

Rule 101 Definitions

(Adopted February 23, 1971; Amended September 14, 1971, January 4, 1972, December 12, 1972, July 15, 1980, August 8, 1982; Recodified August 6, 1985; Amended December 13, 1988, June 6, 1989, September 18, 1990, July 7, 1992, January 12, 1993, April 18, 1996, August 20, 1998, April 25, 2002; Recodified August 22, 2002; Amended January 22, 2004, June 24, 2010, March 28, 2013, April 24, 2014)

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RULE 101

- 1 **PURPOSE:** The purpose of this Rule is to provide standard terminology to be used throughout this Rulebook.
- 2 **APPLICABILITY:** The definitions in this Rule shall apply to all terms used within this Rulebook. Definitions specific to a given Rule are defined in that Rule or in the first Rule in the relevant regulation. Except as specifically provided in these Rules where the context otherwise indicates, words used in these Rules are used in exactly the same sense as the same words used in Division 26 of the Health and Safety Code.
- 3 **ACRONYMS:** The following acronyms are common to these definitions and Rulebook:

APCO: Air Pollution Control Officer

CARB: California Air Resources Board

CCR: California Code of Regulations

CFR: Code of Federal Regulations

DISTRICT: Butte County Air Quality Management District

EPA: United States Environmental Protection Agency

HSC: California Health and Safety Code

PPM_v: Parts per million by volume expressed on a dry gas basis.

- 4 **DEFINITIONS OF TERMS:**

4.1 Above Ground Storage Tank: Any storage container, reservoir, or tank with less than 10% of the tank and associated piping volume located below the ground surface or covered by earthen material.

4.2 Aeration: The exposure of excavated contaminated soil to the atmosphere without the use of air pollution control equipment or vapor extraction equipment.

4.3 Affected Pollutant: All pollutants (and the precursors to such pollutants) for which an ambient air quality standard has been established by EPA or CARB, all pollutants regulated by EPA under the Clean Air Act or by CARB under the Health and Safety Code, including reactive organic compounds, nitrogen oxides, sulfur oxides, PM₁₀, PM_{2.5}, carbon monoxide, total suspended particulates, ethylene, lead, asbestos, beryllium, mercury, vinyl chloride, fluorides, sulfuric acid mist, hydrogen sulfide, total reduced sulfur, and reduced sulfur compounds. Also, all of the pollutants which EPA, CARB, or the DISTRICT, after notice and opportunity for public comment and/or public hearing, determine may have a significant adverse effect on the environment, public health, or the public welfare.

4.4 Agricultural Burning: Burning for the disposal of agricultural vegetative

waste pursuant to DISTRICT Rule 300.

- 4.5 Agricultural Operation:** The growing and harvesting of crops, raising of fowl or animals for the primary purpose of making a profit, or providing a livelihood, or the conducting of agricultural research or instruction by an educational institution. Agricultural operations do not include activities involving the processing or distribution of crops or fowl or pumping of water for distribution outside the District.
- 4.6 Agricultural Waste:** The unwanted or unsalable materials produced wholly from agricultural operations and materials not produced from agricultural operations, but which are intimately related to the growing or harvesting of crops.
- 4.7 Air Contaminant or Pollutant:** Any discharge, release, or other propagation into the atmosphere directly, and includes, but is not limited to, smoke, dust, charred paper, soot, grime, carbon, noxious acids, greenhouse gases, fumes, gases, odors, or particulate matter, or any combination thereof.
- 4.8 Air Pollution Control Officer (APCO):** The person appointed by the DISTRICT Board pursuant to HSC Section 40750 to serve as the APCO of the Butte County Air Quality Management District and execute the duties specified in HSC Section 40752.
- 4.9 Ambient Air Quality Standards:** Health and welfare-based standards set by CARB and/or EPA for outdoor air which identify the maximum acceptable average concentrations of air pollutants during a specific period of time.
- 4.10 Atmosphere:** The air that envelopes or surrounds the earth. Where air pollutants are emitted into a building not designed specifically as a piece of air pollution control equipment, such emission into the building shall be considered an emission into the atmosphere.
- 4.11 Backfire:** A fire started in the path of an oncoming fire in order to deprive it of fuel and therefore control or extinguish it.
- 4.12 Board:** The Governing Board of the Butte County Air Quality Management District.
- 4.13 Burn Day or Permissive Burn Day:** Any day, or portion thereof, on which allowable burning is not prohibited pursuant to DISTRICT Rule 300.
- 4.14 Burn Permit or Air Quality Burn Permit:** A permit issued by the APCO of the DISTRICT that identifies the type(s) and quantity of materials to be burned at each location where burning is authorized and specifies conditions to be followed for the purpose of improving the combustibility of such waste in order to reduce its smoke level.

