

~~Article 2 of the Health and Safety Code.~~

RULE 1.5 Validity. If any regulation, rule, subdivision, sentence, clause, or phrase of these Rules and Regulations is for any reason held to be unconstitutional or invalid, such decision shall not affect the validity of the remaining portions of these Rules and Regulations. The Air Pollution Control Board hereby declares that it would have adopted these Rules and Regulations and every regulation, rule, subdivision, sentence, clause, and phrase thereof irrespective of the fact that any one or more regulations, rules, subdivisions, sentences, clauses, or phrases be declared unconstitutional or invalid.

~~RULE 1.6 Effective Date. These Rules and Regulations shall take effect on _____.~~

REGULATION IV - PROHIBITING

RULE 4.1 Prohibitions Under State Law. The provisions of Article 3, Chapter 2, Division 20 of the State of California Health and Safety Code, entitled Prohibitions, are applicable within the boundaries of the Calaveras County Air Pollution Control District.

~~RULE 4.2 Analyses Required. The Control Officer at any time may require from any person subject to regulations of the Board, such information or analyses as will disclose the nature, extent, quantity or degree of air contaminants which are or may be discharged by such source, and may require that such disclosures be certified by a professional engineer registered in the State. Such studies shall be at the expense of the person causing the emission or planning such emission.~~

RULE 4.3 Ringlemann Chart. A person shall not discharge into the atmosphere from any single source of emission whatsoever, any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is:

- a. As dark or darker in shade at that designated as No. 2 on the Ringlemann Chart, as published by the United States Bureau of Mines, or
- b. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in sub-section (a) of this Rule.

CALAVERAS COUNTY AIR POLLUTION CONTROL DISTRICT

RULE 101 Title.

These rules and regulations shall be known as the Rules and Regulations of Calaveras County Air Pollution Control District.

~~Chapter 2, of the Health and Safety Code of the State of California or of these rules and regulations. This rule shall not apply to cases in which the only violation involved is of Section 24243 of the Health and Safety Code of the State of California or of Rule 418 of these rules and regulations. Violation of Rule 111 is a misdemeanor pursuant to the provisions of Section 24281 of the Health and Safety Code of the State of California.~~

REGULATION II - PERMITS

RULE 201 Permits Required

- a. Authority to Construct Any person building, altering, or replacing any equipment, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, shall first obtain authorization for such construction from the Air Pollution Control Officer. An authority to construct shall remain in effect until the permit to operate the equipment for which the application was filed is granted or denied.

- b. Permit to Operate Before any equipment described in Rule 201 (a) may be operated, a written permit shall be obtained from the Air Pollution Control Officer. No permit to operate shall be granted either by the Air Pollution Control Officer or the Hearing Board for any equipment described in Rule 201 (a), constructed or installed without authorization as required by Rule 201 (a), until the information required is presented to the Air Pollution Control Officer and such equip-

ment is altered, if necessary, and made to conform to the standards set forth in Rule 208 (Standards for Granting Application) and elsewhere in these rules and regulations.

- c. Posting of Permit to Operate A person who has been granted under Rule 201 (b) a permit to operate any equipment described in Rule 201 (b), shall firmly affix such permit to operate, an approved facsimile, or other approved identification bearing the permit number upon the article, machine, equipment, or other contrivance in such a manner as to be clearly visible and accessible. In the event that the equipment is so constructed or operated that the permit to operate cannot be so placed, the permit to operate shall be mounted so as to be clearly visible in an accessible place within 25 feet of the equipment or maintained readily available at all times on the operating premises.
- d. Altering of Permit A person shall not wilfully deface, alter, forge, counterfeit, or falsify a permit to operate any equipment.
- e. Permit to Sell or Rent Before any of the herebefore described equipment is sold, leased, or rented, such that it is operated by anyone other than the holder of the permit, the owner or operator is required to obtain a permit to sell or rent.

RULE 202 Exemptions

Any authority to construct or a permit to operate shall not be required for:

- a. *Vehicles as defined by the Vehicle Code of the State of California but not including any article, machine, equipment or other contrivance mounted on such vehicle that would otherwise require a permit under the provisions of these rules and regulations.*
- b. *Vehicles used to transport passengers or freight.*
- c. *Equipment utilized exclusively in connection with any structure, which structure is designed for and used exclusively as a dwelling for not more than four families.*
- d. *The following equipment:*
 1. *Comfort air conditioning or comfort ventilating systems, which are not designed to remove air contaminants generated by or released from specific units or equipment.*
 2. *Refrigeration units except those used as, or in conjunction with, air pollution control equipment.*
 3. *Piston type internal combustion engines.*
 4. *Water cooling towers and water cooling ponds not used for evaporative cooling of water from barometric jets or from barometric condensers.*
 5. *Equipment used exclusively for steam cleaning.*
 6. *Presses used exclusively for extruding metals, minerals, plastics or wood.*
 7. *Equipment used exclusively for space heating, other than boilers.*

8. *Equipment used for hydraulic or hydrostatic testing.*
 9. *Equipment used in eating establishments for the purpose of preparing food for human consumption.*
 10. *Equipment used exclusively to compress or hold dry natural gas.*
- e. *The following equipment or any exhaust system or collector serving exclusively such equipment:*
1. *Laboratory equipment used exclusively for chemical or physical analyses and bench scale laboratory equipment.*
 2. *Brazing, soldering or welding equipment.*
- f. *Steam generators, steam superheaters, water boilers, water heaters and closed heat transfer systems that have a maximum heat input rate of less than 250,000,000 British Thermal Units (BTU) per hour (gross), and are fired exclusively with one of the following:*
1. *Natural gas*
 2. *Liquefied petroleum gas*
 3. *A combination of natural gas and liquefied petroleum gas*
- g. *Natural draft hoods, natural draft stacks or natural draft ventilators.*
- h. *Self-propelled mobile construction equipment other than pavement burners.*

- i. Other sources of minor significance which may be specified by the Air Pollution Control Officer.
- j. Agricultural implements used in agricultural operations.
- k. Vacuum cleaning systems used exclusively for industrial, commercial or residential housekeeping purposes.
- l. Repairs or maintenance not involving structural changes to any equipment for which a permit has been granted.
- m. Identical replacements in whole or in part of any equipment where a permit to operate has previously been granted for such equipment.

RULE 203 Transfer A permit shall not be transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another.

~~RULE 204 Applications Every application for a permit required under Rule 201 shall be filed in the manner and form prescribed by the Air Pollution Control Officer, and shall give all the information necessary to enable the Air Pollution Control Officer to make the determination required by Rule 208 thereof.~~

RULE 205 Cancellation of Construction Permit A permit shall be cancelled two years from the date of filing of the application.

~~RULE 206 Action on Applications The Air Pollution Control Officer shall act, within a reasonable time, on a permit application and shall notify the applicant in writing of his approval, conditional approval or denial.~~

~~RULE 207 Provision of Sampling and Testing Facilities A person operating or using any equipment for which these rules require a permit shall provide and maintain such sampling and testing facilities as specified in the permit.~~

RULE 208 Standards for Granting Applications

- a. The Air Pollution Control Officer shall deny a permit except as provided in Rule 209, if the applicant does not show that the use of any equipment, which may cause the issuance of air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants, is so designed, controlled, or equipped with such air pollution control equipment, that it may be expected to operate without emitting or without causing to be emitted air contaminants in violations of Section 24242 or 24243, of the Health and Safety Code, or of these rules and regulations.
- b. Before a permit is granted, the Air Pollution Control Officer may require the applicant to provide and maintain such facilities as are necessary for sampling and testing purposes in order to secure information that will disclose the nature, extent, quantity or degree of air contaminants discharged into the atmosphere from the equipment described in the permit. In the event of such a requirement, the Air Pollution Control Officer shall notify the applicant in writing of the required size, number and location of sampling holes; the size and location of the sampling platform; the access to the sampling platform; and the utilities for operating the sampling and

testing equipment. The platform and access shall be constructed in accordance with the general industry safety orders of the State of California.

- c. In acting upon a permit to operate, if the Air Pollution Control Officer finds that the equipment has been constructed not in accordance with the authority to construct, he shall deny the permit to operate. The Air Pollution Control Officer shall not accept any further application for permit to operate the equipment so constructed until he finds that the equipment has been constructed in accordance with the permit to construct.

RULE 209 Conditional Approval The Air Pollution Control Officer may issue a permit subject to conditions which will bring the operation of any equipment within the standards of Rule 208, in which case the conditions shall be specified in writing. Commencing work under a permit to construct, operation under a permit to operate, renting or selling under a permit to rent or sell, shall be deemed acceptance of all the conditions so specified. The Air Pollution Control Officer shall issue a permit with revised conditions upon receipt of a new application, if the applicant demonstrates that the equipment can operate within the standards of Rule 208 under the revised conditions

~~RULE 210 Denial of Applications In the event of denial of a permit, the Air Pollution Control Officer shall notify the applicant in writing of the reasons therefore. Service of this notification may be made in person or by mail, and such service may be proved by the written acknowledgement of the persons served or affidavit of the person making the service. The Air Pollution Control Officer shall not accept a further application unless the applicant has complied~~

~~with the objections specified by the Air Pollution Control Officer as his reasons for denial of the permit.~~

✓ ~~RULE 211 Further Information Before acting on an application for a permit the Air Pollution Control Officer may require the applicant to furnish information or further plans or specifications.~~

~~RULE 212 Application Deemed Denied The applicant may at his option deem the permit denied if the Air Pollution Control Officer fails to act on the application within 30 days after filing, or within 30 days after applicant furnishes the further information, plans and specifications requested by the Air Pollution Control Officer, whichever is later.~~

~~RULE 213 Appeals Within 10 days after notice, by the Air Pollution Control Officer of denial of a permit, the applicant may petition the Hearing Board, in writing, for a public hearing. The Hearing Board, after notice and a public hearing held within 30 days after filing the petition, may sustain or reverse the action of the Air Pollution Control Officer; such orders may be made subject to specified conditions.~~

REGULATION III - FEES

RULE 301 Permit Fee Fees for the construction of equipment required to make emissions, that were in existence on April 24, 1972, comply with these rules are waived until January 1, 1974.

- a. Filing Fee Every applicant, except any state or local governmental agency or public district, for an authority to construct

or a permit to operate equipment for which a permit is required by (the State Law or) the rules and regulations of the Air Pollution Control District, shall pay a filing fee of \$20. Where an application is filed for a permit to operate any article, machine, equipment or other contrivance by reason of transfer from one person to another, and where a permit to operate had previously been granted under Rule 201 and no alteration, addition, or transfer of location has been made, the applicant shall pay only a \$10 filing fee.

- b. Permit Fee Every applicant, except any state or local governmental agency or public district, for a permit to operate, who files application with the Air Pollution Control Officer, shall in addition to the filing fee prescribed herein, pay the fee for the issuance of a permit to operate in the amount prescribed in the following schedules, provided, however, that the filing fee shall be applied to the fee prescribed for the issuance of the permit to operate.
- c. Cancellation or Denial If an application for an authority to construct or a permit to operate is cancelled, or if an authority to construct or a permit to operate is denied and such denial becomes final, the filing fee required herein shall not be refunded nor applied to any subsequent application.
- d. Transfer of Location or Owner Where an application is filed for a permit to operate any equipment by reason of transfer of location or transfer from one person to another, or both, and where a permit to operate had previously been granted for

such equipment under Rule 201 and an alteration or addition has been made, the applicant shall be assessed a fee based upon the increase in total horsepower rating, the increase in total fuel consumption expressed in thousands of British Thermal Units (BTU) per hour, the increase in total electrical energy rating, the increase in maximum horizontal inside cross sectional area or the increase in total stationary container capacity resulting from such alterations or additions, as described in the fee schedules contained herein. Where the application is for transfer of location, and no alteration or addition has been made, the applicant shall pay only the amount of the filing fee required herein.

- e. Alteration of Equipment Where an application is filed for an authority to construct or a permit to operate exclusively involving revisions to the conditions of an existing permit to operate or involving alterations or additions resulting in a change to any existing equipment holding a permit under the provisions of Rule 201 of these rules and regulations, the applicant shall be assessed a fee based upon the increase in total horsepower rating, the increase in total fuel consumption expressed in thousands of British Thermal Units (BTU) per hour, the increase in total electrical energy rating, the increase in maximum horizontal inside cross sectional area or the increase in total stationary container capacity resulting from such alterations or additions, as described in the fee schedules contained herein. Where there is no change or is a

decrease in such rating, the applicant shall pay only the amount of the filing fee required herein.

- f. Permit Fee Penalty After the provisions for granting permits as set forth in Chapter 2, Division 20, of the Health and Safety Code and these Rules and Regulations have been complied with, the applicant shall be notified by the Air Pollution Control Officer, in writing, of the fee to be paid for issuance of the permit to operate. Such notice may be given by personal service or by deposit, postpaid, in the United States Mail and shall serve as a temporary permit to operate for 30 days from the date of personal service or mailing. Nonpayment of the fee within this period of time shall result in the automatic cancellation of the application.
- g. Permit Granted by Hearing Board In the event that a permit to operate is granted by the Hearing Board after denial by the Air Pollution Control Officer or after the applicant deems his application denied, the applicant shall pay the fee prescribed in the following schedules within 30 days after the date of the decision of the Hearing Board. Nonpayment of the fee within this period of time shall result in automatic cancellation of the permit and the application.
- h. Annual Renewal Fee Annually on the anniversary of the issuance of a permit to operate granted under Rule 201, the permittee shall pay a renewal fee amounting to one-fourth of the initial permit fee under current fee schedules. The holder of permits with more than one anniversary date may adjust annual renewal

payments to a single anniversary date by prorating renewal fees(s) as necessary. If the renewal fee is not paid within 30 days after it becomes due, the fee shall be increased by one-half the amount thereof, and the Air Pollution Control Officer shall thereupon promptly notify the permittee by mail of the increased fee. If the increased fee is not paid within 30 days after such notice, the permit shall be automatically revoked and the Air Pollution Control Officer shall so notify the permittee by mail.

- i. Multiple Locations When permits have been issued to operate movable equipment at two or more locations, only one annual renewal fee will be charged. The anniversary date on which the annual renewal fee will be due will be that noted on the original permit.
- j. Duplicate Permit A request for a duplicate permit to operate shall be made in writing to the Air Pollution Control Officer within 10 days after the destruction, loss or defacement of a permit to operate. A fee of \$2 shall be charged, except to any state or local governmental agency or public district, for issuing a duplicate permit to operate.

~~RULE 302 Permit Fee Schedules It is hereby determined that the cost of issuing permits, and of inspections pertaining to such issuance exceeds the fees prescribed herein. In determining the fees to be charged, the applicable equipment within each process that requires a permit will be totalled for each schedule. In the event that more than one fee schedule is applicable to a permit to operate, the governing schedule shall be that which results in the higher fee.~~

- ~~a. Every applicant or petitioner for a variance, or for the extension, revocation or modification of a variance, or for an appeal from a denial or conditional approval of an authority to construct, permit to operate or permit to sell or rent, except any state or local governmental agency or public district, shall pay the clerk of the Hearing Board, on filing, a fee in the sum of \$25. It is hereby determined that the cost of administration of Article 5, Chapter 2, Division 20, of the Health and Safety Code exceeds \$25 per petition.~~
- ~~b. Any person requesting a transcript of the hearing shall pay the cost of such transcript.~~
- ~~c. This Rule shall not apply to petitions filed by the Air Pollution Control Officer.~~

REGULATION IV - PROHIBITIONS

~~RULE 401 Visible Emissions A person shall not discharge into the atmosphere from any single source of emission whatsoever, any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is:~~

- ~~a. As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines.~~
- ~~b. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subsection (a) of this Rule.~~

RULE 407 Specific Contaminants A person shall not discharge into the atmosphere from any single source of emission whatsoever, any one or more of the contaminants, in any state or combination thereof, exceeding in concentration at the point of discharge:

- a. Sulfur compounds calculated as sulfur dioxide (SO_2) 0.2 percent, by volume.
- b. Combustion Contaminants 0.1 grain per cubic feet of gas calculated to 12 percent of carbon dioxide (CO_2) at standard conditions. In measuring the combustion contaminants from incinerators used to dispose of combustible refuse by burning, the carbon dioxide (CO_2) produced by combustion of any liquid or gaseous fuels shall be excluded from the calculation to 12 percent of carbon dioxide (CO_2).

RULE 408 Fuel Burning Equipment A person shall not build, erect, install or expand any nonmobile fuel burning equipment unit unless the discharge into the atmosphere of contaminants will not and does not exceed any one or more of the following rates:

- a. 200 pounds per hour of sulfur compounds, calculated as sulfur dioxide (SO_2);
- b. 140 pounds per hour of nitrogen oxides, calculated as nitrogen dioxide (NO_2);
- c. 10 pounds per hour of combustion contaminants as defined in Rule 102 (h) and derived from the fuel.

