, designs and pictures to a substrate by means of a roll printing technique which involves an intaglio or recessed image areas in the form of cells.

ROUTINE MAINTENANCE means, for the purposes of 310 CMR 7.24(6), the regular reinstallation, repair or replacement of one or more Stage II System components including, but not limited to: hoses; nozzles; breakaways; swivels; hose retractors; bucket plow rings; "slip-on"

spill or dry break buckets; “O” rings and seals; submersible pumps or suction pipes; fill adaptors; fill tubes; vapor adaptors; fill and vapor caps; drain valves; monitor caps; or riser caps.

SEALER means a coating containing binders which seal a wood surface prior to the application of subsequent coatings.

SECONDARY EMISSIONS means emissions which would occur as a result of the construction or operation of a major stationary source/facility or major modification but do not come from the major stationary source/facility or major modification itself. Secondary emissions must be specific, well defined, quantifiable, and impact the same general areas as the facility which causes the secondary emissions. Secondary emissions may include, but are not limited to:

- emissions from motor vehicles, ships or trains going to or from the major stationary source/facility, and
- emissions from any offsite support facility which would not otherwise be constructed, or increase its emissions as a result of the construction or operation of the major stationary source/facility or major modification.

SECRETARY means the Secretary of Transportation and Construction.

SEMITRANSPARENT STAIN means a stain that contains dyes or semitransparent pigments which is formulated to enhance wood grain and change the color of the surface, but not to conceal the surface. Such stains include sap stain, toner, nongrain raising stains, pad stains and spatter stains.

SHEET-FED means a printing operation in which the substrate is fed to the printing press in individual sheets.

SIMPLE CYCLE COMBUSTION TURBINE means any stationary combustion turbine which does not recover heat from the combustion turbine exhaust gases to heat water or generate steam.

SINGLE COAT means a single film of coating applied directly to the substrate omitting any primer application.

SINGLE-OCCUPANT COMMUTER VEHICLE means a motor-powered vehicle with four or more wheels with capacity for a driver plus one or more passengers which is used by a commuter traveling alone to and/or from work or classes and is not customarily required to be used in the course of his employment, or studies.

SINGLE-STAGE TOPCOAT means a topcoat consisting of only one coating.

SMALLER EMPLOYERS means any person or entity who employs between 50 and 250 employee commuters who are located within an industrial or office park and are within walking distance of each other.

SMOKE means the visible aerosol, which may contain flyash, resulting from combustion of materials but does not mean condensed water vapor.

SOAP means cleansing agents made of the alkali metal salts of fatty acids having from ten to 18 carbon atoms.

SOLIDS as used in 310 CMR 7.18, means the volume (in gallons) of solid material in a coating, ink, or other organic material as determined by EPA Test Method 24:40 CFR 60 Appendix A (volume of coating minus volume of carrier such as photochemically reactive and or non-photochemically reactive solvents and water) or as provided by the coating manufacturer.

SOLVENT means a substance that is used to dissolve or dilute another substance; this term includes, but is not limited to dissolvers, viscosity reducers, degreasing agents or cleaning agents.

SOLVENT METAL DEGREASING means the process of cleaning metal surfaces by using a volatile organic compound:

- Cold cleaning degreasing means the batch process of solvent metal cleaning by spraying, brushing, flushing or immersion while maintaining the solvent below its boiling point. Wipe cleaning is not included in this definition.
- Conveyorized degreasing means the continuous process of solvent metal cleaning by operating with either cold or vaporized solvents.
- Vapor degreasing means the process of solvent metal cleaning by condensing hot solvent vapor on the colder metal parts.

SOUND means the phenomenon of alternative increases and decreases in the pressure of the atmosphere, caused by radiations having a frequency range of from 20 to 20,000 cycles per second, that elicits a physiologic response by the human sense of hearing.

SPACE HEATER means a heating device that has no external heating pipes or external heating ducts and that is used for the direct heating of the area in and adjacent to the area in which the device is located.

- USED OIL FUEL FIRED SPACE HEATER means a space heater that is capable of burning used oil fuel.

SPECIAL AND EXTREME SOLVENT METAL CLEANING means the use of degreasers:

- (a) To clean metal parts used in the manufacturing and rework of electronic parts, assemblies, boxes, wiring harnesses, sensors and connectors used in aerospace service;
 - (b) To clean metal parts used in the manufacturing of ozone, nitrous oxide, fluorine, chlorine, bromine, halogenated compounds, or oxygen in concentrations greater than 23%;
- or
- (c) To clean metal parts exposed to ozone, nitrous oxide, fluorine, chlorine, bromine, halogenated compounds, or oxygen in concentrations greater than 23%.