- 4.15 California Air Resources Board (CARB):** An organization which is part of the California Environmental Protection Agency and reports directly to the Governor's Office in the Executive Branch of California State Government whose duties include overseeing the activities of the 35 local and regional air pollution control and air quality management districts.
- 4.16 California Clean Air Act (CCAA):** California statute signed into law in 1988 setting California's air quality goals, planning mechanisms, regulatory strategies, and standards of progress.
- 4.17 Carbon Dioxide (CO₂) Equivalent (CO₂e):** The amount of greenhouse gases emitted relative to the global warming potential of each pollutant. CO₂e shall be computed by multiplying the mass amount of emissions (tons per year) for each greenhouse gas by the gas's associated global warming potential found in Table 4.17 (Global Warming Potentials) and summing the resultant values.

Table 4.17—Global Warming Potentials [100-Year Time Horizon]			
Name	CAS No.	Chemical formula	Global warming potential (100 yr.)
Carbon dioxide	124-38-9	CO ₂	1
Methane	74-82-8	CH ₄	25
Nitrous oxide	10024-97-2	N ₂ O	298
HFC-23	75-46-7	CHF ₃	14,800
HFC-32	75-10-5	CH ₂ F ₂	675
HFC-41	593-53-3	CH ₃ F	92
HFC-125	354-33-6	C ₂ HF ₅	3,500
HFC-134	359-35-3	C ₂ H ₂ F ₄	1,100
HFC-134a	811-97-2	CH ₂ FCF ₃	1,430
HFC-143	430-66-0	C ₂ H ₃ F ₃	353
HFC-143a	420-46-2	C ₂ H ₃ F ₃	4,470
HFC-152	624-72-6	CH ₂ FCH ₂ F	53
HFC-152a	75-37-6	CH ₃ CHF ₂	124
HFC-161	353-36-6	CH ₃ CH ₂ F	12
HFC-227ea	431-89-0	C ₃ HF ₇	3,200

Table 4.17—Global Warming Potentials [100-Year Time Horizon]			
Name	CAS No.	Chemical formula	Global warming potential (100 yr.)
HFC-236cb	677-56-5	CH ₂ FCF ₂ CF ₃	1,340
HFC-236ea	431-63-0	CHF ₂ CHF ₂ CF ₃	1,370
HFC-236fa	690-39-1	C ₃ H ₂ F ₆	9,810
HFC-245ca	679-86-7	C ₃ H ₃ F ₅	693
HFC-245fa	460-73-1	CHF ₂ CH ₂ CF ₃	1,030
HFC-365mfc	406-58-6	CH ₃ CF ₂ CH ₂ CF ₃	794
HFC-43-10mee	138495-42-8	CF ₃ CFHCFHCF ₂ CF ₃	1,640
Sulfur hexafluoride	2551-62-4	SF ₆	22,800
Trifluoromethyl sulphur pentafluoride	373-80-8	SF ₅ CF ₃	17,700
Nitrogen trifluoride	7783-54-2	NF ₃	17,200
PFC-14 (Perfluoromethane)	75-73-0	CF ₄	7,390
PFC-116 (Perfluoroethane)	76-16-4	C ₂ F ₆	12,200
PFC-218 (Perfluoropropane)	76-19-7	C ₃ F ₈	8,830
Perfluorocyclopropane	931-91-9	C-C ₃ F ₆	17,340
PFC-3-1-10 (Perfluorobutane)	355-25-9	C ₄ F ₁₀	8,860
Perfluorocyclobutane	115-25-3	C-C ₄ F ₈	10,300
PFC-4-1-12 (Perfluoropentane)	678-26-2	C ₅ F ₁₂	9,160
PFC-5-1-14 (Perfluorohexane)	355-42-0	C ₆ F ₁₄	9,300
PFC-9-1-18	306-94-5	C ₁₀ F ₁₈	7,500
HCFE-235da2 (Isoflurane)	26675-46-7	CHF ₂ OCHClCF ₃	350
HFE-43-10pccc (H-Galden 1040x)	E1730133	CHF ₂ OCF ₂ OC ₂ F ₄ OCHF ₂	1,870
HFE-125	3822-68-2	CHF ₂ OCF ₃	14,900
HFE-134	1691-17-4	CHF ₂ OCHF ₂	6,320
HFE-143a	421-14-7	CH ₃ OCF ₃	756

