

Rule 430—State New Source Review (NSR)

(Draft October 14, 2010)

*(Adopted January 4, 1972, July 26, 1979; Recodified August 6, 1985; Amended January 12, 1993;
Recodified August 22, 2002; ~~Amended September 28, 2006~~)*

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RULE 430

1 PURPOSE:

1.1 ~~1.1~~—The purpose of this Rule is to establish pre-construction review requirements for new and modified stationary sources of air pollution for use of Best Available Control Technology (BACT), offsets, analysis of air quality impacts, ~~and~~ to ensure that the operation of such sources does not interfere with the attainment or maintenance of ambient air quality standards, and all other applicable District Rules and Regulations.

1.2 ~~1.2~~—This rule regulates all non-attainment pollutants for both major and minor sources and all other attainment or unclassifiable pollutants for State purposes. New major sources and major modifications at major sources are also subject to Rule 432-Federal New Source Review.

1.3 This Rule shall provide for no net increase in emissions, pursuant to Section 40918 of the California Health & Safety Code (HSC), from new or modified stationary sources which emit, or have the potential to emit, 25 tons per year or more of any non-attainment pollutant or its precursors.

2 APPLICABILITY:

2.1 This Rule shall apply to all new and modified stationary sources which are subject to Butte County Air Quality Management District (DISTRICT) ~~permit requirements~~ Rule 400-Permit Requirements and, after construction, emit or may emit any affected ~~pollutants~~. ~~This Rule shall apply to any application for an Authority to Construct which is deemed complete after the effective date pollutant.~~

2.2 ~~3~~—The regulations in effect at the time of any application for an Authority to Construct for a new or modified source is deemed complete shall apply to that source, except when a new federal requirement not yet incorporated in this Rule applies to the new or modified source.

2.3 The provisions of Sections 5.1 and 5.2 are not applicable to portable, temporary or replacement emissions units unless the units are major sources.

3 EFFECTIVE DATE: This Rule shall become effective ~~January 12, 1993~~ upon the date of adoption.

4 DEFINITIONS: ~~For~~ Unless otherwise defined below, the purposes of terms used in this Rule, are the following definitions shall apply ~~same as defined in Rule 101, Definitions:~~

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~~4.1~~ ~~4.1~~—~~Actual Emissions means the~~: ~~The actual rate of emissions~~ measured or estimated ~~emissions~~ which most accurately represent the emissions from an emissions unit.

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~~4.2~~ ~~4.2~~—~~Actual Emissions Reduction (AER) means a~~: ~~A~~ reduction in actual emissions from an emissions unit selected for emission offsets or banking. Actual emissions reductions shall be calculated pursuant to Section 6 of this Rule and ~~meet the following criteria~~:~~shall be real, enforceable, quantifiable, surplus, and permanent.~~

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~~4.2.1~~—~~Actual emission reductions shall be real, enforceable, quantifiable, Ambient Air Quality Standards: Health and permanent.~~

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~~4.2.2~~—~~Actual emission reductions shall be in excess of any emission reduction which is:~~

~~4.2.2.1~~—~~required or encumbered~~welfare-based standards set by any laws, rules, regulations, or orders; or

~~4.2.2.2~~—~~attributed to a control measure noticed for workshop, or proposed or contained in a State implementation plan; or,~~

~~4.2.2.3~~—~~contained as near term measures in the adopted DISTRICT Air Quality Attainment Plan for attaining annual reductions required for the California Clean Air Act (CCAA).~~

~~4.2.3~~—~~Actual emission reductions attributed to a proposed control measure may be re-eligible as actual emission reductions in the following circumstances:~~

~~4.2.3.1~~—~~for control measures identified in the DISTRICT's Air Quality Attainment Plan or State Implementation Plan, if no rule has been adopted within two (2) years from the scheduled adoption date, provided, however, the Air Pollution Control Officer (APCO) has not extended the scheduled adoption date;~~

~~4.2.3.2~~—~~for control measures not identified in the DISTRICT's Air Quality Attainment Plan or State Implementation Plan, if no rule has been adopted within two (2) years from the date of the latest public workshop notice.~~

~~4.3~~—~~Affected Pollutant~~ means an air pollutant for which an ambient air quality standard has been established by the United States Environmental Protection Agency (EPA) or the California Air Resources Board (CARB), the precursors to such and/or the U.S. Environmental Protection Agency for outdoor air which identify the maximum acceptable average concentrations of air pollutants, and those substances regulated by EPA or CARB, or listed under Section 5.1 of this Rule.