SPECIALTY COATING means a product which is necessary due to unusual job performance requirements. These coatings or additives include, but are not limited to, adhesion promoters,

uniform finish blenders, elastomeric materials, impact resistant coatings, underbody coatings, weld through primers, gloss flatteners, bright metal trim repair, and anti-glare/safety coatings.

SPECIALTY PRINTING means all gravure and flexographic operations which print a design or image, excluding packaging rotogravure printing and publication rotogravure printing. Specialty printing operations include, but are not limited to, printing on paper cups and plates, patterned gift wrap, wall paper, and floor coverings.

SPLASH FILLING means the filling of a tank truck or stationary tank through a pipe or hose whose discharge opening is above the surface level of the liquid in the tank being filled.

STAGE I CARB ENHANCED VAPOR RECOVERY (EVR) COMPONENT or EVR COMPONENT , as used in 310 CMR 7.24(3), means a component identified in any of the Executive Orders listed in 310 CMR 7.24(3)(c)1.: *Table 1.* and 310 CMR 7.24(3)(c)1.: *Table 2.*

STAGE I CARB ENHANCED VAPOR RECOVERY (EVR) SYSTEM , as used in 310 CMR 7.24(3), means a vapor balance system certified by CARB pursuant to a Phase I Executive Order to prevent discharge to the atmosphere of at least 98% by weight of vapors displaced during the transfer of motor vehicle fuel from a tank truck to a motor vehicle fuel storage tank.

STAGE I COMPONENT ENHANCED VAPOR RECOVERY (EVR) SYSTEM , as used in 310 CMR 7.24(3), means:

- (a) for an underground storage tank, a vapor balance system constructed from components identified in any one of the Phase I Executive Orders listed in 310 7.24(3)(c)1.: *Table 1.*, including, but not limited to, the following components: spill containment buckets, drain valves, dust caps, rotatable product adaptors, riser adaptors, drop tubes, rotatable vapor adaptors, tank gauge ports, and pressure/vacuum vent valves; and
- (b) for aboveground storage tanks, a vapor balance system constructed from components identified in any of the Phase I Executive Orders and applicable Standing Loss Control Executive Orders listed in 310 CMR 7.24(3)(c)1.: *Table 2.*

STAGE I MINOR MODIFICATION , as used in 310 CMR 7.24(3), means the installation, repair or replacement of one or more Stage I system components that is not substantial, including, but not limited to, product drop tubes; overfill prevention devices; “screw-on” spill containment and dry break buckets.

STAGE I NON-ENHANCED VAPOR RECOVERY SYSTEM , as used in 310 CMR 7.24(3), means a vapor balance system certified by CARB to prevent discharge to the atmosphere of at least 95% by weight of vapors displaced during the transfer of motor vehicle fuel from a tank truck to a motor vehicle fuel storage tank.

STAGE I ROUTINE MAINTENANCE , as used in 310 CMR 7.24(3), means the regular installation, repair or replacement of one or more Stage I system components, including, but not limited to, bucket plow rings; “slip-on” spill containment and dry break buckets; “O” rings and

seals; product adaptors; vapor adaptors; product caps; vapor caps; monitor caps; riser caps; drain valves; and pressure/vacuum vent valves.

STAGE I SUSTANTIAL MODIFICATION , as used in 310 CMR 7.24(3), means the installation, repair or replacement of one or more Stage I system components requiring excavation below a shear valve or tank pad including, but not limited to, vent piping; vapor space tie bar; dual-point or co-axial Stage I systems; or motor vehicle fuel storage tanks.

STAGE I SYSTEM means a Stage I CARB EVR System, a Stage I Component EVR System, or a Stage I Non-enhanced vapor recovery system.

STAGE II MINOR MODIFICATION means, for the purposes of 310 CMR 7.24(6), the re-installation, repair or replacement of one or more Stage II System components that is not substantial, including, but not limited to, less than 50% of the motor vehicle fuel dispensers (*e.g.*, one of four dispensers); a central vacuum unit of a Healy 400 ORVR nozzle system or Healy 600 nozzle system; ball float extractor valve housings; dispenser mounted vapor pumps; or “screw-on” spill or dry break buckets. If the re-installation, repair or replacement of Stage II System components occurs at a motor vehicle fuel dispensing facility with two or less dispensers, the re-installation, repair or replacement of only one of the motor vehicle fuel dispensers shall be a Minor Modification.