Table 4.17—Global Warming Potentials [100-Year Time Horizon]			
Name	CAS No.	Chemical formula	Global warming potential (100 yr.)
HFE-227ea	2356-62-9	CF ₃ CHFOCF ₃	1,540
HFE-236ca12 (HG-10)	78522-47-1	CHF ₂ OCF ₂ OCHF ₂	2,800
HFE-236ea2 (Desflurane)	57041-67-5	CHF ₂ OCHF ₂ CF ₃	989
HFE-236fa	20193-67-3	CF ₃ CH ₂ OCF ₃	487
HFE-245cb2	22410-44-2	CH ₃ OCF ₂ CF ₃	708
HFE-245fa1	84011-15-4	CHF ₂ CH ₂ OCF ₃	286
HFE-245fa2	1885-48-9	CHF ₂ OCH ₂ CF ₃	659
HFE-254cb2	425-88-7	CH ₃ OCF ₂ CHF ₂	359
HFE-263fb2	460-43-5	CF ₃ CH ₂ OCH ₃	11
HFE-329mcc2	67490-36-2	CF ₃ CF ₂ OCF ₂ CHF ₂	919
HFE-338mcf2	156053-88-2	CF ₃ CF ₂ OCH ₂ CF ₃	552
HFE-338pcc13 (HG-01)	188690-78-0	CHF ₂ OCF ₂ CF ₂ OCHF ₂	1,500
HFE-347mcc3	28523-86-6	CH ₃ OCF ₂ CF ₂ CF ₃	575
HFE-347mcf2	E1730135	CF ₃ CF ₂ OCH ₂ CHF ₂	374
HFE-347pcf2	406-78-0	CHF ₂ CF ₂ OCH ₂ CF ₃	580
HFE-356mec3	382-34-3	CH ₃ OCF ₂ CHF ₂ CF ₃	101
HFE-356pcc3	160620-20-2	CH ₃ OCF ₂ CF ₂ CHF ₂	110
HFE-356pcf2	E1730137	CHF ₂ CH ₂ OCF ₂ CHF ₂	265
HFE-356pcf3	35042-99-0	CHF ₂ OCH ₂ CF ₂ CHF ₂	502
HFE-365mcf3	378-16-5	CF ₃ CF ₂ CH ₂ OCH ₃	11
HFE-374pc2	512-51-6	CH ₃ CH ₂ OCF ₂ CHF ₂	557
HFE-449sl (HFE-7100) Chemical blend	163702-07-6 163702-08-7	C ₄ F ₉ OCH ₃ (CF ₃) ₂ CF ₂ OCF ₂ OCH ₃	297
HFE-569sf2 (HFE-7200) Chemical blend	163702-05-4 163702-06-5	C ₄ F ₉ OC ₂ H ₅ (CF ₃) ₂ CF ₂ OC ₂ H ₅	59
Sevoflurane	28523-86-6	CH ₂ FOCH(CF ₃) ₂	345

Table 4.17—Global Warming Potentials [100-Year Time Horizon]			
Name	CAS No.	Chemical formula	Global warming potential (100 yr.)
HFE-356mm1	13171-18-1	$(CF_3)_2CHOCH_3$	27
HFE-338mmz1	26103-08-2	$CHF_2OCH(CF_3)_2$	380
(Octafluorotetramethylene)hydroxymethyl group	NA	$X-(CF_2)_4CH(OH)-X$	73
HFE-347mmy1	22052-84-2	$CH_3OCF(CF_3)_2$	343
Bis(trifluoromethyl)-methanol	920-66-1	$(CF_3)_2CHOH$	195
2,2,3,3,3-pentafluoropropanol	422-05-9	$CF_3CF_2CH_2OH$	42
PFPME	NA	$CF_3OCF(CF_3)CF_2OCF_2O$ CF_3	10,300

Source: Table 1-A, 40 CFR Part 98, Subpart A

NA = not available.

- 4.18 Change of Location:** Any transfer of an existing, permitted source from one location to another location not on the same property or or at the same facility.
- 4.19 Class I Area:** A mandatory visibility protection area designated pursuant to Section 169A of the federal Clean Air Act.
- 4.20 Clean Air Act (CAA):** Unless otherwise indicated, the federal Clean Air Act as amended, 42 United States Code (U.S.C.) 7401, *et seq.*
- 4.21 Combustion Contaminant:** Any particulate matter discharged into the atmosphere from the burning of any material which contains carbon in either the free or the combined state.
- 4.22 Common Operations:** Operations which are related through dependent processes, storage or transportation of the same or similar products or raw material.
- 4.23 Compliance Schedule:** The date or dates by which a source or category of sources is required to comply with specific emission limitations contained in any air pollution rule, regulation, or statute and with any increment of progress toward such compliance.
- 4.24 Condensed Fumes:** Minute, solid particles generated by the condensation of

vapors from solid matter after volatilization from the molten state or by the sublimation, distillation, calcination, or chemical reaction of processes that create airborne particles.