For the purpose of this Rule, "Fuel Burning Equipment" means any furnace, boiler, apparatus, stack, and all appurtenances thereto, used in the process of burning fuel for the primary purpose of producing heat or power by indirect heat transfer. A fuel burning unit shall be comprised of the minimum number of fuel burning equipment, the simultaneous operations of which are required for the production of useful heat or power.

Fuel burning equipment serving primarily as air pollution control equipment by using a combustion process to destroy air contaminants shall be exempt from the provisions of this Rule.

Nothing in this Rule shall be constructed as preventing the maintenance or preventing the alteration or modification of an existing fuel burning equipment unit which will reduce its mass rate of air contaminant emissions.

~~RULE 400 Organic Solvents~~

~~a. A person shall not discharge more than 15 pounds of organic materials into the atmosphere in any one day from any article, machine, equipment or other contrivance in which any organic solvent comes into contact with flame or is baked, heat-cured or heat-polymerized, in the presence of oxygen, unless all organic materials discharged from such article, machine, equipment or other contrivance have been reduced either by at least 85 percent overall or to not more than 15 pounds in any one day.~~

~~b. A person shall not discharge more than 40 pounds of organic material into the atmosphere in any one day from any article,~~

✓ *RULE 412 Organic Liquid Loading A person shall not load organic liquids having a vapor pressure of 1.5 pounds per square inch absolute or greater under actual loading conditions into any tank truck, trailer, or railroad tank car from any loading facility unless the loading facility is equipped with a vapor collection and disposal system or its equivalent approved by the Air Pollution Control Officer.*

Loading shall be accomplished in such a manner that all displaced vapor and air will be vented only to the vapor collection system. Measures shall be taken to prevent liquid drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.

The vapor disposal portion of the vapor collection and disposal system shall consist of one of the following:

- a. An absorber system or condensation system which processes all vapors and recovers at least 90 percent by weight of the organic vapors and gases from the equipment being controlled.*
- b. A vapor handling system which directs all vapors to a fuel gas system.*
- c. Other equipment of an efficiency equal to or greater than (a) or (b) if approved by the Air Pollution Control Officer.*

This Rule shall apply only to the loading of organic liquids having a vapor pressure of 1.5 pounds per square inch absolute or greater under actual loading conditions at a facility from which at least 20,000 gallons of such organic liquids are loaded in any one day.

"Loading Facility", for the purpose of this Rule, shall mean any aggregation or combination of organic liquid loading equipment which is both (1) possessed by one person, and (2) located so that all the organic liquid loading outlets for such aggregation or combination of loading equipment can be encompassed within any circle of 300 feet in diameter.

✓ RULE 413 Effluent Oil Water Separators A person shall not use any compartment of any vessel or device operated for the recovery of oil from effluent water which recovers 200 gallons a day or more of any petroleum products from any equipment which processes, refines, stores, or handles hydrocarbons with a Reid vapor pressure of 0.5 pounds or greater, unless such compartment is equipped with one of the following vapor loss control devices, except when gauging or sampling is taking place:

- a. A solid cover with all openings sealed and totally enclosing the liquid contents of that compartment.
- b. A floating pontoon or double-deck type cover, equipped with closure seals, to enclose any space between the cover's edge and compartment wall.
- c. A vapor recovery system which reduces the emission of all hydrocarbon vapors and gases into the atmosphere by at least 90 percent by weight.
- d. Other equipment of an efficiency equal to or greater than (a), (b), or (c), if approved by the Air Pollution Control Officer.

This Rule shall not apply to any oil-effluent water separator used exclusively in conjunction with the production of crude oil, if the water fraction of the oil-water effluent entering the separator contains less than 5

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parts per million hydrogen sulfide, organic sulfides, or a combination thereof.

~~RULE 414 Reduction of Animal Matter A person shall not operate or use any article, machine, equipment or other contrivance for the reduction of animal matter unless all gases, vapors and gas-entrained effluents from such an article, machine, equipment or other contrivance are:~~

- ~~a. Incinerated at temperatures of not less than 1200 degrees Fahrenheit for a period of not less than 0.3 seconds, or~~
- ~~b. Processed in such a manner determined by the Air Pollution Control Officer to be equally, or more, effective for the purpose of air pollution control than (a) above.~~

~~A person incinerating or processing gases, vapors, or gas-entrained effluents pursuant to this Rule shall provide, properly install and maintain in calibration, in good working order and in operation devices, as specified in the Authority to Construct or Permit to Operate or as specified by the Air Pollution Control Officer, for indicating temperature, pressure or other operating conditions.~~

~~For the purpose of this Rule, "reduction" is defined as any heated process, including rendering, cooking, drying, dehydration, digesting, evaporating and protein concentrating.~~

~~The provisions of this Rule shall not apply to any article, machine, equipment or other contrivance used exclusively for the processing of food for human consumption.~~

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JLE 102 Definitions. Except as otherwise specifically provided in these Rules, and except where the context otherwise indicates, words used in these Rules are used in exactly the same sense as the same words are used in the Health and Safety Code of the State of California.

- A. Air Pollution Control Officer. The Air Pollution Control Officer of the Air Pollution Control District of Calaveras County.
- B. Agricultural Burning. (a) Any open outdoor fire used in agricultural operations necessary for the growing of crops or raising of fowl or animals, or in forest management or range improvement; or used in the improvement of land for wildlife and game habitat, or disease or pest prevention. (b) Any open outdoor fire used in the operation or maintenance of a system for the delivery of water for the purposes specified in subdivision (a) of this definition. Rule 302 D shall not apply to such burning.
- C. Agricultural Operation. The growing and harvesting of crops, or raising of fowl or animals for the primary purpose of making a profit, or providing a livelihood, or the conduction of agricultural research or instruction by an educational institution.
- D. Agricultural Wastes. Are (a) unwanted or unsellable materials produced wholly from agricultural operations and (b) materials not produced from agricultural operations, but which are intimately related to the growing or harvesting of crops and which are used in the field, such as fertilizer and pesticide sacks or containers where the sacks or containers are emptied in the field. This does not include, however, such items as shop wastes, demolition materials, garbage, oil filters, tires, pallets, and the like.
- E. Air Contaminant or Pollutant. Any discharge, release, or other propagation into the atmosphere directly, or indirectly, caused by man and includes, but is not limited to, smoke, dust, charred paper, soot, grime, carbon, noxious acids, fumes, gases, odors, or particulate matter, or any combination thereof.

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- F. Alteration. Any addition to, enlargement of, replacement of, or any major modification or change of the design, capacity, process, or arrangement, or any increase in the connected loading of equipment or control apparatus, which will significantly increase or effect the kind or amount of air contaminants emitted.
- G. Approved Ignition Devices. Means those instruments or materials that will ignite open fires without the production of black smoke by the ignition device. This would include such items as liquid petroleum gas (L.P.G.), butane, propane, or diesel oil burners, flares, or other similar material as approved by the Air Pollution Control Officer. This does not include tires, tar, tar paper, oil and other similar materials.
- H. A.R.B. The California State Air Resources Board, or any person authorized to act on its behalf.
- I. Atmosphere. The air that envelops or surrounds the earth. Where air pollutants are emitted into a building not designed specifically as a piece of air pollution control equipment, such emissions into the building shall be considered to be an emission into the atmosphere.
- J. Board. The Calaveras County Air Pollution Control Board.
- K. Brush Treated. The material has been felled, crushed or up-rooted with mechanical equipment, or has been desiccated with herbicides.
- L. Combustible or Flammable Waste. Means any garbage, rubbish, trash, rags, paper, boxes, crates, excelsior, ashes, offal, carcass of a dead animal, petroleum product waste or any other combustible or flammable refuse material.
- M. 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.
- N. Condensed Fumes. Particulate matter generated by the condensation of vapors evolved after volatilization from the molten liquid state, or generated by sublimation, distillation, calcination or chemical reaction, when these processes create airborne particles.
- O. Designated Agency. Any agency designated by the A.R.B. and Calaveras County Air Pollution Control District as having authority to issue Agricultural Burn Permits.
- P. District. Is the Air Pollution Control District of Calaveras County.

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- Q. Dust. 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.
- R. Emission. The act of releasing or discharging air contaminants into the ambient air from any source.
- S. Emission Data. Are measured or calculated concentrations or weights of air contaminants emitted into the ambient air. Production data used to calculate emission data are not emission data.
- T. Emission Point. The place, located in a horizontal plane and vertical elevation, at which an emission enters the atmosphere.
- U. Flue. Any duct or passage for air, gases or the like, such as a stack or chimney.
- V. Forest Management Burning. Means the use of open fires, as part of a forest management practice, to remove forest debris. Forest Management practices include timber operations, silvicultural practices or forest protection practices.
- W. Fossil Fuel-fired Steam Generator. Means a furnace or boiler used in the process of burning fossil fuel for the primary purpose of producing steam by heat transfer. "Fossil fuel" means natural gas, petroleum, coal and any form of solid, liquid, or gaseous fuel derived from such materials.
- X. Hearing Board. The appellate review board of any county or regional air pollution control district as provided for in the Health and Safety Code of the State of California.
- Y. 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.
- Z. Incinerator. Means any furnace or other closed fire chamber used to dispose of combustible waste by burning and from which the products of combustion are directed through a flue or chimney.
- AA. 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.
- BB. Institutional Facility. Means any hospital, boarding home, school or like facility.

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- CC. 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 material to be burned.
- DD. No-Burn Day. Means any day on which agricultural burning is prohibited by the A.R.B.
- EE. Open Out-Door Fire. As used in this regulation means: Combustion of any combustible material of any type, out-doors in the open air, where the product of combustion is not directed through a flue.
- FF. Operation. Any physical action resulting in a change in the location, form or physical properties of a material, or any chemical action resulting in a change in the chemical composition or the chemical properties of a material.
- GG. Orchard or Citrus Heaters. Any article, machine, equipment, or other contrivance, burning any type of fuel or material capable of emitting air contaminants, used or capable of being used for the purpose of giving protection from frost damage.
- HH. Owner or Operator. Means any person who owns, operates, controls or supervises an affected facility, or a stationary source of which an affected facility is a part.
- II. Particulate Matter. Is any material except uncombined water, which can exist in a finely divided form as a liquid or solid at standard conditions.
- JJ. Permissive Burn Day. Means any day on which agricultural burning is not prohibited by the A.R.B.
- KK. Person. Any person, firm, association, organization, partnership, business trust, corporation, company, contractor, supplier, installer, operator, user or owner, any government agency or public district or any officer or employee thereof.
- LL. ppm. Parts per million by volume expressed on a dried gas basis.
- MM. 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.)

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- NN. Public Record. Means 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 "trade secrets" as defined in RULE 409 C, Regulation IV.
- OO. Range Improvement Burning. Means the use of open fires to remove vegetation for a wildlife, game or livestock habitat or for the initial establishment of an agricultural practice on previously uncultivated land.
- PP. Record. Means 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, photographic films and prints, magnetic or punched cards, drums, and other documents.
- QQ. Residential Rubbish. Rubbish originating from a single or two family dwelling on its premises, limited to the following material: wood, paper, cloth, cardboard, tree trimmings, leaves, lawn clippings and dry plants.
- RR. Source Operation. The last operation preceding the emission of an air contaminant, which operation (a) results in the separation of the air contaminants from the process materials or in the conversion of the process materials into air contaminants, as in the case of combustion of fuel, and (b) is not an air pollution abatement operation.
- SS. Section. As used in these Rules and Regulations, unless some other code is specifically mentioned, all section references are to the Health and Safety Code as such code reads on January 1, 1976.
- TT. Silvicultural Practices. Means the establishment, development, care and reproduction of stands of timber.
- UU. Solid Waste Dump. Means any accumulation for the purpose of disposal of any solid waste.
- VV. Standard Conditions. As used in these regulations, "Standard Conditions" are a gas temperature of 60 degrees Fahrenheit and a gas pressure of 14.7 pounds per square inch absolute. Results of all analyses and tests shall be calculated and reported at this gas temperature and pressure.
- WW. Standard Cubic Foot of Gas. The amount of gas that would occupy a volume of one (1) cubic foot, if free of water vapor, at standard conditions.

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- XX. Timber Operations. Means cutting or removal of timber or other forest vegetation.
- YY. 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 are not to be included in the determination of TRS.

CALAVERAS COUNTY AIR POLLUTION CONTROL DISTRICT

Rule 201 District Wide Coverage.

Prohibitions as set forth in this Regulation, shall apply in all portions of the Calaveras County Air Pollution Control District unless otherwise stated.

Rule 202 Visible Emissions.

A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:

- A. As dark or darker in shade as that designated as No. 1 on the Ringlemann Chart, as published by the United States Bureau of Mines, or
- B. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subsection (A) of this section.

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RULE 203 Exceptions. The provisions of RULE 202 do not apply to:

- A. Smoke from fires set or permitted by any public fire officer, if such fire is set by or permission given in the performance of the official duty of such officer, and such fire in the opinion of such officer is necessary:
 - 1. for the purpose of the prevention of a fire hazard, (or health hazard as determined by the Health Officer), which cannot be abated by any other means, or
 - 2. the instruction of public employees and/or volunteer firemen in the methods of fighting fires.
- B. Smoke from fires set pursuant to permit on property used for industrial purposes for the purpose of instruction of employees in methods of fighting fires.
- C. Open outdoor fires used for recreational purposes or for cooking of food for human consumption.

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- D. *The use of an experimental device, system or method to study or research open burning authorized by Chapter 10 of Division 26 of the California Health and Safety Code and these Rules and Regulations.*

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- E. Agricultural operations necessary for the growing of crops, or raising of fowl or animals.
- F. Use of any aircraft to distribute seed, fertilizer, insecticides, or other agriculture aids over lands devoted to the growing of crops, or the raising of fowl or animals.

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- G. *The use of other equipment in agriculture operation in the growing of crops, or the raising of fowl or animals.*

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- H. Orchard or citrus grove heaters that are on the approved list published by the State Air Resources Board.
- I. The governing board of the district may by rule provide for the issuance by the Air Pollution Control Officer of permits for open burning. The provisions of RULE 202 do not apply to smoke from fires set pursuant to such permit.

~~G. The use of other equipment in agriculture operation in the growing of crops, or the raising of fowl or animals.~~

~~II. Orchard or citrus grove heaters that are on the approved list published by the State Air Resources Board. (Section 39298.7)~~

~~I. The governing board of the District may be rule provide for the issuance by the Air Pollution Control Officer of permits for open burning. The provisions of RULE 202 do not apply to smoke from fires set pursuant to such permit. (Health and Safety Code Section 24245.1)~~

~~J. Smoke or fumes which result from acts of God.~~

RULE 204 Wet Plumes Where the presence of uncombined water is the only reason for the failure of an emission to meet the limitation of RULE 202, that rule shall not apply. The burden of proof which establishes the application of this rule shall be upon the person seeking to come within its provisions.

~~**RULE 205** Nuisance. A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such persons or the public or which cause or have a natural tendency to cause injury or damage to business or property.~~

~~Exception: The provisions of RULE 205 do not apply to odors emanating from agriculture operations in the growing of crops or raising of fowl or animals.~~

RULE 206 Incinerator Burning. Except for the burning of residential rubbish, as defined in RULE 102 QQ., a person shall not burn any combustible or flammable waste in any incinerator within the boundaries of the Collier County Air Pollution Control District except in a multiple-chamber incinerator as defined in RULE 102 CC., or in equipment found by the Air Pollution Control Officer to be equally effective for the purpose of air pollution control.

~~**RULE 207** Particulate Matter. A person shall not release or discharge into the atmosphere from any source or single processing unit whatsoever, dust, fumes, or particulate matter emissions in excess of 0.1 grains per cubic foot of gas at standard conditions.~~

RULE 208 Orchard or Citrus Heaters.