STAGE II ROUTINE MAINTENANCE means, for the purposes of 310 CMR 7.24(6), the regular installation, repair or replacement of one or more Stage II System components including, but not limited to, hoses; nozzles; breakaways; swivels; hose retractors; bucket plow rings; “slip-on” spill or dry break buckets; “O” rings and seals; submersible pumps or suction pipes; fill adaptors; fill tubes; vapor adaptors; fill and vapor caps; drain valves; monitor caps; or riser caps.

STAGE II SUBSTANTIAL MODIFICATION means, for the purposes of 310 CMR 7.24(6), the reinstallation, repair or replacement of one or more Stage II System components including, but not limited to, 50% or more of the motor vehicle fuel dispensers (*e.g.*, two of four dispensers); the replacement of one type of Stage II system with another (*e.g.*, replacement of a balance system with a vacuum assist system, or a Healy 400 ORVR nozzle system or Healy 600 nozzle system with a Healy VP-1000 system); or the re-installation, repair or replacement of Stage II System components requiring excavation below a shear valve or tank pad (*e.g.*, vapor return piping, vent piping, vapor space tie bar, two-point or coaxial Stage I systems; or motor vehicle fuel storage tanks). If the re-installation, repair or replacement of one or more Stage II System components occurs at a motor vehicle fuel dispensing facility with two or fewer dispensers, the re-installation, repair or replacement of all motor vehicle fuel dispensers shall be a Substantial Modification.

STAGE II SYSTEM , as used in 310 CMR 7.24(6), means a vapor recovery system identified in an Executive Order and specifically designed for the purpose of controlling vapors during the direct dispensing of motor vehicle fuel to a motor vehicle.

STANDARD CONDITIONS mean a temperature of 20°C, and pressure of 760 millimeters of mercury.

STANDARD OPERATING PROCEDURE (S.O.P.) means the specific procedure for operation of, and which minimizes the emission from, an air contamination source.

STATE IMPLEMENTATION PLAN (“SIP”) means the most recently prepared plan or revision thereof required by the Federal Clean Air Act which has been approved by the U.S. EPA.

STATIONARY COMBUSTION TURBINE means any stationary internal combustion engine which operates with a rotary motion, including any simple cycle turbine, regenerative cycle turbine, or any turbine portion of a combined cycle steam/electric generating system that is not self propelled.

STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINE means any reciprocating internal combustion engine. It does not include an engine that is regulated by EPA as a non-road engine pursuant to 42 U.S.C. 7543(e) and 42 U.S.C. 7547(e) or is self-propelled.

STATIONARY SOURCE means any building, structure, facility or installation which emits or may emit any air pollutant subject to regulation under the Federal Clean Air Act.

STENCIL COATING means an ink or pigmented coating which is rolled or brushed onto a template or stamp in order to add identifying letters, symbols, or numbers to motor vehicles, or their parts or components.

STOKER means a boiler/furnace design that incorporates a feeding mechanism, fuel distribution and ash residue collection system for the purpose of introducing solid fuel into the combustion zone of the boiler/furnace by feeding the fuel onto a grate.

STRUCTURAL MEMBER means any load-supporting member of a facility including beams and load-supporting walls, or any nonload-supporting member including ceilings and nonload-supporting walls.

STUDENT means any daytime student who does not live at the educational institution and who travels to and from classes by any mode of travel.

SUBMERGED FILLING means the filling of a motor vehicle fuel storage tank through a pipe whose discharge opening is entirely submerged below the surface level of the liquid in the tank.

SUBSTANTIAL MODIFICATION means, for the purposes of 310 CMR 7.24(6), the reinstallation, repair or replacement of one or more Stage II System components including, but not limited to: 50% or more of the motor vehicle fuel dispensers (*e.g.*, two of four dispensers); the replacement of one type of Stage II system with another type (*e.g.*, replacement of a balance system with a vacuum assist system, or a Healy 400 ORVR nozzle system or Healy 600 nozzle system with a Healy VP-1000 system); or the re-installation, repair or replacement of Stage II System components requiring excavation below a shear valve or tank pad (*e.g.*, vapor return piping, vent piping, vapor space tie bar, two-point or coaxial Stage I systems; or motor vehicle fuel storage tanks). If the re-installation, repair or replacement of one or more Stage II System

components occurs at a motor vehicle fuel dispensing facility with two or fewer dispensers, the re-installation, repair or replacement of all motor vehicle fuel dispensers shall be a Substantial Modification.