- 4.25 Construction:** Any physical change or change in the method of operation (including fabrication, erection, installation, or modification of an emission unit) which would result in a change in actual emissions or the source's potential to emit.
- 4.26 Control Equipment:** Equipment which is used for the primary purpose of eliminating, reducing or controlling the issuance of air contaminants.
- 4.27 Daily Acreage Allocation:** The maximum number of acres of agricultural waste, in rice equivalent acres, that may be burned per day in the Butte County air quality management district as determined by the Central Computer Operator (CCO) by using the daily basinwide acreage allocation equation contained in the approved Agricultural Burning Plan per Title 17 CCR. Agricultural burning conducted above 2,000 feet is not included in the Daily Acreage Allocation.
- 4.28 Disposal:** Destruction or transformation of garbage or rubbish.
- 4.29 DISTRICT:** The Butte County Air Quality Management District; the air quality management district having jurisdiction over air quality in Butte County.
- 4.30 Dust:** The minute, solid particles released into the air by natural forces or by mechanical processes such as crushing, grinding, milling, drilling, demolishing, shoveling, conveying, covering, bagging, sweeping, or other similar processes.
- 4.31 Dwelling:** A place of residence.
- 4.32 Emission:** The act of releasing or discharging air contaminants into the atmosphere from any source.
- 4.33 Emission Point:** The place, located in a horizontal plane and vertical elevation, at which an air contaminant or pollutant enters the atmosphere.
- 4.34 Emission Unit:** An identifiable operation or piece of process equipment such as an article, machine, or other contrivance which emits, may emit, or results in the emission of any affected pollutant directly or as fugitive emissions.
- 4.35 Enhanced Vapor Recovery (EVR):** A system designed to recover the gasoline vapors generated while fueling vehicles in a service station.
- 4.36 Environmental Protection Agency (EPA):** The Environmental Protection

Agency of the United States; an independent federal agency established to coordinate programs aimed at reducing pollution and protecting the environment.

- 4.37 Excavation:** Removal of surface covering, soil, pavement, etc. to expose the underlying soils.
- 4.38 Executive Officer:** The Executive Officer of CARB.
- 4.39 Exempt Compound:** Volatile organic compounds (VOCs) that have low or insignificant contribution to ozone formation. These compounds remain unaffected pollutants and subject to the applicable regulatory requirements, including but not limited to, health risk assessment. The chemicals in Table 4.39 are exempt compounds as noted. CAS stands for chemical abstract.

Table 4.39: Exempt Compounds	
Compound Name:	CAS No.
Acetone	67-64-1
Ethane	74-84-0
Methane	74-82-8
methyl acetate	79-20-9
t-butyl acetate*	540-88-5
Inorganic carbon compounds:	
carbon monoxide	630-08-0
carbon dioxide	124-38-9
carbonic acid	463-79-6
metallic carbides or carbonates	Various
ammonium carbonate	506-87-6
methyl formate	107-31-3
propylene carbonate	108-32-7
dimethyl carbonate	616-38-6
Chlorinated compounds:	
1,1,1-trichloroethane (methyl chloroform)	71-55-6
methylene chloride (dichloromethane)	75-09-2
perchloroethylene (tetrachloroethylene)	127-18-4
Chlorofluorocarbons:	
trichlorofluoromethane (CFC-11)	75-69-4
dichlorodifluoromethane (CFC-12)	75-71-8
chlorodifluoromethane (HCFC-22)	75-45-6
trifluoromethane (HFC-23)	75-46-7
1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113)	76-13-1
1,2-dichloro-1,1,2,2-tetrafluoroethane (CFC-114)	76-14-2
chloropentafluoroethane (CFC-115)	76-15-3
Hydrofluorocarbons:	
difluoromethane (HFC-32)	75-10-5
1,1,1,2,3,4,4,5,5,5-decafluoropropane (HFC 43-10mee)	138495-42-8

Table 4.39: Exempt Compounds	
Compound Name:	CAS No.
pentafluoroethane (HFC-125)	354-33-6
1,1,2,2-tetrafluoroethane (HFC-134)	359-35-3
1,1,1,2-tetrafluoroethane (HFC-134a)	811-97-2
1,1,1-trifluoroethane (HFC-143a)	420-46-2
1,1-difluoroethane (HFC-152a)	75-37-6
ethylfluoride (HFC-161)	353-36-6
1,1,1,2,3,3,3-heptafluoropropane (HFC 227ea)	431-89-0
1,1,1,3,3,3-hexafluoropropane (HFC-236fa)	690-39-1
1,1,2,2,3-pentafluoropropane (HFC-245ca)	679-86-7
1,1,2,3,3-pentafluoropropane (HFC-245ea)	24270-66-4
1,1,1,2,3-pentafluoropropane (HFC-245eb)	431-31-2
1,1,1,3,3-pentafluoropropane (HFC-245fa)	460-73-1
1,1,1,2,3,3-hexafluoropropane (HFC-236ea)	431-63-0
1,1,1,3,3-pentafluorobutane (HFC-365mfc)	406-58-6
Hydrochlorofluorocarbons:	
chlorofluoromethane (HCFC-31)	593-70-4
2,2-dichloro-1,1,1-trifluoroethane (HCFC-123)	306-83-2
1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)	354-23-4
2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124)	2837-89-0
1,1-dichloro-1-fluoroethane (HCFC-141b)	1717-00-6
1-chloro-1,1-difluoroethane (HCFC-142b)	75-68-3
1 chloro-1fluoroethane (HCFC-151a)	1615-75-4
3,3-dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	422-56-0
1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	507-55-1
Hydrofluoroethanes:	
1,1,1,2,2,3,3-heptafluoro-3-methoxypropane (HFE-7000)	375-03-1
1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-butane (HFE-7100)	163702-07-6
1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane (HFE-7200)	163702-05-4
1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-trifluoromethyl-pentane (HFE-7300)	132182-92-4
3-ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2(trifluoromethyl) hexane (HFE-7500)	297730-93-9
Parachlorobenzotrifluoride (PCBTF)	98-56-6
2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF ₃) ₂ CFCF ₂ OCH ₃)	163702-08-7
2-(ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF ₃) ₂ CFCF ₂ OC ₂ H ₅)	163702-06-5
Cyclic, branched, or linear completely methylated siloxanes (VMS)	Various
Perfluorocarbon compounds which fall into these classes:	
cyclic, branched, or linear completely fluorinated alkanes;	Various
cyclic, branched, or linear completely fluorinated ethers with no unsaturations;	Various
cyclic, branched, or linear completely fluorinated tertiary	Various