~~I. Section 39298.7 et. seq., Article 6, Chapter 10, Part 1, Division 28 of the California Health and Safety Code is hereby reformed a part of these rules and Regulations. (Revised 1970)~~

- ~~E. Agricultural operations necessary for the growing of crops, or raising of fowl or animals.~~
- ~~F. Use of any aircraft to distribute seed, fertilizer, insecticides, or other agriculture aids over lands devoted to the growing of crops, or the raising of fowl or animals.~~
- ~~G. The use of other equipment in agricultural operations necessary for the growing of crops, or the raising of fowl or animals.~~
- ~~H. Orchard or citrus grove heaters that are on the approved list published by the State Air Resources Board.~~
- ~~I. The governing board of the district may by rule provide for the issuance by the Air Pollution Control Officer of permits for open burning. The provisions of RULE 202 do not apply to smoke from fires set pursuant to such permit.~~

~~RULE 204 Wet Flumes. Where the presence of uncombined water is the only reason for the failure of an emission to meet the limitation of RULE 202 that rule shall not apply. The burden of proof which establishes the application of this rule shall be upon the person seeking to come within its provisions.~~

~~RULE 205 Nuisance. A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause to have a natural tendency to cause injury or damage to business or property.~~

~~Exception: The provisions of RULE 205 do not apply to odors emanating from agriculture operations necessary for the growing of crops or raising of fowl or animals.~~

~~RULE 206 A. Incinerator Burning. Except for the burning of residential rubbish, as defined in RULE 102 QQ, a person shall not burn any combustible or flammable waste in any incinerator within the boundaries of the Calaveras County Air Pollution Control District except in a multiple-chamber incinerator as defined in RULE 102 CC or in equipment found by the Air Pollution Control Officer to be equally effective for the purpose of air pollution control.~~

B. Pathological Incineration. A person shall not burn any pathological waste in any incinerator within the boundaries of the Calaveras County Air Pollution Control District unless all gases, vapors and gas-entrained effluents from such an incinerator are:

1. Incinerated at temperatures of not less than 1,500 degrees Fahrenheit for a period of not less than 0.5 seconds in an incinerator distributing direct flame to pathological waste on a solid grate, or

2. Processed in such a manner determined by the Air Pollution Control Officer to be equally, or more, effective for the purpose of air pollution control than (1) above.

For the purpose of this Rule, "Pathological Waste" is defined as including but not limited to human or animal tissue, or natural constituents thereof, being combusted for reasons of waste reduction, disease control or burial preparation.

RULE 207 Particulate Matter. A person shall not release or discharge into the atmosphere from any source or single processing unit whatsoever, dust, condensed fumes, or particulate matter emissions in excess of 0.1 grains per cubic foot of gas at standard conditions, except for incinerators and Wood Fired Boilers which shall meet 0.2 grains per cubic foot of gas at standard conditions. Combustion contaminants shall be calculated at 12 percent of carbon dioxide (CO₂) at standard conditions. "Wood Fired Boiler" is defined as any boiler used for steam generation from which the products of combustion are directed through a flue or chimney and which derives at least 80 percent of its fuel input heat content from wood, or wood associated waste.

RULE 208 Orchard or Citrus Heaters.

- A. No person shall use any orchard or citrus heater unless it has been approved by the A.R.B. or does not produce more than 1 gram per minute of unconsumed solid carbonaceous material.
- B. All orchard heaters shall be maintained in reasonably clean condition, good repair and working order. Whenever orchard heaters are burning they must be adequately attended and supervised to maintain the condition, adjustment and proper operation of the orchard heaters.
- C. It shall be unlawful for any person, for the purpose of frost protection, to burn any rubber, rubber tires, or other substance containing rubber, or to burn oil or other combustible substances in drums, pails or other containers except orchard heaters.

~~RULE 209 Fossil Fuel Steam Generator Facility. A person shall not build, erect, install or expand any fossil fuel fired steam generating facility unless the discharge into the atmosphere of contaminants will not and does not exceed any one or more of the following rates:~~

- ~~A. 200 pounds per hour of sulfur compounds, calculated as sulfur dioxide (SO₂),~~
- ~~B. 140 pounds per hour of nitrogen oxides, calculated as nitrogen dioxide (NO₂),~~
- ~~C. 10 pounds per hour of combustion contaminants as defined in RULE 102 (H) and derived from the fuel.~~

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RULE 310 Sulfur Emissions. A person shall not discharge into the atmosphere from any single source of emission whatsoever, any one or more of the contaminants, in any sulfur combination thereof, exceeding in concentration at the point of discharge:

- A. Sulfur compounds calculated as sulfur dioxide (SO_2) 0.2 percent, by volume.
- B. Total reduced sulfur: Pending further investigation into a rule which will be applicable to the Mountain Counties Air Basin.

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RULE 211 Process Weight per Hour. A person shall not discharge into the atmosphere from any source operation dust in excess of that allowed on the table in RULE 212.

Rule 212 Process Weight Table.

ALLOWABLE RATE OF EMISSION BASED ON PROCESS WEIGHT RATE	
<u>Process Weight Rate</u>	<u>Emission Rate</u>
<u>Lbs/Hr.</u>	<u>Lbs/Hr.</u>
50	.4
100	.6
500	1.5
1,000	2.3
5,000	6.3
10,000.	9.7
20,000.	15.0
60,000.	29.6
80,000.	31.2
120,000	33.3
160,000	34.9
200,000	36.2
400,000	40.4
1,000,000	46.8

Interpolation of the data for the process weight rates up to 60,000 lbs/hr. shall be accomplished by the use of equation:

$$E=3.59 P^{0.62} \text{ P is less than or equal to 30 tons/hr.}$$

and interpolation or extrapolation of the data for process weight rates in excess of 60,000 lbs/hr. shall be accomplished by use of the equation:

$$E=17.31 P^{0.16} \text{ P is greater than 30 tons/hr.}$$

Where:

E=Emission in pounds per hour.

P=Process weight rate in tons per hour.

RULE 213 Storage of Petroleum Products.

7.22.75

- A. The following section of the State of California Health and Safety Code, and any future amendments thereto, are part of these Rules and Regulations by preference: Section 39068.2 et seq., Article 2, Chapter 3, Part 1, Division 26. (Amended 1971)
- B. A person shall not place, store or hold in any stationary tank, reservoir or other container of more than 40,000 gallons capacity, any gasoline or any petroleum distillate having a vapor pressure of 1.5 pounds per square inch absolute or greater under actual storage conditions, unless such tank, reservoir or other container is a pressure tank maintaining working pressures sufficient at all times to prevent hydrocarbon vapor or gas loss to the atmosphere, or is designed and equipped with equipment described in Section 39068.4 or Section 39068.5 or other equipment of equal efficiency, provided such equipment is approved by the Air Pollution Control Officer.

Rule 214 Reduction of Animal Matter.

A person shall not operate or use any article, machine, equipment or other contrivance for the reduction of animal matter unless all gases, vapors and gas-entrained effluents from such an article, machine, equipment or other contrivance are:

- A. Incinerated at temperatures of not less than 1,200 degrees Fahrenheit for a period of not less than 0.3 seconds, or
- B. Processed in such a manner determined by the Air Pollution Control Officer to be equally, or more effective for the purpose of air pollution control than (A) above.

A person incinerating or processing gases, vapors, or gas-entrained effluents pursuant to this Rule shall provide, properly install and maintain in calibration, in good working order, and in operation, devices as specified in the Authority to Construct or Permit to Operate or as specified by the Air Pollution Control Officer, for indicating temperature, pressure, or other operating conditions.

For the purpose of this Rule "reduction" is defined as any heating process, including rendering, cooking drying, dehydration, digesting, evaporating and protein concentrating.

The provisions of this Rule shall not apply to any article, machine, equipment, or other contrivance used exclusively for the processing of food for human consumption

CALAVERAS COUNTY AIR POLLUTION CONTROL DISTRICT

Rule 215 Abrasive Blasting.

By reference Title 17, Subchapter 6, of the California Administrative Code shall apply.

10/13/77

RULE 217

Existing Sources. In any case where Regulation II imposes standards different than the standards applicable to an existing source of emissions (on day before adoption of new Regulation 1974), and the source of emissions was in compliance, under variance, or authority to construct, with the less restrictive standards applicable on such date, then the source shall remain in compliance with such Rule, until modified as described below or until July 1, 1984, whichever occurs first. In no event is any modification to cause an increase in emissions over that being emitted prior to such modification.

"Modification" means any physical change in, or change in the method of operation of, an affected facility which increases the amount of any air pollutant (to which a rule applies) emitted by such facility of which results in the emission of any air pollutant (to which a rule applies) not previously emitted, except that:

- A. Routine maintenance, repair, and replacement shall not be considered physical changes, and
- B. The following shall not be considered a change in the method of operation:
 - 1. An increase in the production rate, if such increase does not exceed the operating design capacity of the affected facility:
 - 2. An increase in hours of operation.

REGULATION

III

OPEN BURNING

10-13-77

RULE 301 Open Outdoor Fires. No person shall use open outdoor fires for the purpose of disposal or burning of petroleum waste, demolition debris, tires, tar, trees, wood waste, or other combustible or flammable solid or liquid waste, or for metal salvage or burning of motor vehicle bodies.

RULE 302 Exceptions to RULE 301.

- 10-13-77
- A. Except as otherwise provided in RULE 321, nothing in these Rules and Regulations shall be construed as limiting the authority granted under other provisions of law:
1. To any public fire officer to set or permit a fire when such fire is, in his opinion, necessary for any of the following purposes:
 - a. For the purpose of the prevention of a fire hazard which cannot be abated by any other means, or
 - b. The instruction of public employees and/or volunteer firemen in the methods of fighting fire, or
 - c. Set, pursuant to permit, on property used for industrial purposes for the purpose of instruction of employees in the methods of fighting fires.
 2. To set or cause to be set backfires necessary to save life or valuable property pursuant to Section 4426 of the Public Resources Code.
- B. Except as otherwise provided in RULES 316, 317 and 318, nothing in these Rules and Regulations shall be construed as limiting the use of open fires for agricultural burning, as defined in RULE 102 B.
- C. Open fires for the disposal of unsellable wood waste from property being developed for commercial or residential purposes. (See RULE 319.)
- D. Open fires for right-of-way clearing by the public entity or utility or for levee, ditch and reservoir maintenance. (See RULE 320.)
- E. Open fires for the burning of Residential Rubbish as defined in RULE 102 QQ.
- F. Open fires for recreational purposes, such as the cooking of food for human consumption.
- G. Open fires as authorized by the A.R.B. for the operation of a solid waste dump under an extension. (See Section 41808.)

RULE 303 Burning Permits

10-13-77

- A. No person shall knowingly set or permit open outdoor fires for:
 - 1. Agricultural burning or hazard reduction burning unless that person has been issued a valid permit from a designated agency.
 - 2. Levee, ditch, right-of-way or reservoir maintenance burning or the burning of wood waste on property where grown unless the person has been issued a valid permit from the Air Pollution Control Officer.

- B. A permit shall not be issued to an applicant unless information is provided as required by the Calaveras County Air Pollution Control District including, but not limited to:
 - 1. Name and address of the permittee.
 - 2. Location of the proposed burn.
 - 3. Acreage or estimated tonnage of material to be burned.
 - 4. The type of material to be burned.
 - 5. Under what category burning will take place, i.e., agricultural, forest management, range improvement, wood waste on property where grown, or hazard reduction.
 - 6. Distance to nearest residential area (in miles).
 - 7. Reason for burning.
 - 8. The permittee shall read the permit and sign same.

- C. Each permit issued shall bear a statement of warning containing the following words or words of like or similar import: "THIS PERMIT IS VALID ONLY FOR THOSE DAYS ON WHICH THE STATE AIR RESOURCES BOARD DOES NOT PROHIBIT AGRICULTURAL BURNING PURSUANT TO SECTION 41855 OF THE HEALTH AND SAFETY CODE".

- D. A permit shall not be issued to an applicant unless information is provided as required by the designated fire protection agency for fire protection purposes.

7-22-75
RULE 304 Exception to Rule 303.

- A. Agricultural burning in areas above 6,000 feet (msl) may be exempted.

RULE 305 Permit Validity. No permit shall be construed to authorize open outdoor fires for any day during which:

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- A. Agricultural burning is prohibited by the A.R.B.
- B. Open burning is prohibited by public fire control agencies for fire control or prevention.

RULE 306 No-Burn Days. No person shall knowingly permit agricultural burning, or burning of wood waste on property where grown or hazard reduction burning, or right-of-way clearing and levee, ditch and reservoir maintenance burning, on days when such burning is prohibited by the A.R.B.

7.22.75

RULE 307 Exceptions to Rule 306.

7.22.75 A. The Air Pollution Control Officer may, by special permit, authorize:

1. Agricultural burning on days designated by the A.R.B. as "no-burn days" if the denial of such permit would threaten imminent and substantial economic loss. The granting of an exception does not exempt the applicant from any other district or fire control regulation. The applicant shall submit in writing his reasons for the exception. The Calaveras County Air Pollution Control Officer may seek the advice of the County Agricultural Commissioner, the County Farm Advisory, or other informed sources.
2. The burning of empty sacks or containers which contained pesticides or other toxic materials on the premises where used.

B. Range improvement burning during the period between January 1 and May 31, providing that more than 50 percent of the land has been brush-treated

Agricultural burning in areas above 6,000 feet (msl) may be exempted.

Upon special request from a permittee through a designated agency seven (7) days in advance of a specific range improvement burn below 6,000 feet (msl) or of a specific forest management burn at elevations between 3,000 to 6,000 feet (msl), the A.R.B. will issue an advisory outlook 72 hours in advance of the proposed burn, and a burn or no-burn notice up to 48 hours prior to the date of the proposed burn. The A.R.B. may cancel any notice issued more than twenty-four (24) hours in advance if necessary to maintain suitable air quality.

RULE 308 Burning Reports.

1:22.75

- A. The name, location, type and amount of waste material burned daily must be reported to the designated agency within 30 days following completion of the burn.
- B. The designated agency shall forward above information to the Calaveras County Air Pollution Control Officer monthly.

7.22.15
RULE 309 Amount Burned Daily. Agricultural waste and other material shall be arranged so that it will burn with a minimum amount of smoke, and except for large trees, only that amount that can reasonably be expected to completely burn within the following twenty-four (24) hours shall be ignited in any one day.

7.22.75
RULE 310 Approved Ignition Devices. All open fires as authorized by this regulation shall be ignited only with approved ignition devices as defined in Rule 102 G and the material to be burned should be ignited as rapidly as practicable within applicable fire control restrictions.

7-22-75
RULE 311 Restricted Burning Days. The Air Pollution Control Officer shall notify the designated agencies that a condition of restricted burning exists, if in his opinion the amounts being burned each day are causing significant degradation of the air quality. On days of restricted burning, the designated agencies shall restrict the acreage or tonnage of material to be burned under permit to the acreage or tonnage allocated to the designated agencies by the Air Pollution Control Officer. The Air Pollution Control Officer shall prorate the amounts to be burned to each agency based on the estimated number of acres or tonnage in the geographic area covered by the agency.

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RULE 312 *Wind Direction. Burning shall be curtailed when smoke is drifting into a nearby populated area or creating a public nuisance.*

RULE 313 Minimum Drying Times. To lower the moisture content of the material being burned, the elapsed time between cutting and burning shall be:

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- A. A minimum of three (3) days for straw and stubble.
- B. Sufficient time for other agricultural waste such as orchard prunings, small branches, vegetable tops and seed screenings to assure rapid and complete combustion with a minimum of smoke.
- C. A minimum of six (6) weeks for trees, stumps, and large branches greater than six (6) inches in diameter.

1.22.75 RULE 314 Exceptions to Rule 313. The Air Pollution Control Officer may, by permit, authorize agricultural burning in shorter times if the denial of such permit would threaten imminent and substantial economic loss.

RULE 315 Preparation of Material to be Burned.

7.22.75

- A. No material shall be burned unless it is free of tires, rubbish, tar paper, construction debris, also reasonably free of dirt, soil and visible surface moisture.
- B. Material stacked for burning shall not be burned unless it is loosely stacked in such a manner as to promote drying and insure combustion with a minimum amount of smoke.

1.22.75 RULE 316 Burning of Agricultural Waste. Rule 301 through Rule 315, inclusive, shall apply to the open burning of all agriculture waste.

RULE 317 Range Improvement Burning.

7.22-75

- A. *Rule 301 through 315, inclusive, and the following sections of this rule shall apply to Range Improvement Burning.*
- B. *Brush shall be treated (see Rule 102 F) at least six (6) months prior to the burn if economically and technically feasible.*
- C. *Unwanted trees over six (6) inches in diameter shall be felled and dried prior to the burn.*
- D. *Material should be windrowed or piled if economically and technically feasible.*
- E. *If the burn is to be accomplished primarily for improvement of land for wild life and game habitat, the permit applicant shall obtain a written statement from the State Department of Fish and Game, certifying that the burn is desirable and proper.*

RULE 318 Forest Management Burning.

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7-22-75

- A. Rule 301 through 315, and the following sections of this rule, with the exception of Rule 318, shall apply to Forest Management Burning.
- B. Waste material should be windrowed or piled where possible, unless good silvicultural practice (see Rule 102 TT) dictates otherwise.
- C. Drying time shall be specified by the designated agency.