SUBSTANTIAL RECONSTRUCTION means any physical change in, or changes in the method of operation of a facility or its appurtenances which changes the amount of emissions from such facility.

SUBSTRATE means the surface onto which a coating, ink or other material is applied or impregnated.

SULFUR IN FUEL - for the purpose of 310 CMR 7.05, sulfur in fuel is as follows:

(a) Oil

2.2% sulfur content = 1.21 pounds of sulfur per million Btu. heat release potential

1% sulfur content = 0.55 pounds of sulfur per million Btu heat release potential

0.5% sulfur content = 0.28 pounds of sulfur per million Btu. heat release potential.

(b) Coal

1.57% sulfur content = 1.21 pounds of sulfur per million Btu heat release potential
(assuming 13,000 Btu per pound)

0.72% sulfur content = 0.55 pounds of sulfur per million Btu. heat release potential
(assuming 13,000 Btu per pound)

0.36% sulfur content = 0.28 pounds of sulfur per million Btu. heat release potential
(assuming 13,000 B.T.U. per pound)

SURFACE COATING means a process whereby a layer of one substance is deposited on or in another material. The layer of coating may be used to decorate, bond, protect, strengthen, or impart other properties to substrate.

SURFACE PREPARATION PRODUCT means a product formulated to dissolve and remove tar, grease, wax, and other hydrophobic contaminants from a surface prior to application of a primer.

SYNTHETIC ORGANIC CHEMICAL MANUFACTURING FACILITY (for the purpose of 310 CMR 7.18(19)) means a facility which manufactures, as a final or intermediate product, polyethylene, polypropylene, polystyrene, methyl tert-butyl ether (MTBE), or one of the chemicals listed in 40 CFR Part 60.489 as amended.

TANGENTIAL FIRING means a furnace firing design where the burners are mounted at the corners of the furnace chamber.

TANK TRUCK means a truck or trailer equipped with a storage tank and used for the transport of motor vehicle fuel from sources of supply to stationary fuel tanks, or to motor vehicle fuel tanks.

TEMPORARY MAINTENANCE FORM means a statement indicating that a motor vehicle has failed the emission inspection requirements established by the Department and that one or more pollution control components required for the motor vehicle to meet the emissions inspection

requirements is not available within 15 days of the date of the vehicle's most recent emission inspection test or re-test. Such component(s) must be placed on order by the owner or operator of the vehicle, and satisfactory proof of such order must be furnished to the Registry prior to the issuance of a Temporary Maintenance Form. A temporary Maintenance Form shall be valid for one year, and shall not be renewable but transferable to any subsequent owner during the one-year period. No further Temporary Maintenance Form shall be issued in any subsequent year to such vehicle for such component(s).

TEST VEHICLE means an experimental or prototype motor vehicle which appears to have very low emission characteristics or a used motor vehicle within which an experimental motor vehicle pollution control device is installed, and which has also received a test vehicle or fleet permit from the California Air Resources Board pursuant to Manufacturers Advisory Correspondence No. 83-01.

TEXTILE FINISHING means the preparation, decorative enhancement, or functional enhancement of a natural or man-made textile substrate. Specific textile finishing processes include, but are not limited to, textile cleaning (desizing and scouring), bleaching, dyeing, printing, and final finishing.

THIN PARTICLEBOARD means a manufactured board that is 0.25 inches or less in thickness, and made of individual wood particles that have been coated with a binder and formed into flat sheets by pressure.

THIRD-PARTY VANPOOL PROGRAM means a vanpool program operated by an organization other than an employer which acquires and provides vans to groups of interested commuters.

THREE PIECE CAN SIDE SEAM SPRAY means a coating sprayed on the exterior and interior of a welded, cemented or soldered seam to protect the exposed metal.