Table 4.39: Exempt Compounds	
Compound Name:	CAS No.
amines with no saturations; and	
sulfur containing perfluorocarbons with no saturations and with sulfur bonds only to carbon and fluorine.	Various

* VOC for purposes of recordkeeping, emissions reporting, and photochemical modeling and inventory requirements which apply to VOC; but not VOC for purposes of determining VOC emission limitations or meeting content requirements.

Exempt compounds content of a coating shall be determined by South Coast Air Quality Management District Method 303-91 (Revised August 1996)

- 4.40 Existing Retail Service Station:** Any retail service station operating, constructed, or under construction as of January 13, 1989.
- 4.41 Facility:** Same as a “stationary source”.
- 4.42 Flue:** Any duct or passage for air, gases or the like, such as a stack or chimney.
- 4.43 Fossil Fuel:** Natural gas, petroleum, coal and any form of solid, liquid, or gaseous fuel derived from such materials.
- 4.44 Fossil Fuel-Fired Steam Generator:** A furnace or boiler used in the process of burning fossil fuel for the primary purpose of producing steam by heat transfer.
- 4.45 Fugitive Dust:** Any solid particulate matter that becomes airborne, other than that emitted from an exhaust stack, directly or indirectly as a result of the activities of any person.
- 4.46 Garbage:** Discarded or useless material except vegetative wastes and agricultural wastes.
- 4.47 Gasoline:** Any organic liquid (including petroleum distillates and methanol) having a Reid vapor pressure of four (4) pounds or greater and used as a motor vehicle fuel or any fuel which is commonly or commercially known or sold as gasoline, including methanol 85 (M85).
- 4.48 Gasoline Vapors:** Any and all organic compound vapors displaced from gasoline storage tanks or gasoline delivery vehicles during the transfer of gasoline. Any liquid gasoline entrained in the displaced vapors shall be included when measuring the total mass of organic vapors emitted during gasoline transfer operations.
- 4.49 Greenhouse Gases (GHGs):** The aggregate group of six greenhouse gases: carbon dioxide, nitrous oxide, methane, hydrofluorocarbons (by category),

perfluorocarbons (by category), and sulfur hexafluoride.

- 4.50 Hazardous Air Pollutant (HAP):** Any substance listed in or pursuant to Section 112(b) of the Clean Air Act.
- 4.51 Health and Safety Code (HSC):** The Health and Safety Code of the State of California.
- 4.52 Hearing Board:** The Hearing Board of the Butte County Air Quality Management District.
- 4.53 Incineration:** An operation in which combustion is carried on for the principal purpose, or with the principal result of oxidizing a waste material to reduce its bulk or facilitate its disposal.
- 4.54 Installation:** The placement, assemblage, or construction of equipment or control apparatus at the premises where the equipment or control apparatus will be used, including all preparatory work at such premises.
- 4.55 Incinerator:** Any device constructed of nonflammable materials, including containers commonly known as burn barrels, for the purpose of burning therein trash, debris, and other flammable materials for volume reduction or destruction.
- 4.56 Leak Free:** A liquid leak of less than three (3) drops per minute excluding losses which occur upon disconnecting transfer fittings, provided such disconnect losses do not exceed 10 milliliters (0.34 fluid ounces) per disconnect, averaged over three disconnects.
- 4.57 Major Source:** A stationary source which has the potential to emit a regulated air pollutant or HAP in quantities equal to or exceeding the lesser of any of the following thresholds:
- 4.57.1** 100 tons per year (tpy) of any regulated air pollutant;
 - 4.57.2** 50 tpy of volatile organic compounds or oxides of nitrogen for a federal nonattainment area classified as serious, 25 tpy for an area classified as severe, or, 10 tpy for an area classified as extreme;
 - 4.57.3** 70 tpy of PM₁₀ (particulate matter of 10 microns or less) for a federal PM₁₀ nonattainment area classified as serious;
 - 4.57.4** 10 tpy of one HAP or 25 tpy of two or more HAPs;
 - 4.57.5** Any lesser quantity threshold promulgated by EPA; or,
 - 4.57.6** 100 tpy of total GHGs emissions and 100,000 tpy of Carbon Dioxide equivalent (CO₂e) emissions.
- 4.58 Modification:** Any physical change or operational change to an existing emissions unit, including changing hours of operation or production rate, which would necessitate a change in permit conditions. A modification to a stationary source shall include any modification of its permitted emissions

units or addition of any new emissions units. A modification also occurs when there is an increase of emissions from an emissions unit which is not subject to a daily emissions limitation. Unless previously limited by a federally enforceable permit condition, the following shall not be considered a modification:

- 4.58.1** Routine maintenance or repair.
- 4.58.2** A change in ownership.
- 4.58.3** Replacement of an existing emissions unit, part of an emissions unit, or emissions control device with an identical (the same in all respects except for the serial number) piece of equipment resulting in emissions less than or equal to those from the original equipment or device and not requiring a change in permit conditions.
- 4.58.4** An increase in the production rate or hours of operation if such increase does not exceed the operating design capacity or the actual demonstrated capacity of the stationary source as approved by the APCO.
- 4.58.5** Use of an alternate fuel or raw material, provided that such use is expressly authorized by the APCO.

A reconstructed stationary source shall be treated as a new stationary source and not as a modification.

- 4.59 Motor Vehicle:** A vehicle that is self-propelled as defined in Section 415 of the California Vehicle Code.
- 4.60 Multiple-Chamber Incinerator:** Any article, machine, equipment, contrivance, structure or part of a structure, used to dispose of combustible refuse by burning, consisting of three or more refractory lined combustion furnaces in series, physically separated by refractory walls, inter-connected by gas passage ports or ducts employing adequate design parameters necessary for maximum combustion of the materials to be burned.
- 4.61 Multi-Unit Dwelling:** Apartments, condominiums, four-plexes and other types of dwellings consisting of more than two living units.
- 4.62 National Emissions Standards for Hazardous Air Pollutants (NESHAPs):** The emissions standards set by the federal government for a Hazardous Air Pollutant that may cause an increase in fatalities or in serious, irreversible, or incapacitating illness. Each NESHAP is published as an individual Subpart to Title 40 Code of Federal Regulations (CFR) Part 60 or 63.
- 4.63 No-Burn Day:** Any day, or portion thereof, designated by the APCO, CARB, or a local, State or federal Fire Protection Agency having jurisdiction over the burn location, during which no fires may be ignited and no material may be added to an approved existing fire, except as authorized in DISTRICT Rule 300.

- 4.64 Non-Agricultural Burning:** Open burning for the disposal of non-agricultural waste pursuant to DISTRICT Rule 300.
- 4.65 Open Burning:** Combustion of any material of any type, outdoors in the open air, where the products of combustion are not directed through a flue, stack or chimney.
- 4.66 Orchard or Citrus Heaters:** Any article, machine, equipment, or other contrivance that burns any type of fuel or material capable of emitting air contaminants and is used or capable of being used for the purpose of giving protection from frost damage.
- 4.67 Owner or Operator:** Any person who owns, operates, controls, or supervises an affected facility, or a stationary source of which an affected facility is a part.
- 4.68 Particulate Matter (PM):** Any material except uncombined water, which can exist in a finely divided form in the atmosphere as a liquid or solid at standard conditions.
- 4.69 Pathological Waste:** Human or animal tissue intended for disposal.
- 4.70 Person:** Any individual, firm, association, organization, partnership, business trust, corporation, limited liability company, or company; State or local government agency, public district, or any officer or employee thereof; or the United States or its agencies, to the extent authorized by federal law.
- 4.71 Phase I Vapor Recovery System:** A CARB-certified gasoline vapor recovery system which recovers vapors during the transfer of gasoline from delivery vessels into stationary storage tanks.
- 4.72 Phase II Vapor Recovery System:** A CARB-certified gasoline vapor recovery system which recovers vapors during the fueling of motor vehicles from stationary storage tanks.
- 4.73 PM_{2.5} Nonattainment Area:** The portion of Butte County which lies west of the line described as follows: (Mount Diablo Base and Meridian) Beginning at the intersection of the Butte-Yuba county line and the township line common to T18N R6E and T19N R6E, west to the township line common to T18N R6E and T19N R6E, then north along the range line common to R5E and R6E, then west along the township line common to T21N and T20N, then north along the range line common to R4E and R5E, then west along the township line common to T24N and T23N to the Butte-Tehama County boundary.
- 4.74 PM_{2.5}:** Particulate Matter with aerodynamic diameter of less than 2.5 microns. Gaseous emissions which condense to form particulate matter at

ambient temperatures shall be included.