10/13/77

RULE 319 Open Burning of Wood Waste on Property Where Grown. Pursuant to Section 41003, this Rule authorizes the use of open outdoor fires for the disposal of unsellable wood waste from property being developed for commercial or residential purposes under the following conditions:

- A. RULE 301 through RULE 315, except RULE 308, and the following sections of this Rule shall apply to open burning of wood waste on property where grown.
- B. Unwanted trees over six (6) inches in diameter are to be felled and dried prior to the burn.
- C. Wood waste should be windrowed if economically and technically feasible.
- D. Wood waste which is burned under this Rule shall be limited to that grown on the property and free of other material.
- E. This burning shall be conducted only on permissive burn days.
- F. The Air Pollution Control Officer or staff shall review and sign all permits prior to the burning.
- G. The Air Pollution Control Board of the district finds it more desirable to burn than dispose of by other available means.

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RULE 320 Right-of-Way Clearing and Levee, Ditch and Reservoir Maintenance
Burning.

- A. RULE 301 through RULE 315, except RULE 308, shall apply to the use of fires for right-of-way clearing by a public entity or utility or for levee, ditch or reservoir maintenance.
- B. This burning shall be conducted only on permissive burn days.

RULE 321 Hazard Reduction Burning.

10-13-77

- A. For purposes of this rule, "Hazard Reduction Burning" is burning authorized pursuant to RULES 302 A. 1 (a) and 203 A. 1.
- B. Except as provided in Paragraph C, the following conditions shall apply to all open outdoor burning for purposes of hazard reduction:
 - 1. RULE 301 through RULE 315, except RULE 308, shall apply to Hazard Reduction Burning.
 - 2. Unwanted trees over six (6) inches in diameter shall be felled and dried prior to the burn.
- C. If the fire officer with jurisdiction determines that a condition exists in which a fire hazard or health hazard will have an imminent effect on life and property, he may waive the requirements of Paragraph B of this Rule, provided that a written report of such burning shall be forwarded to the Air Pollution Control Officer stating why life and property was being threatened requiring such burning and such other information as the Air Pollution Control Officer may reasonably require.

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OPEN BURNING ENFORCEMENT

RULE 323 Enforcement Responsibility. The Air Pollution Control Officer or his staff will be in the field to ensure that these Rules and Regulations are complied with and shall enforce all State and Calaveras County Air Pollution Control District regulations regarding air pollution control. See Enforcement Flow Chart on Page

REGULATION

IV

PERMIT SYSTEMS CONDITIONS

7.22.75

RULE 401 Responsibility. The fact that an authorization to construct or modify, or a permit to operate an article, machine, equipment or other contrivance described therein shall have been issued by the Air Pollution Control Officer shall not be an endorsement of such article, machine, or other contrivance neither shall it be deemed or construed to be a warranty, guarantee or representation on the part of the Air Pollution Control Officer that emission standards would not be exceeded by such article, machine, equipment or other contrivance. In every instance the person, firm or corporation to whom such authorization or permit is issued shall be and remain responsible under these regulations for each and every instance wherein emission standards are exceeded by the article, machine, equipment or other contrivance described in the permit, and the fact of issuance or authorization shall not be a defense to or mitigation of any charge of violation.

7.22.75

RULE 403 Responsibility of Permittee. Issuance of a permit pursuant to these Rules and Regulations does not release permittee of the responsibility of any and all other applicable permits and authorizations issued by other governmental agencies.

Rules in the Calaveras County Air Pollution Control District SIP

The following text is an EPA transcription of the SIP material that was submitted by the state. If you would like to inspect a scan of the source material for this transcription, please contact the EPA Region 9 contact listed at <https://www.epa.gov/air-quality-implementation-plans/find-regional-contact-air-quality-sipsfipstips>.

Rule 405 Separation of Emissions. (Submitted to the EPA on 7/22/1975)

If air contaminants from a single source operation are emitted through two or more emission points, the total emitted quantity of air contaminants can not exceed the quantity which would be allowable through a single emission point.

The total emitted quantity of any such air contaminant shall be taken as the product of the highest concentration measured in any of the emission points and the combined exhaust gas volume through all emission points, unless the person responsible for the Source Operations establishes, to the Air Pollution Control Officer's satisfaction, the correct total emitted quantity.

Rule 406 Combination of Emissions. (Submitted to the EPA on 7/22/1975)

- A. If air contaminants from two or more source operations are combined prior to emission and there are adequate and reliable means reasonably susceptible for conformation and use by the Air Pollution Control District in establishing a separation of the components of the combined emission to indicate the nature, extent, quantity and degree of emission arising from each such source operation, the Rules and Regulations shall apply to each such source operation separately.
- B. If air contaminants from two or more source operations are combined prior to emission and the combined emissions cannot be separated according to the requirements of Rule 406 A, the Rules and Regulations shall be applied to the combined emissions as if it originated in a single source operation subject to the most stringent limitations and requirements placed by the Rules and Regulations on any of the source operations whose air contaminants are so combined.

Rule 407 Circumvention. (Submitted to the EPA on 10/13/1977)

A person shall not build, erect, install, or use any article, machine, equipment or other contrivance, the use of which, without resulting in an actual reduction in the total release of air contaminants to the atmosphere, superficially reduces or conceals an emission which would otherwise constitute a violation of Division 26 of the Health and Safety Code of the State of California or any of these Rules and Regulations. This Rule shall not apply to cases in which the only violations involved are of Section 41700, or of Rule 205 of these Rules and Regulations.

7-22-75

RULE 409 Public Records.

- A. All information, analysis, plans or specifications that disclose the nature, extent, quantity, or degree of air contaminants or other pollution which any article, machine, equipment, or other contrivance will produce which the District requires any applicant to provide before such applicant builds, erects, alters, replaces, operates, sells, rents, or uses such article, machine, equipment, or other contrivance, are public records.
- B. All air or other pollution monitoring data, including data compiled from stationary sources, are public records.
- C. Except as otherwise provided in D., trade secrets are not public records under this Regulation. Trade secrets, as used in this Regulation may include, but are not limited to any formula, plan, pattern, process, tool, mechanism, compounds, procedure, production data, or compilation of information which is not patented, which is known only to certain individuals within a commercial concern who are using it to fabricate, produce, or compound an article of trade or a service having commercial value and which gives it's user an opportunity to obtain a business advantage over competitors who do not know or use it. The owner or operator shall state in writing his justification for claiming material is a trade secret. The Air Pollution Control Officer shall rule on the validity of trade secrecy claims.
- D. Notwithstanding any other provisions of the law, all air pollution emission data, including those emission data which constitute trade secrets as defined in C., are public records. Data used to calculate emission data are not emission data for purposes of this subdivision and data which constitute trade secrets and which are used to calculate emission data are not public records.

**RULE 428 – NSR REQUIREMENTS FOR NEW AND MODIFIED MAJOR SOURCES IN
NONATTAINMENT AREAS (ADOPTED ON MARCH 12, 2019)**

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1 APPLICABILITY PROCEDURES

1.1 PRECONSTRUCTION REVIEW REQUIREMENTS

- (a) The preconstruction review requirements of this rule apply to the proposed construction of any new major stationary source or major modification in the District that is major for a nonattainment pollutant, if the stationary source or modification is located anywhere in the designated nonattainment area, except as provided in Section 9 of this rule.
- (b) Sources subject to this rule may also be subject to other District Rules and Regulations. For purposes of the implementation and enforcement of this rule, the provisions and requirements of this rule, including but not limited to the requirements for obtaining an Authority to Construct, application submittal and content, conditional approval, public participation, and granting an Authority to Construct, shall take precedence over any other such provisions and requirements in other District Rules and Regulations. To the extent that other District Rules or Regulations may affect the stringency or applicability of this rule, such other Rules and Regulations shall not apply for purposes of the implementation or enforcement of this rule.

1.2 AUTHORITY TO CONSTRUCT REQUIREMENT

No new major stationary source or major modification to which the requirements of this rule apply shall begin actual construction without first obtaining an Authority to Construct from the reviewing authority, pursuant to this rule.

1.3 EMISSION CALCULATION REQUIREMENTS TO DETERMINE NSR APPLICABILITY

1.3.1 New Major Stationary Sources

The Federal definition of *Major Stationary Source* as incorporated by reference in Section 2 shall be used to determine if a new or modified stationary source is a new major stationary source.

1.3.2 Major Modifications

The provisions set out in paragraphs (a) through (e) below shall be used to determine if a proposed project will result in a major modification. These provisions shall not be used to determine the quantity of offsets required for a project subject to the requirements of this rule.

- (a) Except as otherwise provided in Section 1.4, a project is a major modification for a nonattainment pollutant if it causes two types of emissions increases: a significant emissions increase and a significant net emissions increase. The project is not a major modification if it does not cause a significant emissions increase. If the project causes a significant emissions increase, then the project is a major modification only if it also results in a significant net emissions increase.
- (b) The procedure for calculating (before beginning actual construction) whether a significant emissions increase will occur depends upon the type of emissions units being added or modified as part of the project, according to paragraphs (c) through (e) of this Section.

The procedure for calculating (before beginning actual construction) whether a significant net emissions increase will occur at the major stationary source is contained in the Federal definition of *Net Emissions Increase*. Regardless of any such preconstruction projections, a major modification results if the project causes a significant emissions increase and a significant net emissions increase.

- (c) **Actual-to-Projected-Actual Applicability Test for Projects that Only Involve Existing Emissions Units.** A significant emissions increase of a nonattainment pollutant is projected to occur if the sum of the difference between the projected actual emissions and the baseline actual emissions, for each existing emissions unit, equals or exceeds the significant amount for that pollutant.
- (d) **Actual-to-Potential Test for Projects that Only Involve Construction of a New Emissions Unit(s).** A significant emissions increase of a nonattainment pollutant is projected to occur if the sum of the difference between the potential to emit from each new emissions unit following completion of the project and the baseline actual emissions of these units before the project equals or exceeds the significant amount for that pollutant.
- (e) **Hybrid Test for Projects that Involve Multiple Types of Emissions Units.** A significant emissions increase of a nonattainment pollutant is projected to occur if the sum of the emissions increases for each emissions unit, using the method specified in paragraphs (c) or (d) of this Section, as applicable, with respect to each emissions unit, equals or exceeds the significant amount for that pollutant.

1.4 MAJOR SOURCES WITH PLANT-WIDE APPLICABILITY LIMITATIONS (PAL)

For any major stationary source with a PAL permit for a nonattainment pollutant, the major stationary source shall comply with the requirements in Section 9 of this rule.

1.5 PROJECTS THAT RELY ON A PROJECTED ACTUAL EMISSIONS TEST

Except as otherwise provided in paragraph (g)(iii) of this Section, the provisions of this Section shall apply with respect to any nonattainment pollutant that is emitted from projects at existing emissions units located at a major stationary source, other than a source with a PAL permit, when there is a reasonable possibility, within the meaning of paragraph (g) of this Section, that a project that is not a part of a major modification may result in a significant emissions increase of such pollutant, and the owner or operator elects to use the method specified in paragraphs (B)(1) through (B)(3) of the definition of *Projected Actual Emissions* to calculate projected actual emissions.

- (a) Before beginning actual construction of the project the owner or operator shall document and maintain a record of the following information:
 - (i) A description of the project;
 - (ii) Identification of the emissions unit(s) whose emissions of a regulated NSR pollutant could be affected by the project; and
 - (iii) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including the baseline actual emissions, the projected actual emissions, the amount of emissions excluded under

paragraph (B)(3) of the definition of *Projected Actual Emissions* and an explanation for why such amount was excluded, and any netting calculations, if applicable.

- (b) If the emissions unit is an existing emissions unit, before beginning actual construction, the owner or operator shall provide a copy of the information set out in paragraph (a) of this Section to the APCO. Nothing in this paragraph shall be construed to require the owner or operator of such a unit to obtain any determination from the APCO concerning compliance with Rule 428 before beginning actual construction. However, such owner or operator may be subject to the requirements of District Regulation IV - AUTHORITY TO CONSTRUCT, or other applicable requirements.
- (c) The owner or operator shall monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that are emitted by any emissions unit identified in paragraph (a)(ii) of this Section; and calculate and maintain a record of the annual emissions, in tons per year (tpy), on a calendar year basis for a period of five years following resumption of regular operations after the change, or for a period of ten years following resumption of regular operations after the change if the project increases the design capacity or potential to emit that regulated NSR pollutant at such emissions unit.
- (d) If the emissions unit is an existing electric utility steam generating unit, the owner or operator shall submit a report to the APCO within sixty days after the end of each calendar year during which records must be generated under paragraph (c) of this Section, setting out the unit's annual emissions during the calendar year that preceded submission of the report.
- (e) If the emissions unit is an existing emissions unit other than an electric utility steam generating unit, the owner or operator shall submit a report to the APCO if the annual emissions, in tpy, from the project identified in paragraph (a)(ii) of this Section exceed the baseline actual emissions by a significant amount for that regulated NSR pollutant, and if such emissions differ from the projected actual emissions (prior to exclusion of the amount of emissions specified under paragraph (B)(3) of the definition of *Projected Actual Emissions*) as documented and maintained pursuant to paragraph (a)(iii) of this Section. Such report shall be submitted to the APCO within sixty days after the end of such year. The report shall contain the following:
 - (i) The name, address, and telephone number of the major stationary source;
 - (ii) The annual emissions, as calculated pursuant to paragraph (c) of this Section; and
 - (iii) Any other information that the owner or operator wishes to include in the report (e.g., an explanation as to why the emissions differ from the preconstruction projection).
- (f) The owner or operator of the source shall make the information required to be documented and maintained pursuant to this Section available for review upon a request for inspection by the APCO or the general public pursuant to the requirements contained in 40 CFR 70.4(b)(3)(viii).
- (g) A "reasonable possibility" under this Section occurs when the owner or operator calculates the project to result in either:

- (i) A projected actual emissions increase of at least 50 percent of the amount that is a “significant emissions increase,” as defined in this rule (without reference to the amount that is a significant net emissions increase), for the regulated NSR pollutant; or
- (ii) A projected actual emissions increase that, added to the amount of emissions excluded under paragraph (B)(3) of the definition of *Projected Actual Emissions*, sums to at least 50 percent of the amount that is a “significant emissions increase,” as defined in this rule (without reference to the amount that is a significant net emissions increase), for the regulated NSR pollutant.
- (iii) For a project in which a reasonable possibility occurs only within the meaning of paragraph (g)(ii), and not also within the meaning of (g)(i), the provisions of paragraphs (b) through (e) of this Section do not apply to the project.

1.6 SECONDARY EMISSIONS

Secondary emissions shall not be considered in determining whether a stationary source would qualify as a major stationary source. If a stationary source is subject to this rule on the basis of direct emissions from the stationary source, the requirements of Section 4 must also be met for secondary emissions.

1.7 STATIONARY SOURCES

For purposes of this rule, the term stationary source does not refer to the source of emissions resulting directly from an internal combustion engine for transportation purposes or from a nonroad engine or nonroad vehicle as defined in section 216 of the Clean Air Act.

1.8 ENVIRONMENTAL PROTECTION AGENCY DETERMINATION

Notwithstanding any other requirements of this rule governing the issuance of an Authority to Construct, the APCO shall not issue an Authority to Construct to a new major stationary source or major modification subject to the requirements of this rule if the federal Environmental Protection Agency has determined that the SIP is not being adequately implemented for the nonattainment area in which the proposed source is to be constructed or modified in accordance with the requirements of Title I, Part D of the Clean Air Act.

2 DEFINITIONS

For the purposes of this rule, the definitions provided in paragraphs (a), (b), (c) and (d) below apply to the terms used in this rule. In the event of any discrepancy between the definitions specified in paragraphs (a), (b), (c), and (d), below, the definition in the paragraph that is listed first below shall control.

- (a) The *definitions* contained in 40 CFR 51.165(a)(1) shall apply, and are hereby incorporated by reference, with the exception of the definition of “Reviewing authority” at 40 CFR 51.165(a)(1)(xxviii), which has the meaning specified in paragraph (b) below.
- (b) The following definitions shall also apply:

“Air Pollution Control Officer (APCO)” means the Air Pollution Control Officer of the Calaveras County Air Pollution Control District.

“Class I area” means any area listed as Class I in 40 CFR Part 81 Subpart D, including Section 81.405, or an area otherwise specified as Class I in the legislation that creates a national monument, a national primitive area, a national preserve, a national recreational area, a national wild and scenic river, a national wildlife refuge, or a national lakeshore or seashore.

“Clean Air Act (CAA)” means the federal Clean Air Act, 42 U.S.C. 7401 *et seq.*, as amended.

“Complete” means, in reference to an application, that the application contains all of the information necessary for processing.