THREE-STAGE COATING SYSTEM means a topcoat system composed of a colored basecoat, a semi-transparent midcoat, and a final transparent clearcoat. For compliance purposes, the VOC content of three-stage coating systems shall meet the emission limitation for topcoats in Table 7.18(28)(c), and is calculated according to the following formula:

$$\text{VOC } T_{3\text{-stage}} = \frac{\text{VOC}_{bc} + \text{VOC}_{mc} + 2 \text{VOC}_{cc}}{4}$$

Where:

VOC $T_{3\text{-stage}}$ is the weighted average of the VOC content, as applied, in the basecoat, midcoat, and clearcoat system.

VOC_{bc} is the VOC content, as applied, of any given basecoat.

VOC_{mc} is the VOC content, as applied, of any given midcoat.

2VOC_{cc} is twice the VOC content, as applied, of any given clearcoat.

TILEBOARD means paneling that has a colored, waterproof surface coating.

TOPCOAT means the final film of coating applied in a multiple coat operation.

TOTAL HALOGENS means the total concentration, by weight, of fluorine, chlorine, bromine, and iodine, as measured by a method acceptable to the Department.

TOUCH-UP COATING means a coating applied by brush, airbrush, or non-refillable aerosol can of no more than eight ounces to cover minor surface damage and imperfections.

TRANSFER EFFICIENCY means the portion of coating solids which remain on the substrate during the application process, expressed as a percentage of the total volume of coating solids delivered by the applicator.

TUNNEL VENTILATION SYSTEM means any mechanical system which is designed to provide ventilation of any air contaminant regulated herein from any public roadway which is covered or otherwise enclosed in a tunnel or similar structure.

TWO PIECE CAN EXTERIOR END COATING means a coating applied by roller coating or spraying to the exterior end of a can to provide protection to the metal.

TWO-STAGE TOPCOAT means a basecoat/clearcoat system composed of a colored basecoat and a transparent final coat. For compliance purposes, the VOC content of basecoat/clearcoat systems shall meet the emission limitation for two-stage topcoats in Table 7.18(28)(c), and shall be calculated according to the following formula:

$$\text{VOC } T_{bc/cc} = \frac{\text{VOC}_{bc} + 2 \text{VOC}_{cc}}{3}$$

Where:

VOC $T_{bc/cc}$ is the weighted average of the VOC content, as applied, in the basecoat (bc) and clearcoat (cc) system.

VOC_{bc} is the VOC content, as applied, of any given basecoat.

2VOC_{cc} is twice the VOC content, as applied, of any given clearcoat.

UNDERBODY COATING means a coating designed for protection and sound deadening that is typically applied to the wheel wells and underbody of an automobile.

UNIFORM FINISH BLENDER means a coating designed to blend a repaired topcoat into an existing topcoat.

UNIT TURNAROUND (for the purpose of 310 CMR 718(19)) means unit shutdown and purge for internal inspection and repair.

UNUSED WASTE OIL means waste oil that is superfluous or abandoned fuel, storage tank, bottoms, clean-out sludge, sludge from the separation of unused oil from a non-hazardous waste, contaminated oil resulting from the clean-up of a release of oil, and any other waste oil that is not used waste oil.

USED VEHICLE means any passenger car or light duty truck with more than 7,500 miles on its odometer.

USED WASTE OIL means used and/or reprocessed, but not subsequently re-refined, waste oil that has served its original intended purpose. Such oil includes, but is not limited to, fuel oil, engine oil, gear oil, cutting oil, transmission fluid, and dielectric fluid.

VACUUM ASSIST SYSTEM means a Stage II system utilizing a pump, blower, or other vacuum inducing device, to collect and, or, process vapors during the dispensing of motor vehicle fuel.

VAPOR means the gaseous state of certain substances that can exist in equilibrium with their solid or liquid states under standard conditions.

VAPOR BALANCE SYSTEM means a vapor recovery system utilizing direct displacement to collect and/or process vapors during the transfer of motor vehicle fuel.

VAPOR COLLECTION AND CONTROL SYSTEM (for the purpose of 310 CMR 7.24(6)) means any system certified by the Department and which prevents discharge to the atmosphere of at least 95% by weight of motor vehicle fuel vapors displaced during the dispensing of motor vehicle fuel into motor vehicle fuel tanks. Vapor collection and control systems certified by the Department for installation and operation under the requirements of 310 CMR 7.24(6) shall be listed periodically in the Massachusetts Environmental Protection Act office publication, the Environmental Monitor, issued in accordance with the provisions at 301 CMR 11.19.

VAPOR-MOUNTED SEAL means a primary seal mounted so there is an annular vapor space underneath the seal. The annular vapor space is bounded by the bottom of the primary seal, the tank wall, the liquid surface, and the floating roof.