- 4.75 PM10:** Particulate Matter with aerodynamic diameter of less than 10 microns. Gaseous emissions which condense to form particulate matter at ambient temperatures shall be included.
- 4.76 Populated Area:** The urban areas of Chico, Oroville, Paradise, Gridley, Biggs, or any other urban area designated by the APCO.
- 4.77 Portable Emissions Unit:** Any emissions unit that, by itself or in or on a piece of equipment, is portable, meaning designed to be and capable of being carried or moved from one location to another. Indications of portability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, platform or mounting. The period during which the emissions unit is maintained at a storage facility shall be excluded from determining the residency requirements below. An emission unit is not portable if:
- 4.77.1** the emissions unit is attached to a foundation, or remains or will remain at a fixed location for more than twelve (12) consecutive months. (Any emissions unit, such as a backup or standby unit, that replaces an emissions unit at a location and is intended to perform the same function as the unit being replaced will be included in calculating the consecutive time period. In that case, the cumulative time of both emissions units, including the time between the removal of the original unit and installation of the replacement unit, would be counted towards the consecutive time period.); or,
- 4.77.2** the emissions unit remains or will remain at a fixed location for less than twelve (12) consecutive months where such a period represents the length of normal annual source operations at the stationary source that resides at a fixed location for more than twelve (12) consecutive months such as a seasonal source; or,
- 4.77.3** the emissions unit is removed from one location for a period and then returned to the same location in an attempt to circumvent the portable equipment residence time requirement.
- 4.78 Potential to Emit:** The maximum capacity of an emissions unit to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the unit to emit a pollutant, including pollution control equipment and restrictions in 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 incorporated into the applicable permit as a practically enforceable permit condition. The potential to emit shall include emissions emitted directly or as fugitives.
- 4.79 Pressure Tank:** A tank which maintains working pressure sufficient at all times to prevent hydrocarbon vapor or gas loss to the atmosphere.

- 4.80 Process Weight Per Hour:** The total weight, including contained moisture, of all materials introduced into any specific process, which process may cause any discharge into the atmosphere. Solid fuels charged will be considered as part of the process weight, but liquid and gaseous fuels and combustion air will not. (The process weight per hour will be 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).
- 4.81 Prohibited Materials:** Any waste or manufactured material, including but not limited to: petroleum products and petroleum wastes; construction and demolition wastes; tar paper; roofing material; wiring; flooring material; insulation; plywood; coated wire; disposable diapers and putrescible wastes; tires; tar; non-natural wood waste; processed, painted or treated wood products; metals; motor vehicle bodies or parts; rubber; synthetics; plastics, including plastic film, twine and pipe; fiberglass; styrofoam; garbage; trash; refuse; rubbish; swill; ashes; glass; industrial wastes; equipment; appliances; furniture; instruments; utensils; mattresses; shoes; cloth; rags; paper and paper products; cardboard; boxes; crates; excelsior and other packaging materials; offal, including the carcass of any dead animal; human or animal parts or wastes, including blood and fecal matter; food contaminated material; or any other non-vegetative material that when burned may discharge air contaminants that may cause a health risk to any person.
- 4.82 Public Record:** Any record made available to the public by law containing information relating to the conduct of the public's business that is prepared, owned, used or retained by the DISTRICT, except those records that are not subject to disclosure pursuant to applicable law.
- 4.83 Reactive Organic Compound (ROC):** Any volatile compound containing at least one atom of carbon, excluding any Exempt Compound as defined in this Rule (same as Volative Organic Compound in this Rule).
- 4.84 Record:** Handwriting, typewriting, printing, photostating, photographing, and every other means of recording upon any form of communication or representation including letters, words, pictures, sounds, or symbols, or any combination thereof, and all papers, maps, magnetic or paper tapes, photographed films and prints, magnetic or punched cards, drums, and other documents.
- 4.85 Reid Vapor Pressure (RVP):** The absolute vapor pressure of volatile crude oil and volatile non-viscous petroleum liquids, except liquefied petroleum gases, as determined by ASTM-323-58 (American Society for Testing and Materials).
- 4.86 Residence or Residential:** Areas where people reside or lodge, including but not limited to, single or multiple family dwellings, condominiums, mobile or

manufactured homes, apartment complexes, motels and hotels.