“District” means the Calaveras County Air Pollution Control District.

“Emission reduction credit (ERC)” means reductions of actual emissions from emissions units that are certified by a California air district in accordance with applicable district rules and issued by the air district in the form of ERC certificates.

“Internal emission reductions” means emission reductions which have occurred or will occur at the same major stationary source where the proposed emissions increase will occur.

“Nonattainment pollutant” means any regulated NSR pollutant for which the District, or portion of the District, has been designated as nonattainment, as codified in 40 CFR 81.305, as well as any precursor of such regulated NSR pollutant specified in 40 CFR 51.165(a)(1)(xxxvii)(C).

“Permanent” means an emission reduction which is federally enforceable for the life of a corresponding increase in emissions.

“Reviewing authority” means the Air Pollution Control Officer (APCO).

“Shutdown” means the cessation of operation of any air pollution control equipment or process equipment for any purpose.

“State Implementation Plan (SIP)” means the State Implementation Plan approved or promulgated for the State of California under section 110 or 172 of the Clean Air Act.

“Startup” means the setting into operation of any air pollution control equipment or process equipment for any purpose except routine phasing in of process equipment.

“Surplus” means the amount of emission reductions that are, at the time of generation or use of an emission reduction credit (ERC), not otherwise required by federal, state, or local law, not required by any legal settlement or consent decree, and not relied upon to meet any requirement related to the California State Implementation Plan (SIP). However, emission reductions required by a state statute that provides that the subject emission reductions shall be considered surplus may be considered surplus for purposes of this rule if those reductions meet all other applicable requirements. Examples of federal, state, and local laws, and of SIP-related requirements, include, but are not limited to, the following:

- (i) The federally-approved California SIP;
- (ii) Other adopted state air quality laws and regulations not in the SIP, including but not limited to, any requirement, regulation, or measure that: (1) the District or the State has included on a legally required and publicly available list of measures that are scheduled for adoption by the District or the State in the future; or (2) is the subject of a public notice distributed by the District or the State regarding an intent to adopt such revision;
- (iii) Any other source or source-category specific regulatory or permitting requirement, including, but not limited to RACT, New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), Best Available Control Measures (BACM), BACT, and LAER; and
- (iv) Any regulation or supporting documentation that is required by the Federal Clean Air Act, but is not contained or referenced in 40 CFR Part 52, including but not limited to: assumptions used in attainment and maintenance demonstrations (including Reasonable Further Progress demonstrations and milestone demonstrations), including any proposed control measure identified as potentially contributing to an enforceable near-term emission reduction commitment; assumptions used in conformity demonstrations; and assumptions used in emissions inventories.

“Temporary source” means an emission source such as a pilot plant or a portable facility which will be located outside the nonattainment area after less than a cumulative total of 90 days of operation in any 12 continuous months.

“Tons per year (tpy)” means annual emissions in tons.

- (c) The definitions contained in 40 CFR 51.100 shall apply, and are hereby incorporated by reference.
- (d) The definitions contained in 40 CFR 51.301 shall apply, and are hereby incorporated by reference.

3 APPLICATION REQUIREMENTS

3.1 APPLICATION SUBMITTAL

The owner or operator of any proposed new major stationary source or major modification required to obtain an Authority to Construct pursuant to this rule shall submit a complete application to obtain an Authority to Construct on forms provided by the APCO and include in the application submittal the information listed in Section 3.2 as well as the demonstrations listed in Sections 3.3-3.6. Designating an application complete for purposes of permit processing does not preclude the APCO from requesting or accepting any additional information.

3.2 APPLICATION CONTENT

At a minimum, an application for an Authority to Construct shall contain the following information related to the proposed new major stationary source or major modification:

- (a) Identification of the applicant, including contact information.
- (b) Identification of address and location of the new or modified source.
- (c) An identification and description of all emission points, including information regarding all regulated NSR pollutants emitted by all emissions units included in the new source or modification.
- (d) A process description of all activities, including design capacity, which may generate emissions of regulated NSR pollutants in sufficient detail to establish the basis for the applicability of standards and fees.
- (e) A projected schedule for commencing construction and operation for all emissions units included in the new source or modification.
- (f) A projected operating schedule for each emissions unit included in the new source or modification.
- (g) A determination as to whether the new source or modification will result in any secondary emissions.
- (h) The emission rates of all regulated NSR pollutants, including fugitive and secondary emission rates, if applicable. The emission rates must be described in tons per year and for such shorter term rates as are necessary to establish compliance using the applicable standard reference test method or other methodology specified (i.e., grams/liter, ppmv or ppmw, lbs/MMBtu).
- (i) The calculations on which the emission rate information is based, including fuel specifications, if applicable and any other assumptions used in determining the emission rates (e.g., HHV, sulfur content of natural gas).
- (j) The calculations, pursuant to Section 1.3, used to determine applicability of this rule, including the emission calculations (increases or decreases) for each project that occurred during the contemporaneous period.
- (k) The calculations, pursuant to Section 4.3 (offset), used to determine the quantity of offsets required for the new source or modification.
- (l) Identification of existing emission reduction credits or identification of internal emission reductions, including related emission calculations and proposed permit modifications required to ensure emission reductions meet the offset integrity criteria of being real, surplus, quantifiable, permanent and federally enforceable or enforceable as a practical matter.
- (m) If applicable, a description of how performance testing will be conducted, including test methods and a general description of testing protocols.

3.3 LOWEST ACHIEVABLE EMISSION RATE (LAER)

The applicant shall submit an analysis demonstrating that LAER has been proposed for each emissions unit included in the new major stationary source or major modification that emits a nonattainment pollutant for which the new stationary source or modification is classified as major.

3.4 STATEWIDE COMPLIANCE

The applicant shall submit a certification that each existing major stationary source owned or operated by the applicant (or any entity controlling, controlled by, or under common control with the applicant) in the State is in compliance with all applicable emission limitations and standards under the Clean Air Act or is in compliance with an expeditious compliance schedule which is federally enforceable.

3.5 ANALYSIS OF ALTERNATIVES

The applicant shall submit an analysis of alternative sites, sizes, production processes, and environmental control techniques for the proposed source that demonstrates the benefits of the proposed source significantly outweigh the environmental and social costs imposed as a result of its location, construction, or modification.

3.6 SOURCES IMPACTING CLASS I AREAS

The applicant for a proposed new major source or major modification that may affect visibility of any Mandatory Class I Federal Area shall provide the APCO with an analysis of impairment to visibility that would occur as a result of the source or modification and general commercial, residential, industrial, and other growth associated with the source or modification, as required by 40 CFR Section 51.307(b)(2).

3.7 APPLICATION FEES

The applicant shall pay the applicable fees specified in District Regulation VI: FEES.

4 EMISSIONS OFFSETS

4.1 OFFSET REQUIREMENTS

- (a) The emission increases of a nonattainment pollutant for which the new stationary source or modification is classified as major, shall be offset with federally enforceable ERCs or with internal emission reductions.
- (b) ERCs from one or more sources may be used, alone or in combination with internal emission reductions, in order to satisfy offset requirements.
- (c) Emissions reductions achieved by shutting down an existing emissions unit or curtailing production or operating hours may only be credited for offsets if such reductions are surplus, permanent, quantifiable, and federally enforceable; and
- (d) The shutdown or curtailment occurred after the last day of the base year for the attainment plan for the specific pollutant; or
- (e) The projected emissions inventory used to develop the attainment plan explicitly includes the emissions from such previously shutdown or curtailed emissions units. However, in no event may credit be given for shutdowns that occurred before August 7, 1977.

4.2 TIMING

- (a) Internal emission reductions used to satisfy an offset requirement must be federally enforceable prior to the issuance of the Authority to Construct, which relies on the emission reductions.
- (b) Except as provided by paragraph (c) of this Section, the decrease in actual emissions used to generate ERCs or internal emission reductions must occur no later than the commencement of operation of the new or modified major stationary source.
- (c) Where the new emissions unit is a replacement for an emissions unit that is being shut down in order to provide the necessary offsets, the APCO may allow up to one hundred eighty (180) calendar days for shakedown or commissioning of the new emissions unit before the existing emissions unit is required to cease operation.

4.3 QUANTITY

The quantity of ERCs or internal emission reductions required to satisfy offset requirements shall be determined in accordance with the following:

- (a) The unit of measure for offsets, ERCs, and internal emission reductions shall be tons per year (tpy). All calculations and transactions shall use emission rate values rounded to the nearest one one-hundredth (0.01) tpy.
- (b) The quantity of ERCs or internal emission reductions required shall be calculated as the product of the amount of increased emissions, as determined in accordance with paragraph (c) of this Section, and the offset ratio, as determined in accordance with paragraph (d) of this Section.
- (c) The amount of increased emissions shall be determined as follows:
 - (i) When the offset requirement is triggered by the construction of a new major stationary source, the amount of increased emissions shall be the sum of the potential to emit of all emissions units.
 - (ii) When the offset requirement is triggered by a major modification of an existing major stationary source, the amount of increased emissions shall be the sum of the differences between the allowable emissions after the modification and the actual emissions before the modification for each emissions unit.
 - (iii) The amount of increased emissions includes fugitive emissions.
- (d) The ratios listed in Table 1 shall be applied based on the area's designation for each pollutant, as applicable. The offset ratio is expressed as a ratio of emissions increases to emission reductions.

Table 1. Federal Offset Ratio Requirements by Area Designation and Pollutant

Area Designation	Pollutant	Offset Ratio
Marginal Ozone Nonattainment Area	NO _x or VOC	1:1.1
Moderate Ozone Nonattainment Area	NO _x or VOC	1:1.15

Serious Ozone Nonattainment Area	NO _x or VOC	1:1.2
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4.4 EMISSION REDUCTION REQUIREMENTS

- (a) Internal emission reductions or ERCs used to satisfy an offset requirement shall be:
 - (i) Real, surplus, permanent, quantifiable, and federally enforceable; and
 - (ii) Surplus at the time of issuance of the Authority to Construct containing the offset requirements.
- (b) Permitted sources whose emission reductions are used to satisfy offset requirements must appropriately amend or cancel their Authority to Construct or Permit to Operate to reflect their newly reduced potential to emit, including practicably enforceable conditions to limit their potential to emit.
- (c) Emission reductions must be obtained from the same nonattainment area, however, the APCO may allow emission reductions from another nonattainment area if the following conditions are met:
 - (i) The other area has an equal or higher nonattainment classification than the area in which the source is located; and
 - (ii) Emissions from such other area contribute to a violation of the national ambient air quality standard in the nonattainment area in which the source is located.
- (d) The use of ERCs shall not provide:
 - (i) Authority for, or the recognition of, any pre-existing vested right to emit any regulated NSR pollutant;
 - (ii) Authority for, or the recognition of, any rights that would be contrary to applicable law; or
 - (iii) An exemption to a stationary source from any emission limitations established in accordance with federal, state, or county laws, rules, and regulations.

4.5 RESTRICTIONS ON TRADING POLLUTANTS

- (a) The emission offsets obtained shall be for the same regulated NSR pollutant except as specified below.
- (b) For the purposes of satisfying the offset requirements for the ozone precursors NO_x and VOC, the APCO may approve interpollutant emission offsets for these precursor pollutants on a case by case basis, if all other requirements for such offsets are also satisfied. The permit applicant shall submit information to the reviewing authority, including the proposed ratio for the precursor substitution for ozone, a description of the air quality model(s) used, and the technical demonstration substantiating the equivalent or greater air quality benefit for ozone in the nonattainment area. The APCO shall impose, based on the air quality analysis, emission offset ratios in addition to the requirements of Table 1. Interpollutant emission offsets must receive written approval by the U.S. Environmental Protection Agency.

- (c) In no case, shall the compounds excluded from the definition of *Volatile Organic Compounds* be used as offsets for Volatile Organic Compounds.

5 ADMINISTRATIVE REQUIREMENTS

5.1 VISIBILITY

The APCO shall provide written notice and conduct any necessary review and consultation with the Federal Land Manager regarding any proposed major stationary source or major modification that may impact visibility in any Mandatory Class I Federal Area, in accordance with the applicable requirements of 40 CFR 51.307.

5.2 AMBIENT AIR QUALITY STANDARDS

The APCO may require the use of an air quality model to estimate the effects of a new or modified stationary source. The analysis shall estimate the effects of the new or modified stationary source, and verify that the new or modified stationary source will not prevent or interfere with the attainment or maintenance of any ambient air quality standard. In making this determination, the APCO shall take into account the mitigation of emissions through offsets pursuant to this rule, and the impacts of transported pollutants on downwind pollutant concentrations. The APCO may impose, based on an air quality analysis, offset ratios greater than the requirements of paragraph (d) of Section 4.3.

5.3 AIR QUALITY MODELS

All estimates of ambient concentrations required, pursuant to this rule, shall be based on applicable air quality models, databases, and other requirements specified in 40 CFR Part 51, Appendix W ("Guideline on Air Quality Models"). Where an air quality model specified is inappropriate, the model may be modified or another model substituted. Such a modification or substitution of a model may be made on a case-by-case basis or, where appropriate, on a generic basis. Written approval from the EPA must be obtained for any modification or substitution. In addition, use of a modified or substituted model must be subject to public notification and the opportunity for public comment given.

5.4 STACK HEIGHT PROCEDURES

The degree of emission limitation required of any source for control of any air pollutant must not be affected by so much of any source's stack height that exceeds good engineering practice or by any other dispersion technique, except as provided in 40 CFR 51.118(b). For the purposes of this Section, the definitions in 40 CFR 51.100 shall apply.

- (a) Before the Control Officer issues an Authority to Construct under this rule to a source with a stack height that exceeds good engineering practice (GEP) stack height, the Control Officer shall notify the public of the availability of the demonstration study and provide opportunity for a public hearing.

- (b) Any field study or fluid model used to demonstrate GEP stack height and any determination concerning excessive concentration must be approved by the EPA and the Control Officer prior to any emission limit being established.
- (c) The provisions of Section 5.4 do not restrict, in any manner, the actual stack height of any stationary source or facility.

6 AUTHORITY TO CONSTRUCT – DECISION

6.1 PRELIMINARY DECISION

Following acceptance of an application as complete, the APCO shall perform the evaluations required to determine if the proposed new major stationary source or major modification will comply with all applicable District, state and federal rules, regulations, or statutes, including but not limited to the requirements under Section 3 of this rule, and shall make a preliminary written decision as to whether an Authority to Construct should be approved, conditionally approved, or denied. The decision shall be supported by a succinct written analysis. The decision shall be based on the requirements in force on the date the application is deemed complete, except when a new federal requirement, not yet incorporated into this rule, applies to the new or modified source.

6.2 AUTHORITY TO CONSTRUCT – PRELIMINARY DECISION

- (a) Prior to issuance of a preliminary written decision to issue an Authority to Construct for a new major stationary source or major modification, the APCO shall determine:
 - (i) That each emissions unit(s) that constitutes the new source or modification will not violate any applicable requirement of the District's portion of the California State Implementation Plan (SIP); and
 - (ii) That the emissions from the new or modified stationary source will not interfere with the attainment or maintenance of any applicable national ambient air quality standard; and
 - (iii) That the emission limitation for each emissions unit that constitutes the new source or modification specifies LAER for such units.

If the APCO determines that technological or economic limitations on the application of measurement methodology to a particular class of sources would make the imposition of an enforceable numerical emission standard infeasible, the APCO may instead prescribe a design, operational or equipment standard. In such cases, the APCO shall make its best estimate as to the emission rate that will be achieved and must specify that rate in the application review documents. Any Authority to Construct issued without an enforceable numerical emission standard must contain enforceable conditions which assure that the design characteristics or equipment will be properly maintained or that the operational conditions will be properly performed to continuously achieve the assumed degree of control. Such conditions shall be enforceable as emission limitations by private parties under

section 304 of the Clean Air Act. The term “emission limitation” shall also include such design, operational, or equipment standards; and

- (iv) The quantity of ERCs or internal emission reductions required to offset the new source or modification, pursuant to Section 4.3; and
 - (v) That all ERCs or internal emission reductions required for the new source or modification have been identified and have been made federally enforceable or legally and practicably enforceable; and
 - (vi) That the quantity of ERCs or internal emission reductions determined under paragraph (b) of Section 4.3 will be surrendered prior to commencing operation.
- (b) Temporary sources and emissions resulting from the construction phase of a new source are exempt from paragraphs (iv), (v) and (vi) of this Section.