VAPOR-TIGHT means equipment that allows no loss of vapors. Compliance with vapor-tight requirements can be determined by checking to ensure that the concentration at a potential leak source is not equal or greater than 100% of the Lower Explosive Limit when measured with a combustible gas detector, calibrated with propane, at a distance of one inch from the source.

VINYL SURFACE COATING means the application of a decorative, protective or functional coating and/or printing on vinyl coated fabric or vinyl sheets.

VISIBLE EMISSIONS, for the purpose of 310 CMR 7.15, means any emissions that are detectable without the aid of instruments. This does not include condensed uncombined water vapor.

VOC COMPOSITE PARTIAL PRESSURE means the sum of the partial pressures of the compounds defined as VOC.

VOC Composite Partial Pressure is calculated as follows:

$$PP_c = \frac{\sum_{i=1}^n (W_i)(VP_i)/MW_i}{\frac{W_w}{Mw_w} + \frac{W_e}{Mw_e} + \sum_{i=1}^n \frac{W_i}{Mw_i}}$$

where:

W_i = Weight of the "i"th VOC compound, in grams

W_w = Weight of water, in grams

W_e = Weight of exempt compounds, in grams

M_{wi} = Molecular weight of the "i"th VOC compound, in $\frac{g}{mole}$

M_{ww} = Molecular weight of water, in $\frac{g}{mole}$

M_{w_e} = Molecular weight of exempt compound, in $\frac{g}{mole}$

PP_c = VOC composite partial pressure, in mm Hg

VP_i = Vapor pressure of the "i"th compound, in mm Hg

n = The number of VOC compounds

VOLATILE ORGANIC COMPOUND is any compound of carbon which participates in atmospheric photochemical reactions. For the purpose of determining compliance, VOC is measured by the applicable reference test methods specified in 40 CFR 60. This definition includes all organic compounds except the following:

<u>CAS Number</u>	<u>Chemical Name</u>
67641	acetone,
506876	ammonium carbonate,
630080	carbon monoxide,
124389	carbon dioxide,
463796	carbonic acid,
N/A	metallic carbides or carbonates,
74828	methane,
74840	ethane,
79209	methyl acetate,
71556	methyl chloroform (1,1,1-Trichloroethane),

107313	methyl formate,
75092	methylene chloride, (dichloromethane),
98566	parachlorobenzotrifluoride (PCBTF)
127184	perchloroethylene (tetrachloroethylene),
75694	CFC-11 (trichlorofluoromethane),
75718	CFC-12 (dichlorodifluoromethane),
75456	CFC-22 (chlorodifluoromethane),
76131	CFC-113, Freon-113, (trichlorotrifluoroethane),
76142	CFC-114 (dichlorotetrafluoroethane),
76153	CFC-115 (chloropentafluoroethane),
75467	FC-23 (trifluoromethane),
593704	HCFC-31 (chlorofluoromethane),
306832	HCFC-123 (2,2-dichloro-1,1,1-trifluoroethane),
354234	HCFC-123a (1,2-dichloro-1,1,2-trifluoroethane),
2837890	HCFC-124 (2-chloro-1,1,1,2-tetrafluoroethane),
1717006	HCFC-141b (1,1-dichloro-1-fluoroethane),
75683	HCFC-142b (1-chloro-1,1-difluoroethane),
1615754	HCFC-151a (1-chloro-1-fluoroethane),
422560	HCFC-225ca (3,3-dichloro-1,1,1,2,2-pentafluoropropane),
507551	HCFC-225cb (1,3-dichloro-1,1,2,2,3-pentafluoropropane),
75105	HFC-32 (difluoromethane),
354336	HFC-125 (pentafluoroethane),
359353	HFC-134 (1,1,2,2-tetrafluoroethane),
811972	HFC-134a (1,1,1,2-tetrafluoroethane),
4129462	HFC-143a (1,1,1-trifluoroethane),
75376	HFC-152a (1,1-difluoroethane),
353366	HFC-161 (ethylfluoride),
690391	HFC-236fa (1,1,1,3,3,3-hexafluoropropane),
679867	HFC-245ca (1,1,2,2,3-pentafluoropropane),
24270664	HFC-245ea (1,1,2,3,3-pentafluoropropane),
431312	HFC-245eb (1,1,1,2,3-pentafluoropropane),
460731	HFC-245fa (1,1,1,3,3-pentafluoropropane),
431630	HFC-236ea (1,1,1,2,3,3-hexafluoropropane),
431890	HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane),
406586	HFC-365mfc (1,1,1,3,3-pentafluorobutane),
138495428	HFC 43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane),
375031	HFE-7000 or n-C3F7OCH3 (1,1,1,2,2,3,3-heptafluoro-3-methoxypropane),
163702076	HFE-7100 or C4F9OCH3 (1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxybutane),
163702087	(CF3)2CFCF2OCH3 (2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-hepta-fluoropropane),
163702054	HFE-7200 or C4F9OC2H5 (1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane),