- 4.87 Residential Burning:** Open burning for the disposal of vegetative waste from the property of a single- or two-family dwelling located on lots of less than one acre.
- 4.88 Rice Equivalent Acre:** The quantity of particulate matter generated from the open burning of one (1) acre of rice straw after harvest standardized as 6.3 pounds of PM10 per ton of rice straw burned at a fuel load of three (3) tons per acre (18.9 pounds PM10 per acre).
- 4.89 Rubbish:** Useless waste or rejected matter; usually combustible and noncombustible solid wastes of commercial and industrial establishments, institutions, etc.; garbage.
- 4.90 Sacramento Valley Air Basin:** The geographical area which includes the following counties: Butte, Colusa, Glenn, Placer, Sacramento, Shasta, Tehama, Yolo, Solano, Yuba and Sutter.
- 4.91 School:** Any public or private establishment used for the purpose of educating more than twelve (12) children in kindergarten or any of the grades 1 through 12, inclusive, but does not include any private establishment in which education is primarily conducted in private homes.
- 4.92 Shutdown:** Ceasing of operation of a stationary source for any purpose.
- 4.93 Single- and Two-Family Dwellings:** Residential structures including duplexes, mobile homes, and such dwellings that are collectively designed or planned to house not more than two families.
- 4.94 Source Test Method or CARB Source Test Method:** A procedure for performing source testing as set forth in Title 17 CCR Section 91200 *et seq.*
- 4.95 Standard Conditions:** A gas temperature of 20 °C (68°F) and a gas pressure of 760 mm Hg (14.7 pounds per square inch) absolute.
- 4.96 Standard Cubic Meter of Gas (Standard Cubic Foot of Gas):** The amount of gas, free of combined water, that would occupy the specified cubic measurement at standard conditions.
- 4.97 Standard Industrial Classification (SIC) Code:** The SIC Code that classifies establishments by the type of business activity in which they are engaged as defined by the SIC Manual, 1987, published by the Executive Officer of the President, Office of Management and Budget, 1987, which is incorporated by reference herein.
- 4.98 Start-up:** Commencing operation of a stationary source for any purpose.

- 4.99 Stationary Source:** Any building, structure, or emissions unit which emits or may emit any affected pollutant directly or as a fugitive emission, which:
- 4.99.1** is located on one or more contiguous or adjacent properties, and which may be separated by a public right-of-way; and.
 - 4.99.2** is under the same or common ownership, operation, or control, or which is owned or operated by entities which are under common control and belong to the same industrial grouping, either by virtue of falling within the same two-digit SIC Code or by virtue of being part of a common industrial process, manufacturing process, or connected process involving a common raw material.
- 4.100 Total Reduced Sulfur (TRS):** Total reduced sulfur contained in hydrogen sulfide, mercaptans, dimethyl sulfide, dimethyl disulfide or other organic sulfide compounds, all expressed as hydrogen sulfide. Sulfur dioxide, sulfur trioxide, or sulfuric acid mist are not to be included in the determination of TRS.
- 4.101 Toxic Air Contaminants:** All substances identified as toxic air contaminants pursuant to Title 17 CCR, Sections 93000 and 93001.
- 4.102 Underground Storage Tank (UST):** Any one or combination of tanks and the volume of any connected piping that has at least 10% of the underground tank system volume below the ground surface or enclosed below earthen materials.
- 4.103 Upset or Breakdown Condition:** An unforeseeable failure or malfunction of either: 1) any air pollution control equipment or related operating equipment which causes a violation of any emission limitation or restriction prescribed by these Rules and Regulations, or by State Law; or 2) any in-stack continuous monitoring equipment, which:
- 4.103.1** Is not the result of neglect or disregard of any air pollution control law or rule or regulation;
 - 4.103.2** Is not intentional or the result of negligence;
 - 4.103.3** Is not the result of improper maintenance;
 - 4.103.4** Does not constitute a nuisance; and
 - 4.103.5** Is not a recurrent breakdown of the same equipment.
- 4.104 Vapor Extraction System or Soil Vapor Extraction (SVE):** An underground or aboveground system that draws out or removes contaminants from soil or ground water using air injection and/or vacuum suction to route the vapors to an emission control device or directly to the atmosphere. This definition does not include equipment designed or used to expose soil openly to the atmosphere to facilitate evaporation of volatile organic compounds.
- 4.105 Vapor Tight:** The detection of less than 10,000 ppmv, as methane, using an appropriate hydrocarbon analyzer when sampling is performed according to the procedures specified in EPA Method 21 or no visible evidence of air

entrainment in the sight glasses of liquid delivery hoses.

- 4.106 Variance:** Temporary exemption from DISTRICT Rules and Regulations or State law granted to sources following ruling by the DISTRICT Hearing Board.
- 4.107 Volatile Organic Compounds (VOCs):** Any organic chemical compound containing at least one atom of carbon having a high enough vapor pressure under normal conditions to significantly vaporize into the earth's atmosphere, excluding any Exempt Compound as defined in this Rule.
- 4.108 Volatile Organic Compound Vapor Analyzer:** A hydrocarbon vapor instrument detector, which satisfies the specification requirements of EPA Method 21, 40 CFR Part 60. Analyzer types that may meet this requirement include, but are not limited to, catalytic oxidation, flame ionization, infrared absorption, and photoionization.
- 5 SEVERABILITY:** If any regulation, rule, section, subsection, sentence, clause, phrase, or portion of these Rules and Regulations is, for any reason, held invalid, unconstitutional, or unenforceable by any court of competent jurisdiction, such portion shall be deemed as a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions of the Rules and Regulations of the Butte County Air Quality Management District.
- 6 REFERENCES:** The authority for this Rule arises from the provisions of California Health and Safety Code Section 40001 and 40702.