6.3 AUTHORITY TO CONSTRUCT CONTENTS

- (a) An Authority to Construct for a new major stationary source or major modification shall contain terms and conditions:
 - (i) which ensure compliance with all applicable requirements and which are enforceable as a legal and practical matter.
 - (ii) sufficient to ensure that the major stationary source or major modification will achieve LAER in accordance with paragraphs (b) and (c) of this Section.
- (b) A new major stationary source shall achieve LAER for each nonattainment pollutant for which the source is classified as major.
- (c) A major modification shall achieve LAER for each nonattainment pollutant for which the modification would result in a significant net emissions increase. This requirement applies to each proposed emissions unit at which a net emissions increase in the nonattainment pollutant would occur as a result of a physical change, or change in the method of operation of the emissions unit.

6.4 AUTHORITY TO CONSTRUCT – FINAL DECISION

- (a) Prior to making a final decision to issue an Authority to Construct for a new major stationary source or major modification, the APCO shall consider all written comments that are submitted within 30 days of public notification and all comments received at any public hearing(s) in making a final determination on the approvability of the application and the appropriate Authority to Construct conditions. The District shall make all comments available, including the District’s response to the comments, for public inspection in the same locations where the District made preconstruction information relating to the proposed source or modification available.
- (b) The APCO shall deny any application for an Authority to Construct if she/he finds the new source or modification would not comply with the standards and requirements set forth in District, state, or federal rules or regulations.

- (c) The APCO shall make a final decision whether to issue or deny the Authority to Construct after determining that the Authority to Construct will or will not ensure compliance with all applicable emission standards and requirements.
- (d) The APCO shall notify the applicant in writing of the final decision and make such notification available for public inspection at the same location where the District made preconstruction information and public comments relating to the source available.

6.5 PERMIT TO OPERATE

The applicable terms and conditions of an issued Authority to Construct shall be included in any Permit to Operate subsequently issued by the APCO for the same emission units.

7 SOURCE OBLIGATIONS

7.1 ENFORCEMENT

Any owner or operator who constructs or operates a source or modification not in accordance with the application submitted pursuant to this rule, any changes to the application as required by the APCO, or the terms of its Authority to Construct or Permit to Operate, shall be subject to enforcement action.

7.2 TERMINATION

Approval to construct shall terminate if construction is not commenced within eighteen months after receipt of such approval, if construction is discontinued for a period of eighteen months or more, or if construction is not completed within a reasonable time. The APCO may extend the 18-month period once upon a satisfactory showing of good cause why an extension is justified. This provision does not apply to the time period between construction of the approved phases of a phased construction project; each phase must commence construction within eighteen months of the projected and approved commencement date.

7.3 COMPLIANCE

Approval to construct shall not relieve any owner or operator of the responsibility to comply fully with applicable provisions of the SIP and any other requirements under local, state, or federal law.

7.4 RELAXATION IN ENFORCEABLE LIMITATIONS

At such time that a particular stationary source or modification becomes a major stationary source or major modification solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the stationary source or modification to emit a pollutant, then the requirements of this rule shall apply to the stationary source or modification as though construction had not yet commenced on the stationary source or modification.

8 PUBLIC PARTICIPATION

After the APCO has made a preliminary written decision to issue an Authority to Construct for a new major stationary source or major modification, as specified in Sections 6.1 and 6.2, the APCO shall:

- (a) Publish, in at least one newspaper of general circulation in the District, a notice stating the preliminary decision of the APCO, noting how pertinent information can be obtained, including how the public can access the information specified in Section 8(b), and inviting written public comment for a 30-day period following the date of publication. The notice shall include the time and place of any hearing that may be held, including a statement of procedure to request a hearing (unless a hearing has already been scheduled).
- (b) No later than the date the notice of the preliminary written determination is published, make available in at least one location in each region in which the proposed source would be constructed, a copy of all materials the applicant submitted, a copy of the preliminary decision, a copy of the proposed Authority to Construct and a copy or summary of other materials, if any, considered in making the preliminary written decision.
- (c) Send a copy of the notice of public comment to the applicant, EPA Region 9, any persons requesting such notice and any other interested parties such as: any other state or local air pollution control agencies, the chief executives of the city and county where the source would be located; any comprehensive regional land use planning agency, and any state, Federal Land Manager, or Indian governing body whose lands may be affected by emissions from the source or modification.
- (d) Provide opportunity for a public hearing for persons to appear and submit written or oral comments on the air quality impact of the source, alternatives to it, the control technology required, and other appropriate considerations, if in the APCO's judgment such a hearing is warranted. The APCO shall give notice of any public hearing at least 30 days in advance of the hearing.

9 PLANT-WIDE APPLICABILITY LIMITS (PAL)

The APCO shall issue a Plant-wide Applicability Limit (PAL) permit according to the provisions contained in 40 CFR 51.165(f)(1) through (14). The provisions of 40 CFR 51.165(f)(1) through (14), are hereby incorporated by reference.

10 INVALIDATION

If any provision of this rule or the application of such provision to any person or circumstance is held invalid, the remainder of this rule or the application of such provision to persons or circumstances other than those as to which it is held invalid, shall not be affected thereby.

11 EFFECTIVE DATE FOR REFERENCED FEDERAL REGULATIONS

All references and citations in this rule to Title 40 of the Code of Federal Regulations (CFR) refer to the referenced federal regulation as in effect on March 12, 2019.

10-13-77

RULE 507 Provision of Sampling and Testing Facilities. The Air Pollution Control Officer may, upon reasonable written notice, require the owner or operator of any article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants, or the use of which may eliminate, reduce, or control the issuance of air contaminants, to:

- A. Provide to the Air Pollution Control Officer data on process and production rates and techniques, flow diagrams, descriptions of basic equipment and control equipment, rates of emissions and other information which the Air Pollution Control Officer may require.
- B. Provide and maintain such facilities as are necessary for sampling and testing purposes in order to secure information that will disclose the nature, extent, quantity or degree of air contaminants discharged into the atmosphere from the equipment in question. In the event of such a requirement, the Air Pollution Control Officer shall notify the applicant in writing of the required size, number and location of sampling holes, the size and location of the sampling platform, and the utilities shall be constructed in accordance with the general industry safety orders of the State of California.
- C.
 1. Provide and maintain sampling and monitoring apparatus to measure emissions of air contaminants when the Air Pollution Control Officer has determined that such apparatus is available and should be installed.
 2. A person installing, operating or using any of the following equipment shall provide, properly install, maintain in good working order, and in operation, continuous stack monitoring systems as described below:
 - a. Oxides of nitrogen (NO_x) and carbon dioxide (CO_2) or oxygen (O_2) from steam generators with a heat input of 63 million kilogram calories (250 million British Thermal Units) or more per hour and with a use factor of at least 30 percent.
 - b. NO_x from all new nitric acid plants.
 - c. Sulfur dioxide (SO_2) from sulfuric acid plants, sulfur recovery plants, carbon monoxide (CO) boilers of regenerators of fluid catalytic cracking units, new fluid cokers and existing fluid cokers with a feed rate greater than 1,590,000 liters (10,000 barrels) per day.

10/13/77

3. A person operating or using a stack-monitoring system shall, upon written notice from the Air Pollution Control Officer, provide a summary of the data obtained from such systems. This summary of the data shall be in the form and the manner prescribed by the Air Pollution Control Officer. The summary of data shall be available for public inspection at the office of the Air Pollution Control District.

Records from the monitoring equipment shall be kept by the owner for a period of two years, during which time they shall be available to the Air Pollution Control Officer in such form as he directs.

4. A violation of emission standards of these Rules, as shown by the stack-monitoring system, shall be reported by such person to the Air Pollution Control Officer within 96 hours.
 5. In the event of a breakdown of monitoring equipment, the owner shall notify the Air Pollution Control Officer within 48 hours and shall initiate repairs. The owner shall inform the Air Pollution Control Officer of the intent to shut down any monitoring equipment at least 24 hours prior to the event.
 6. The Air Pollution Control Officer shall inspect, as he determines to be necessary, the monitoring devices required by this Rule to ensure that such devices are functioning properly.
- D. The Air Pollution Control District may require that disclosures required by this Rule be certified by a professional engineer registered in the State. Studies necessary to provide such information shall be at the expense of the person causing the emissions.

Rule 513 SOURCE RECORDKEEPING AND EMISSION STATEMENT

(Adopted 6/26/18)

RULE 513 CONTENTS

- 1 PURPOSE
- 2 APPLICABILITY
- 3 REQUIREMENTS
- 4 ADMINISTRATIVE REQUIREMENTS

Rule 513

- 1 PURPOSE:** This Rule establishes the requirements for the submittal from specified stationary sources in accordance with the requirements of the 1990 Clean Air Act [Section 182(a)(3)(B)].
- 2 APPLICABILITY:** The requirements of this Rule are applicable to any stationary source which emits or may emit oxides of nitrogen (NO_x) or reactive organic compounds (ROCs).
- 3 REQUIREMENTS**
 - 31** The owner or operator of any stationary source that is subject to this Rule shall provide the Calaveras County Air Pollution Control District (DISTRICT) with a written emissions statement showing actual emissions or operational data allowing the DISTRICT to estimate actual emissions from that source.
 - 32** The emissions statement shall be on a form or in a format specified by the APCO and shall contain emissions data for the time period specified by the APCO. Emissions statements shall be submitted annually.
- 4 ADMINISTRATIVE REQUIREMENTS**
 - 41** The APCO may waive the requirements of Section 3 of this Rule to any class or category of stationary sources which emit less than 25 tons per year of NO_x or ROCs if the DISTRICT provides the California Air Resources Board with an emissions inventory of sources emitting greater than 10 (ten) tons per year of NO_x or ROCs. Emissions calculations shall be based on emission factors approved by the Air Pollution Control Officer (APCO) and established by the EPA or other methods acceptable to the EPA.
 - 42** All official documents submitted to the DISTRICT shall contain a certification signed and dated by a responsible official of the company attesting that the information contained in the submitted documents is accurate to the best knowledge of the individual certifying the submission. The requirements of this Section apply to, but are not limited to, the emissions statement required in Section 3 of this Rule.

BOARD OF SUPERVISORS, COUNTY OF CALAVERAS
STATE OF CALIFORNIA
May 26, 2020

Resolution
No. 20200526r056

ADOPT OZONE EMERGENCY EPISODE PLAN

WHEREAS, the Calaveras County Board of Supervisors is acting as the Calaveras County Air Pollution Control District Board; and,

WHEREAS, Calaveras County has been designated nonattainment for the 2015 8-hour Ozone National Ambient Air Quality Standard; and,

WHEREAS, federal ozone nonattainment areas are required to adopt State Implementation Plan (SIP) Elements pursuant to Section 110(a) of the federal Clean Air Act (CAA); and,

WHEREAS, an Ozone Emergency Episode Plan (OEEP) is one of several SIP Elements required to be adopted by the Calaveras County Air Pollution Control Board in fulfillment of the CAA; and,

WHEREAS, Section 110(a)(2)(G) of the CAA provides authority of emergency powers to the U.S. Environmental Protection Agency (EPA) Administrator to restrain any source from causing or contributing to emissions that present imminent and substantial endangerment to public health or welfare, or to the environment; and,

WHEREAS, pursuant to the CAA authority, EPA promulgated regulations for emergency episodes to clarify requirements related to emergency episode contingency planning, which are codified in the Code of Federal Regulations (CFR) at 40 CFR Part 51, Subpart H (Sections 51.150 through 51.153); and,


WHEREAS, 40 CFR Section 51.150 requires nonattainment areas that have had ozone concentrations above 0.10 parts per million (ppm) over a 1-hour period to implement an emergency episode plan to prevent ambient ozone concentrations from reaching the Significant Harm level of 0.60 ppm, averaged over a 2-hour period; and,

WHEREAS, Calaveras County's ozone monitor in San Andreas has recorded 1-hour ozone concentrations greater than 0.10 ppm twice in the last five years; and,

WHEREAS, the Calaveras County Air Pollution Control District has worked with EPA and the California Air Resources Board (CARB) in the development of the proposed OEEP to meet all applicable federal requirements; and

WHEREAS, following a 30-day public notice on April 24 2020, and public hearing held on May 26, 2020 to provide for public comment and adoption of the OEEP;

NOW, THEREFORE, BE IT RESOLVED by the Calaveras County Air Pollution Control Board, the proposed Ozone Emergency Episode Plan is hereby adopted.


Merita Callaway, District 3 Supervisor 5/26/2020

ATTEST


Rebecca Turner, Clerk-Recorder 5/26/2020



Calaveras County
Air Pollution Control District

891 Mountain Ranch Road, San Andreas, CA 95249
(209) 754-6399 FAX (209) 754-6722

CALAVERAS COUNTY
AIR POLLUTION CONTROL DISTRICT

Ozone Emergency Episode Plan

PREPARED IN COMPLIANCE WITH
THE FEDERAL CLEAN AIR ACT

December 2019

Purpose

This Ozone Emergency Episode Plan provides the basis for taking action to prevent ambient ozone concentrations from reaching levels which could endanger public health, or to abate such concentrations should they occur. It identifies criteria for the four levels of emergency episodes, components for public announcements whenever an episode has been identified, and specifies emission control strategies to be taken with each episode.

Legal Authority

The Federal Clean Air Act (CAA)¹ gives the U.S. Environmental Protection Agency (U.S. EPA) the legal authority to halt the emission of air pollutants causing or contributing to the injury of the public or their welfare. The U.S. EPA is further authorized to either bring a lawsuit in federal court or, if such civil action cannot assure prompt protection of public health or welfare, to issue such orders as may be necessary to protect public health, welfare, or the environment. The authority granted to the U.S. EPA Administrator is vested in the California Air Resources Board (CARB) and the air districts under the California Health & Safety Code (H&SC)². This section of California law applies to a range of emissions violations and imposes penalties that are equivalent to or exceed federal penalties for comparable violations. These penalties include the imposition of fines and/or imprisonment.

Under the authority of the H&SC, the CARB is responsible for controlling emissions from mobile sources, while districts are responsible for controlling emissions from non-mobile sources. H&SC Section 41700 states that sources are prohibited from emitting any pollutant(s) that can cause injury, detriment, nuisance, or annoyance to the public, or that endanger the comfort, repose, health, or safety of the public. Furthermore, H&SC Section 42450, et seq., gives districts specific authority to abate emissions from any source violating H&SC Section 41700 or any other order, rule, or regulation that prohibits or limits the discharge of pollutants, consistent with applicable notice and hearing requirements. Under H&SC Section 41509, CARB or other local agency rules cannot infringe upon a district's authority to declare, prohibit, or abate a nuisance, and California's Attorney General is authorized to enjoin any pollution or nuisance, either on his or her own, or by request.

In addition to the authority under H&SC, the local air districts can work with the local governing body of a city, county, or city and county, pursuant to the California Emergency

¹ Federal Clean Air Act Section 110(a)(2)(G)

² California Health & Safety Code Section 42400 et seq.

Services Act³, to proclaim a local emergency when there are conditions of disaster or of extreme peril to the safety of persons and property within the territorial limits of a city, county, or both a city and county, caused by such conditions as air pollution⁴. When a local emergency is declared, cities and counties shall implement their emergency plans and take actions to mitigate or reduce the emergency threat. Actions may include deploying field-level emergency response personnel such as law enforcement, activating emergency operation centers, and issuing orders to protect the public. Through a local emergency declaration, the air districts will obtain law enforcement aids from local governing bodies to accomplish necessary actions for preventing ambient ozone concentration from reaching the harmful level.

Requirement of a Plan for the Prevention of Air Pollution Emergency Episodes

Under the Code of Federal Regulations (CFR)⁵, areas that have hourly ozone concentrations above 0.10 parts per million (ppm) are classified as Priority I Regions and are required to develop a contingency plan which must, at a minimum, provide for taking action necessary to prevent ambient ozone concentrations at any location in such region from reaching the significant harm level of 0.60 ppm, averaged over two hours. As set forth in CFR, three trigger levels (stages) are established for the ozone pollution episodes: Alert level (0.2 ppm), Warning level (0.4ppm), and Emergency level (0.5 ppm)⁶. Corresponding actions for each specified trigger level would be identified and will be implemented when the ambient ozone hourly concentration measurements reach the specified trigger levels. These elements and actions should provide for rapid short-term emission reductions at each trigger level, to avoid high ozone concentrations from reaching significant harm levels during an episode.

Development of the Ozone Emergency Episode Plan for Calaveras County

Calaveras County is classified as non-attainment for the 2015 federal ozone eight-hour average standard. Since Calaveras County has had more than one day with the maximum one-hour concentration greater than 0.10 ppm between 2015 and 2017, the Calaveras County Air Pollution Control District (CCAPCD) is required to prepare an ozone emergency episode plan (Plan).