54376602	HFE-7300 or L-14787 or C2F5CF(OCH3)CF(CF3)2 (1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-trifluoromethyl- pentane),
163702065	(CF3)2CFCF2OC2H5 (2-(ethoxydifluoromethyl)-1,1,1,2,3,3,3- hepta-fluoropropane),
297730939	HFE-7500 or HFE-s702 or T-7145 or L-15381 (3-ethoxy- 1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)hexane),
N/A	Cyclic, branched, or linear, completely fluorinated alkanes,
N/A	Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations,
N/A	Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations,
N/A	Cyclic, branched, or linear, completely methylated siloxanes,
N/A	Sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

The following compound(s) are Volatile Organic Compounds (VOC) for the purpose of all recordkeeping, emission reporting, photochemical modeling, and inventory requirements which apply to VOC and shall be uniquely identified in emission reports but are not VOC for the purpose of VOC emission limitations or VOC content requirements:

540885 t-butyl acetate

WASH COAT means a coating containing binders that raises wood surfaces, prevents undesired staining and controls stain penetration.

WASTE

- (1) Waste means any solid, liquid, semi-solid, or contained gaseous material, resulting from industrial, commercial, mining, or agricultural operations or from municipal activities, or any refuse, or sludge, which:
 - a. is sometimes discarded or is being accumulated, stored, or physically, chemically, or biologically treated prior to being discarded; or
 - b. has served its original intended purpose or is no longer suitable for its original intended purpose; or
 - c. is a manufacturing or mining by-product and sometimes is discarded; or
 - d. has served its original intended purpose and will be “used” as defined in 310 CMR 30.000.
- (2) A material is discarded if it is:
 - a. abandoned or intended to be abandoned;
 - b. disposed of;
 - c. incinerated; or
 - d. physically, chemically, or biologically treated in lieu of or prior to being disposed of or abandoned.
- (3) A manufacturing or mining by-product is a material that is not one of the primary products of a particular manufacturing or mining operation, is a secondary and incidental

product of the particular operation and would not be solely and separately manufactured or mined by the particular manufacturing or mining operation. The term does not include an intermediate manufacturing or mining product which results from one of the steps in a manufacturing or mining process and is typically processed through the next step of the process with a short time.

(4) Materials which have been approved by the Department for reuse or burning as a fuel at the site of generation pursuant to the provisions of 310 CMR 30.355 and 30.356 are not wastes.

WATER HOLD-OUT COATING means a coating applied to the interior cavity areas of doors, quarter panels, and rocker panels for the purpose of corrosion resistance to prolonged water exposure.

WATERPROOFING SEALER means a coating formulated and applied for the sole purpose of protecting porous substrates by preventing the penetration of water.

WAXY, HEAVY POUR CRUDE OIL means a crude oil with a pour point of 50 degrees fahrenheit or higher as determined by ASTM D97-66 "Test for Pour Point of Petroleum Oils."

WEB means a continuous roll of paper or other material which is used as a substrate.

WELD-THROUGH PRIMER means a primer that is applied to an area before welding is performed, and that provides corrosion resistance to the surface after welding has been performed.

WOOD FUEL means all wood intended to be used as a fuel included but not limited to trees, cord wood, logs, lumber, saw dust, and wood from: manufacturing processes (but offs, shavings, turnings, sander dust, etc.), wood pellets, slabs, bark, chips, waste pallets, boxes, etc. This definition does not include materials which are chemically treated with any preservative, paint, or oil.

WOOD PRODUCT means any product made of wood or a wood composite, including, but not limited to: kitchen cabinets, equipment cabinets, household furniture, and office furniture, but excluding flat wood panels.

ZERO EMISSION VEHICLE means a passenger car or light duty truck which produces zero emissions under any and all possible operational.