Developing a response plan to increasing ozone levels is highly dependent on the source of the ozone. The Final EPA Technical Support Document including Calaveras County https://www.epa.gov/sites/production/files/2018-05/documents/ca_tsd_combined_final_0.pdf uses a 5 point analysis to evaluate the ozone

³ California Emergency Services Act, California Government Code Section 8550-8668

⁴ California Government Code Section 8558 (c).

⁵ 40 CFR 51.150 and 51.151

⁶ 40 CFR 51 Appendix L

sources in counties. For Calaveras County, following is a summary of those factors.

Factor 1: Air Quality Data

Calaveras County was designated as a nonattainment area for ozone in 2008 and again in 2017 for the 2015 NAAQS standard based on data collected from the only official monitor in the county located near Gold Strike High School in San Andreas. The 2015 Federal NAAQS (National Ambient Air Quality Standard) for ozone is 0.070 ppm. The EPA defines a ‘design value’ (DV) as the 3 year rolling average of the highest 4 highest daily readings and compares that to the NAAQS for determining attainment compliance. Calaveras County’s design value is calculated as 0.077 ppm and therefore in nonattainment. However, for purposes of requiring an ozone response plan, any hourly value over 0.10 ppm triggers the requirement.

Table 1 shows the top three maximum hourly concentrations at the Calaveras County ozone monitoring site from 2015 through 2018. During this time, the maximum ozone one-hour concentration for all of those years was 0.111 ppm. 2015 had two days, June 12 and September 10, with one hour values exceeding 0.10 ppm. June 12 had 2 instances: 0.111 at 17:00 and 0.100 at 16:00. 2016 had no days, 2017 had one day with three one-hour maximum values over 0.10 ppm: (September 1, 2017 with 0.109 at 16:00, 0.107 at 17:00, and 0.104 at 15:00 hours. 2018 had one one-hour maximum day, August 2, exceeding 0.10 ppm. A value of 0.146 ppm in 1995 was the highest ever recorded maximum hourly concentration since data collection started in 1994.

Table 1
 Calaveras County Ozone Monitoring Site – Gold Strike
 Top Three Maximum one-hour Concentrations

		2015	2016	2017	2018
Max Conc.	Max	0.111	0.094	0.109	0.105
	2 nd Max	0.106	0.093	0.107	0.096
	3 rd Max	0.100	0.091	0.104	0.094

*Data downloaded from CARB’s Aerometric Data and Management (ADAM) system on 7/8/19

Factor 2: Emissions and Emissions Related Data

Ozone is not measured directly when determining emissions. The ozone precursor gases – Nox (Oxides of Nitrogen) and VOC (Volatile Organic Gases) – are reported instead. The EPA reviewed data from the 2014 National Emissions Inventory (NEI). For each county in the area of analysis, the EPA examined the magnitude of large sources defined as NOx or VOC emissions greater than 100 tons per year and the magnitude of county-level emissions

reported in the NEI. These county-level emissions represent the sum of emissions from the following general source categories: point sources, non-point (i.e., area) sources, non-road mobile, on-road mobile, and fires. Calaveras County has no sources that come under the EPA definition of large sources for NO_x or VOC. Due to the rural nature of the county, there are no NO_x or VOC stationary sources that emit over 25 tpy.

CARB maintains an emissions inventory and uses that to make projections regarding emissions in future years. For the baseline year of 2012, NO_x emissions were 2.8 tons per day (tpd) and ROG (Reactive Organic Gases) were 5.1 tpd. The 2020 emissions projection is 1.8 tpd for NO_x and 4.5 tpd for ROG. This represents a decrease of 35% and 10%, respectively. Table 2 lists stationary, areawide, and mobile source values for the 2020 projection.

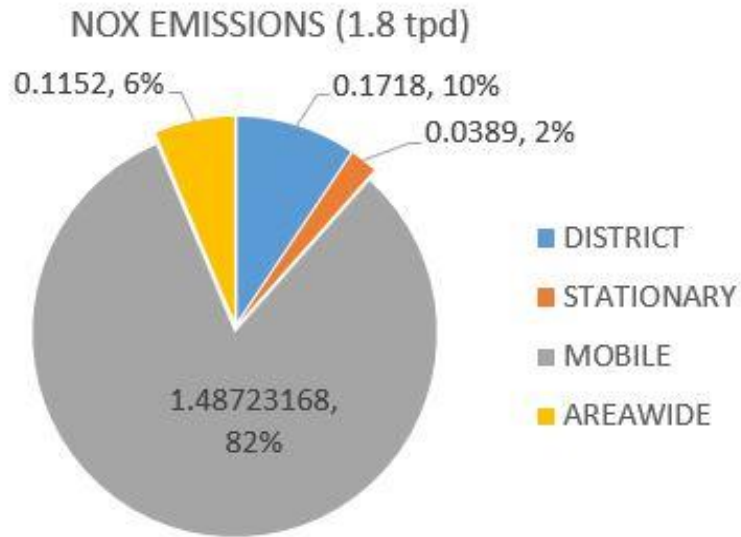
Table 2
 Based on 2016 SIP Emission Projection Data
 2020 Emission Projections for Calaveras County in tpd

STATIONARY SOURCES									
	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
FUEL COMBUSTION	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-
WASTE DISPOSAL	-	-	-	-	-	-	-	-	0.0
CLEANING AND SURFACE COATINGS	0.1	0.1	-	-	-	-	-	-	-
PETROLEUM PRODUCTION AND MARKETING	0.1	0.1	-	-	-	-	-	-	-
INDUSTRIAL PROCESSES	0.0	0.0	-	-	-	0.2	0.1	0.0	-
* TOTAL STATIONARY SOURCES	0.2	0.2	0.0	0.1	0.0	0.2	0.1	0.0	0.0
AREAWIDE SOURCES									
	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
SOLVENT EVAPORATION	1.3	1.3	-	-	-	-	-	-	0.0
MISCELLANEOUS PROCESSES	7.2	1.4	7.7	0.2	0.0	5.8	3.6	1.2	0.8
* TOTAL AREAWIDE SOURCES	8.6	2.7	7.7	0.2	0.0	5.8	3.6	1.2	0.9
MOBILE SOURCES									
	TOG	ROG	CO	NOX	SOX	PM	PM10	PM2.5	NH3
ON-ROAD MOTOR VEHICLES	0.6	0.5	3.3	1.0	0.0	0.1	0.1	0.0	0.0
OTHER MOBILE SOURCES	1.3	1.1	6.3	0.5	-	0.1	0.1	0.1	0.0
* TOTAL MOBILE SOURCES	1.9	1.7	9.6	1.5	0.0	0.2	0.1	0.1	0.0
GRAND TOTAL FOR CALAVERAS COUNTY APCD	10.7	4.5	17.4	1.8	0.0	6.1	3.9	1.3	0.9

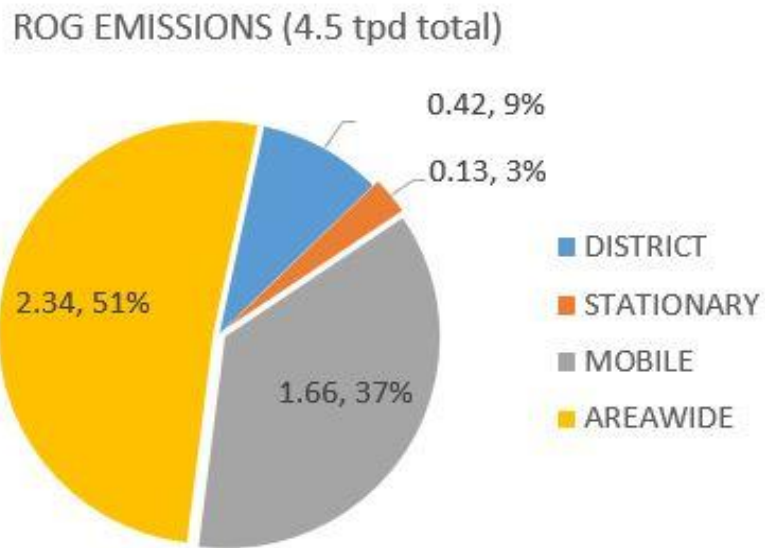
Data in Table 2 available at <https://www.arb.ca.gov/app/emsinv/2017/emssumcat.php>

The data in Table 2 is presented in the following charts. The majority of stationary source emissions come from facilities that are permitted by the district, and stationary sources are a small percentage of the total amount of emissions.

Figure 1
Ozone Precursor Emissions Comparison



Data taken from CARB 2020 Emissions Estimate



Data taken from CARB 2020 Emissions Estimate

Population and Traffic

Calaveras County had a 2015 population of approximately 45,000 people, with a 2% population decline during the 2010-2015 period. Calaveras County has no discrete population centers and the population density reflects that the county is generally rural. The western portion of Calaveras County, where the violating monitor is located, is more populated than the eastern portion of the county. The EPA evaluated the commuting patterns of residents, as well as the total vehicle miles traveled (VMT) for Calaveras County. In 2014, there were a total of 366 million VMT by 20,989 workers of which 4,953 (23.6%) commute.

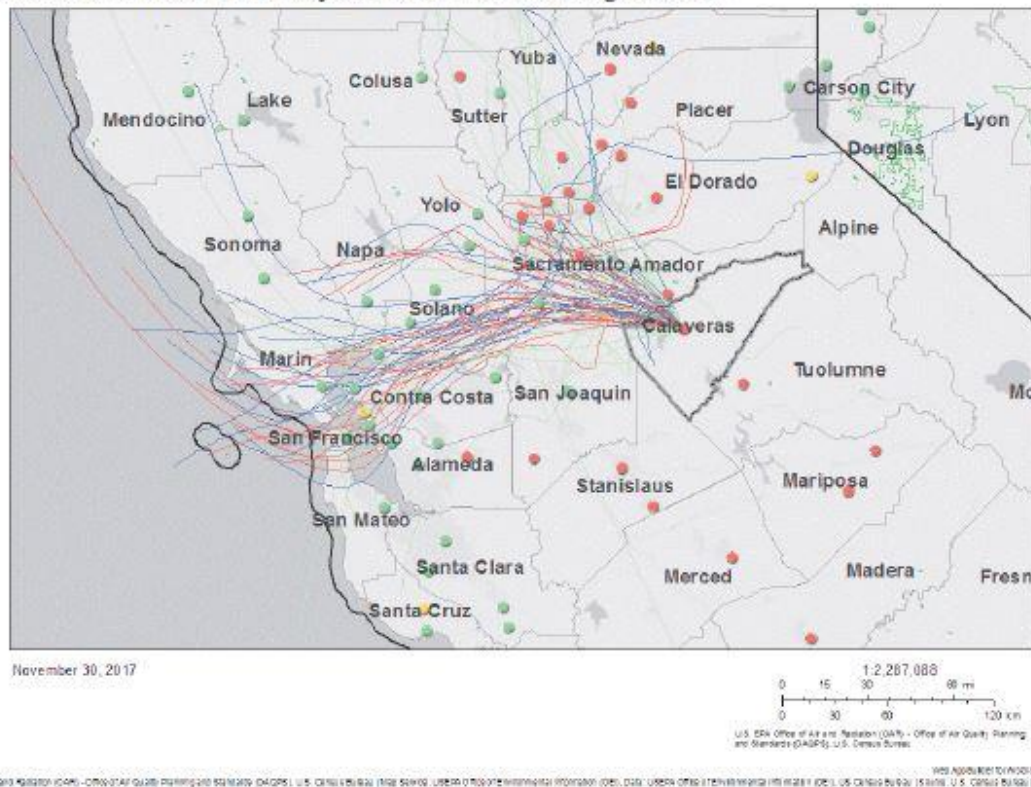
Factor 3: Meteorology

Evaluation of meteorological data helps to assess the fate and transport of emissions contributing to ozone concentrations and to identify areas potentially contributing to the monitored violations. In order to determine how meteorological conditions, including, but not limited to, weather, transport patterns, and stagnation conditions, could affect the fate and transport of ozone and precursor emissions from sources in the area, the EPA evaluated 2014-2016 HYSPLIT (HYbrid Single-Particle Lagrangian Integrated Trajectory) trajectories at 100, 500, and 1000 meters above ground level (AGL) that illustrate the three-dimensional paths traveled by air parcels to the violating monitor. Figure 5.6 shows the 24-hour HYSPLIT back trajectories for each exceedance day (i.e., daily maximum 8 hour values that exceed the 2015 ozone NAAQS) for the violating monitor.

The HYSPLIT back-trajectories include altitudes of 100 (red lines), 500 (green lines), and 1000 (blue lines) meters above ground level, respectively. Trajectories extend back in time 24 hours from 6 p.m. on the day of the exceedance. The EPA's intended nonattainment boundary for Calaveras County, CA is shown as a gray line with a dashed black center. Monitors are shown as red (violating), green (attaining), or yellow (invalid) dots based on 2014-2016 design values. Tribal land boundaries are outlined in green. The EPA's HYSPLIT analysis shows back trajectories for days exceeding the 2015 ozone NAAQS in 2014-2016 and generally flow from the west and northwest, suggesting emission transport primarily from the Sacramento and northern San Joaquin Valley areas and then through the western portion of Amador County. This is consistent with local topography.

Figure 2

Figure 5.6 HYSPLIT Back Trajectories for the Violating Monitor.



Factor 4: Geography/Topography

Calaveras County is in the foothills and mountains of the Sierra Nevada mountain range. Elevations increase from about 200 feet (61 meters) above mean sea level in the west to over 8,000 feet (2400 meters) in the east. North-south flow between Amador and Calaveras counties is possible as there are fewer barriers to this transport pattern due to the weaker topographic relief in the western parts of both counties. Air flow in the west-east direction is relatively unimpeded along the area's river valleys, which extend well east into the interior of the county. Eastward transport of pollutants from the more urbanized areas to the west such as the Sacramento Metro and northern San Joaquin Valley areas is thus possible during conditions of upslope flow. Conversely, westward transport of locally-generated pollution is possible during nighttime downslope flow. Neighboring San Joaquin and Sacramento valleys can have temperature inversions from 2,000 to 2,500 feet (600 to 750 meters) above the valley floor to as high as 5,000 feet (1,500 meters). Ozone produced in the Sacramento and northern San Joaquin Valley and trapped under this inversion can reach fairly high into the mountain counties, or be advected there by daytime upslope flows. Previous assessments of transport by the California Air Resources Board have found a strong potential for ozone transport from the Sacramento and San Joaquin valleys up into

the mountain counties. Nighttime drainage flows reverse this, so some of this pollution, in combination with pollution generated in the mountain counties themselves, could be transported back into the valleys, with the potential for some carryover into subsequent days.

Factor 5: Jurisdictional Boundaries

Once the geographic extent of the violating area and the nearby area contributing to violations is determined, the EPA considered existing jurisdictional boundaries for the purposes of providing a clearly defined legal boundary to carry out the air quality planning and enforcement functions for nonattainment areas. The county to the immediate south of Calaveras County is Tuolumne County which is part of the Sonora CBSA (Core Based Statistical Area). To the west is the Stockton-Lodi CBSA, the easternmost portion of the San Jose-San Francisco-Oakland CSA (Combined Statistical Area), and the Modesto CBSA, part of the Modesto-Merced CSA. As previously noted, to the north is Amador County which is not part of a CSA or CBSA, and to the east is Alpine County which also is not part of a CSA or CBSA.

Conclusions for Ozone Sources within Calaveras County

The air quality monitor in Calaveras County indicates a violation of the 2015 ozone NAAQS based on the 2016 design value, therefore the EPA intends to include this county in the designated nonattainment area. Emissions and emission-related data show that Calaveras County has no large point sources, but some non-point sources (e.g., vehicles) from commuters within and outside the county. Meteorological data indicate the winds transporting ozone and ozone precursors during exceedance days are predominately from the west-northwest, suggesting emissions transport from the intended Sacramento Metro nonattainment area, and the northern portions of the intended San Joaquin Valley nonattainment area and also from Amador County. The complex topography and unimpeded air flow along the river valleys in Amador County may influence the fate and transport of emissions as well as the formation and distribution of higher ozone concentrations in this area. (This analysis taken from the EPA Technical Support Document and edited for clarity and brevity.)

Ozone Trigger Levels

Health Advisory Level

The CCAPCD proposes 0.15 ppm as a Health Advisory level to initiate emergency actions. The Health Advisory level (0.15 ppm) is lower than the Alert level (0.2 ppm), which is the lowest of three trigger levels required by the CFR. Table 3 includes the data for Calaveras County from 1994 – 2017. Table 3 includes the annual maximum one-hour ozone

concentration in ppm, the annual maximum 8 hour average in ppm, the days that exceed the current NAAQS, and the annual Design Value (D.V.) measured in Calaveras County since 1994, when air monitoring began. Figure 3 (next page) presents the same data in chart form and also contains a black line showing the proposed Health Advisory level at 0.15 ppm and a yellow trend line.

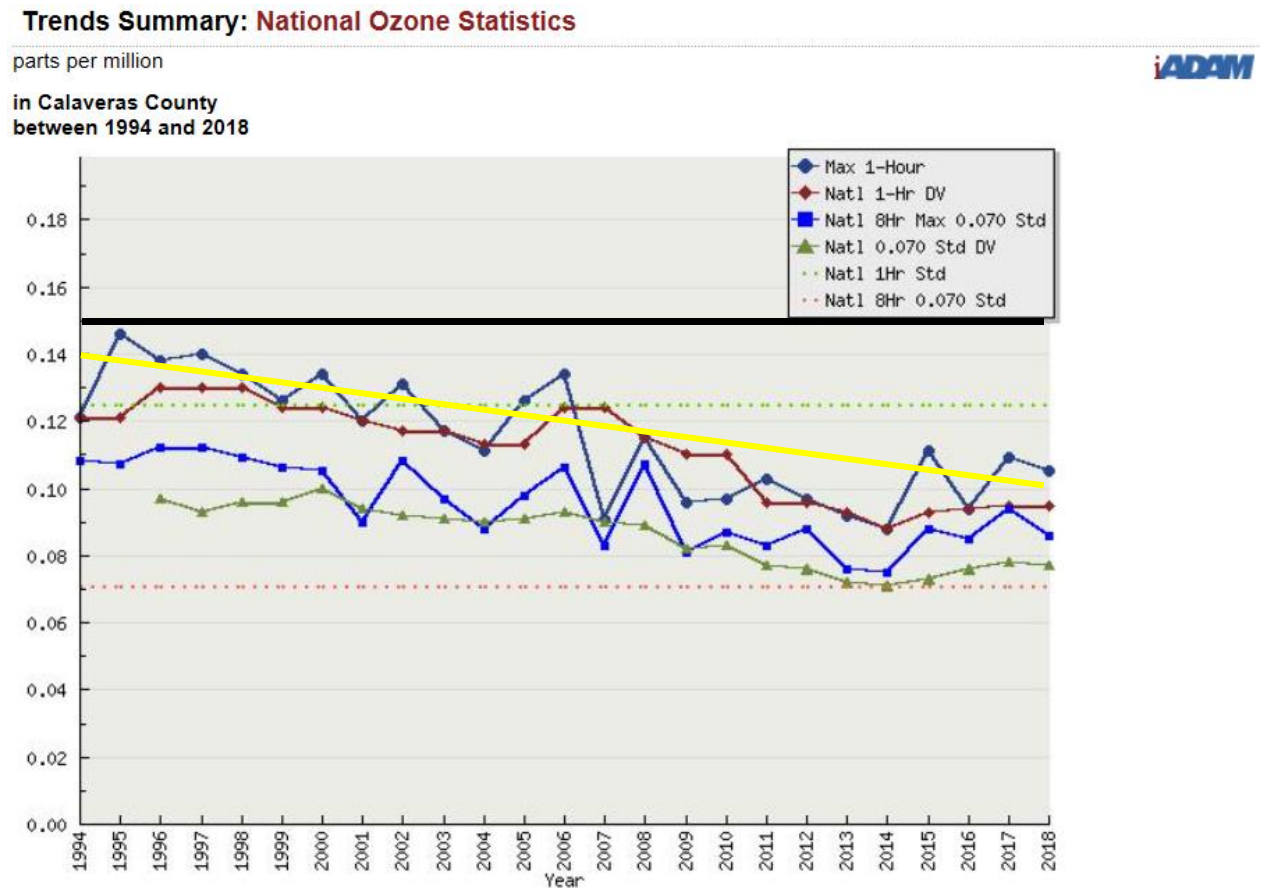
Table 3

Trends Summary: National Ozone Statistics												
in Calaveras County												iADAM
Year	Days/Max Days > Std			1-Hour Observations				8-Hour Averages				Year Coverage Range
	8-Hour Stds			Max.	EENED*		D.V.²	0.070 Std		0.075 Std		
	0.070	0.075	0.08		1-Yr	3-Yr		Max.	D.V.²	Max.	D.V.²	
2018	10/10	5/5	1/1	0.105	0.0	0.0	0.095	0.086	0.077	0.086	0.077	100 - 100
2017	12/12	4/4	2/2	0.109	0.0	0.0	0.095	0.094	0.078	0.094	0.078	97 - 97
2016	22/22	9/9	1/1	0.094	0.0	0.0	0.094	0.085	0.076	0.085	0.076	100 - 100
2015	18/18	11/11	2/2	0.111	0.0	0.0	0.093	0.088	0.073	0.088	0.073	100 - 100
2014	4/4	0/0	0/0	0.088	0.0	0.0	0.088	0.075	0.071	0.075	0.071	97 - 97
2013	2/2	1/1	0/0	0.092	0.0	0.0	0.093	0.076	0.072	0.076	0.072	100 - 100
2012	13/13	4/4	1/1	0.097	0.0	0.0	0.096	0.088	0.076	0.088	0.076	100 - 100
2011	11/11	3/3	0/0	0.103	0.0	0.0	0.096	0.083	0.077	0.083	0.077	99 - 99
2010	13/13	7/7	1/1	0.097	0.0	0.0	0.110	0.087	0.083	0.087	0.083	100 - 100
2009	31/31	9/9	0/0	0.096	0.0	0.0	0.110	0.081	0.082	0.081	0.082	100 - 100
2008	31/31	16/16	7/7	0.115	0.0	0.7	0.115	0.107	0.089	0.107	0.089	95 - 95
2007	14/14	6/6	0/0	0.091	0.0	1.0	0.124	0.083	0.090	0.083	0.090	98 - 98
2006	46/46	35/35	14/14	0.134	2.0	1.0	0.124	0.106	0.093	0.106	0.093	100 - 100
2005	44/44	25/25	8/8	0.126	1.0	0.3	0.113	0.098	0.091	0.098	0.091	100 - 100
2004	28/28	12/12	4/4	0.111	0.0	0.3	0.113	0.088	0.090	0.088	0.090	100 - 100
2003	66/66	42/42	18/18	0.117	0.0	0.3	0.117	0.097	0.091	0.097	0.091	98 - 98
2002	56/56	41/41	12/12	0.131	1.0	0.7	0.117	0.108	0.092	0.108	0.092	100 - 100
2001	45/45	21/21	5/5	0.120	0.0	0.7	0.120	0.090	0.094	0.090	0.094	99 - 99
2000	47/47	32/32	17/17	0.134	1.1	1.0	0.124	0.105	0.100	0.105	0.100	93 - 93
1999	65/65	53/53	18/18	0.126	1.0	1.0	0.124	0.106	0.096	0.106	0.096	99 - 99
1998	66/66	49/49	28/28	0.134	1.0	1.7	0.130	0.109	0.096	0.109	0.096	99 - 99
1997	32/32	13/13	4/4	0.140	1.0	1.7	0.130	0.112	0.093	0.112	0.093	99 - 99
1996	67/67	47/47	18/18	0.138	3.1	1.4	0.130	0.112	0.097	0.112	0.097	99 - 99
1995	57/57	41/41	19/19	0.146	1.0	*	0.121	0.107	*	0.107	*	99 - 99
1994	87/87	72/72	34/34	0.121	0.0	*	0.121	0.108	*	0.108	*	100 - 100

Graph



Figure 3



Annual Maximum one-hour/8 hr Ozone Concentration in Calaveras County since 1994

*Data downloaded from CARB ADAM on 7/31/2019

Figure 3 shows that the 0.2 ppm level has never been approached and the 0.15 level has never been reached. The ozone concentration trend shows a generally consistent decrease over time. Figure 3 also shows that the maximum ozone one-hour concentration in Calaveras County has been substantially reduced and would need an unprecedented ozone concentration to trigger the Alert level, and therefore initiate the ozone emergency episode plan implementation.

Ozone concentrations in Calaveras County have been substantially reduced through the implementation of existing control regulations and programs. The CCAPCD believes that the development and implementation of control regulations and programs identified by the ozone State Implementation Plans (SIP) will ensure that the ozone one-hour maximum concentrations in Calaveras County will continue decreasing, and would not reach the proposed Healthy Advisory level of 0.15ppm.

In addition, the CCAPCD also regulates various types of open burning, including residential, land development, fire hazard reduction, vegetation management, prescribed fire, and agricultural burning. For the Mountain Counties Air Basin, the District works cooperatively with the CARB and neighboring counties on the daily burn day information. Through the existing burn programs, the CCAPCD works carefully to balance the public health impacts from air pollution, along with the open burning activities which exist in the county, especially since much of the county is considered a high fire hazard area.

In conclusion, the CCAPCD believes that the proposed Health Advisory level at 0.15 ppm will be an appropriate and logical condition, in addition to the required ozone emergency episode levels set forth in the CAA, to initiate and fulfill the air pollution emergency episode actions proposed by the Plan.

Emergency Episode Criteria

Table 4 summarizes the four emergency episode trigger levels proposed by the CCAPCD for the one-hour ozone concentration measurement in Calaveras County. The following section identifies the corresponding actions for each trigger level, when that one-hour ozone concentration is reached.

Table 4
Trigger Levels of Ozone Emergency Episodes in Calaveras County

	Health Advisory	Alert (Stage 1)	Warning (Stage 2)	Emergency (Stage 3)
Ozone (one-hour average)	0.15 ppm	0.20 ppm	0.40 ppm	0.50 ppm

Proposed Actions for Ozone Emergency Episodes:

The actions identified for each trigger level of the ozone emergency episodes include public notification and emissions mitigation for industrial and mobile sources. The purposes of these actions are 1) to provide notification to the public when atmospheric stagnation conditions would result in substantially high ozone concentration measurements, and 2) to reduce the ozone precursor emissions rapidly in order to lower the ozone concentration below the triggered emergency episode level.

Emergency Episode Declaration

Whenever the ozone one-hour concentration Calaveras County, reaches or is predicted to reach any of the episode trigger levels as shown in Table 3, the CCAPCD shall declare that an emergency episode is in effect in Calaveras County.

In addition, should the Air Pollution Control Officer (APCO) of a district adjacent to the CCAPCD declare a stage 1, 2, or 3 episode within that district and request assistance, the APCO of CCAPCD may implement measures as described in this Plan as if such episode level has been measured within the District.

Notification of an Emergency Episode

The CCAPCD shall establish and periodically update and review an emergency episode notification list (List). When any emergency episode is declared, the APCO shall ensure notification of the officials on the List. The List shall include, and is not limited to, the following public agencies and organizations:

1. California Air Resources Board,
2. The Calaveras County Executive Officer, the Calaveras County Sheriff's Office, fire chiefs, and any other public safety officers as deemed appropriate by the APCO,
3. The Calaveras County Health Officer,
4. The Calaveras County Office of Emergency Services,
5. The Calaveras County Office of Education Superintendent, school districts' superintendents , and private schools' principals,
6. All air pollution control districts within the Southern Mountain Counties as well as all upwind districts.
7. Major newspapers in daily circulation and major television and radio stations (including those who are part of the emergency broadcast system) broadcasting within Calaveras County for appropriate warning, notices, and advisories. This notification includes online services.
8. CCAPCD and/or County Staff who are responsible for public outreach.

Content of Notification

Notification of an emergency episode shall include information on the predicted or current episode level, the expected duration of the episode, the expected geographic boundaries of the affected area, a statement for the public on the health significance of the air quality during the episode, and the appropriate voluntary or mandatory control actions proposed for each episode level.

Termination of an Emergency Episode

The CCAPCD shall declare an episode as terminated when the one-hour ozone concentration measurements from the monitor within Calaveras County fall below the level of the Alert episode and the meteorological data indicates the ozone concentration is expected to continue decreasing.

Notification of the Termination of an Episode

Upon the declaration of the termination of an episode, the CCAPCD shall ensure notification of those agencies and organizations specified in the List.

Actions for Each Emergency Episode

When an emergency episode is declared, the CCAPCD shall implement the following control actions:

1. Health Advisory Episode:
 - a) Prepare the emergency episode notification;
 - b) Ensure notification of those public agencies and organizations identified in the List that a health advisory episode has been declared;
 - c) Ensure the Calaveras County Office of Education Superintendent has been advised that sustained strenuous activities by students (for both public and private schools) lasting longer than one hour should be discontinued;
 - d) In conjunction with the Calaveras County Office of Emergency Services, notify the news media to broadcast the appropriate warning to the public, which will include a recommendation that the public curtail unnecessary motor vehicle operation;
 - e) Work with the industry to identify targeted permitted facilities with possible emission control actions to reduce ; and
 - f) Coordinate with the Calaveras County Office of Emergency Services to identify possible actions which shall be taken when Calaveras County declares a local emergency for an air pollution emergency, which might include, for example, ceasing painting, construction, lawn mowing, pesticide application, and charcoal grilling.

2. Alert (Stage 1) Episode:
 - a) Prepare the emergency episode notification;
 - b) Ensure notification of those public agencies and organizations identified in the List that an Alert episode has been declared;
 - c) Request the Calaveras County Office of Education Superintendent contact the School Superintendents and coordinate with private schools, to suspend students' strenuous activities;

- d) Through the Calaveras County Office of Emergency Services, notify the news media to broadcast the appropriate warning to the public, which will include a request that the public to curtail any unnecessary motor vehicle operation;
 - e) Request all industrial permitted facilities to initiate specified emission control actions to reduce relative emissions. These actions include reduce or curtail production; allow workers to telecommute, and to recommend employees at government and private industries refrain from using their vehicles until the episode is terminated;
 - f) Conduct on-site inspection of targeted facilities to ascertain accomplishment of applicable emission control actions; and
 - g) Prohibit all open burning, including agricultural burning, and incineration throughout the affected area, except in an emergency situation as provided for in Section 41862 of the H&SC.
3. Warning (Stage 2) Episode:
In addition to the actions associated with the Stage 1 Alert episode, the following actions should be implemented in a Warning episode.
- a) Request that those agencies and organizations in the List, within the scope of their authority:
 - i. Prohibit all types of open burning, including agricultural waste;
 - ii. Close all non-essential public agency facilities, except emergency facilities and those facilities necessary in emergencies to protect national security or national defense; and
 - iii. Request that employees of closed non-essential public agency facilities refrain from using vehicles until the episode is terminated.
 - b) Request closure of all public and private schools, colleges, and universities within Calaveras County;
 - c) Request permitted facilities to shut down;
 - d) Conduct on-site inspection of industrial permitted facilities to ascertain the accomplishment of applicable emission control actions;
 - e) Request that employees of facilities that do close refrain from using vehicles until the episode is terminated;
 - f) Request the suspension of all indoor and outdoor events at parks or recreational facilities open to the public;
 - g) Request the suspension of all scheduled athletic events; and
 - h) Request that the Calaveras County Executive Officer and Health Officer consider declaring a local emergency for air pollution and implement emergency control measures, pursuant to the California Emergency Services

Act, when the ambient ozone concentration continues rising and reaches the level at 0.45 ppm.

4. Emergency (Stage 3) Episode:

In addition to the actions associated with the Stage 2 Warning episode, the following actions should be implemented in the Emergency episode.

- a) Request that the Calaveras County Executive Officer declare a local emergency for air pollution and initiate its emergency operations plan;
- b) Request the media to broadcast to the public that a local emergency exists for air pollution, due to high ozone concentrations;
- c) Through the Calaveras County Office of Emergency Service operations, the following actions shall be conducted as necessary, but are not limited to:
 - i. Close all government facilities which are not immediately necessary for public health and safety, national security or national defense;
 - ii. Close all recreational facilities, including but not limited to those servicing boating and off-road vehicles;
 - iii. Close all non-emergency commercial and industrial facilities;
 - iv. Request implementation of emergency carpooling, or the use of mass transportation;
 - v. Request that the public use only mass transit; and
 - vi. Hospitals within the affected area shall be notified of the alert level to prepare for the possible increase in the number of patients seeking treatment.
- d) Close principal streets, as deemed necessary by the Calaveras County Executive Officer, Health Officer, APCO, and local law enforcement agencies, in order to protect the health and welfare of the general public;
- e) Request that the Calaveras County Office of Emergency Services engage with the State agency for necessary actions pursuant to the California Emergency Services Act, which includes prohibiting the use of all motor vehicles except for emergencies, or any other action deemed warranted;
- f) Restrict all non-essential construction and painting; and
- g) Restrict all lawn care and mowing activities and stop the use of lawn and garden chemicals.

The CCAPCD commits to implementing the proposed actions associated with each episode identified in this Plan. The implementation of the Plan shall prevent the ambient ozone concentration from reaching the harmful level at 0.60 ppm.