~~4.3~~ ~~4.4~~—~~Ambient Air Quality Standards~~ means those ambient air quality standards which include during a specific period of time. There are both

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federal and State ambient air quality standards. For purposes of applicability of this Rule to the State Implementation Plan (SIP), all references to ambient air quality standards shall be interpreted as National Ambient Air Quality Standards. For the purposes of applicability of this Rule to the DISTRICT's Air Quality Attainment Plan, all references to ambient air quality standards shall be interpreted as State Ambient Air Quality Standards.

4.4 4. Baseline Actual Emissions (Historic Actual Emissions): Actual emissions of an existing emissions unit averaged over the two (2) year period immediately preceding the date of application, unless:

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4.4.1 If the last two (2) years are unrepresentative of normal operations as determined by the APCO, then two (2) consecutive years of the last five (5) years, which are representative of normal operations as determined by the APCO, may be used; or

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4.4.2 Where an emissions unit has been in operation for less than two (2) years, a shorter averaging period of at least one (1) year may be used, providing it represents the full operational history of the emissions unit.

If, at any time during the specified period, actual emissions exceeded allowed emission levels, then actual emissions shall be reduced to reflect emission levels that would have occurred if in compliance with all applicable limitations and requirements.

4.5 Best Available Control Measures (BACM): Most effective measures for controlling small or dispersed particulates and other emissions from sources such as roadway dust, soot and ash from woodstoves and open burning of rush, timber, grasslands, or trash.

Best Available Control Technology (BACT) ~~means for any emissions unit, the more~~: The most stringent of:

4.6 ~~4.5.1~~ the most effective emission emissions limitation or control device, emission limit, or technique which has been required or used for the type of equipment comprising such emissions unit unless the applicant of the following:

4.6.1 Achieved in practice for such class and category of source; or

4.6.2 Contained in any SIP approved by the EPA for such class and category of source. A specific limitation or control technique shall not apply if the owner of the proposed emission unit demonstrates to the satisfaction of the APCO that such ~~limitations are not a~~ limitation or control is not presently achievable; or

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4.6.3 ~~4.5.2~~ any Contained in an applicable New Source Performance Standard; or

4.6.4 Any other emission control device or technique, alternative basic equipment, different fuel or process, determined to be

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technologically feasible and cost-effective by the APCO- for such a class or category of sources. The cost-effective analysis shall be performed in accordance with the methodology and criteria specified by the APCO.

~~Under no circumstances shall BACT be determined to be less stringent than the emission control required by any applicable provision of DISTRICT, State, or federal laws or regulations, unless the applicant demonstrates to the satisfaction of the APCO that such limitations are not achievable.~~

4.6

~~4.7 Complete Application means an:~~ An application that contains all information required by the DISTRICT to adequately evaluate the nature and extent of potential emissions of the new or modified emissions unit proposed for use ~~in accordance with a list of required information as adopted by the DISTRICT pursuant to Article 3, Sections 65940 through 65944 of Chapter 4.5, Division 1, Title 7 of the Government Codes~~ submitted in the manner and form prescribed by the APCO.

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~~4.8 4.7—Control Efficiency:~~ The percentage by which a control device or technique reduces emissions from an emissions unit.

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~~4.9 Contiguous Property means two:~~ Two or more parcels of land with a common boundary or separated solely by a public or private roadway or other public right-of-way.

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~~4.10 4.8—Cost-Effective means a:~~ A cost per pound of emission reduction which is deemed to be acceptable and feasible, on a pollutant and emissions unit basis, by the APCO.

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~~4.11 4.9—Daily Emissions Limitation means one:~~ One or a combination of permit conditions specific to an emissions unit which restricts its maximum daily emissions in pounds per day, at or below the emissions associated with the maximum design capacity. A daily emissions limitation must be:

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~~4.11.1 4.9.1~~ contained in the latest Authority to Construct and contained in or enforceable by the latest Permit to Operate for the emissions unit; and

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~~4.11.2 4.9.2~~ enforceable on a daily basis; and,

~~4.11.3 4.9.3~~ established pursuant to permitting action occurring after January 12, 1993 and used in the calculation of the net emissions change.

~~4.12 4.10—Emission Reduction Credits (ERCs):~~ Reductions of actual emissions from an emission unit that is certified by the District and banked in accordance with the requirements of Rule 430-Emission Reduction Credits.

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4.13 Emissions Unit ~~means an:~~ An identifiable operation or piece of process equipment such as an article, machine, or other contrivance which emits, may emit, or results in the emission of any affected pollutant directly or as fugitive emissions.

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4.14 ~~4.11~~ Enforceable: Verifiable and legally binding.

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4.15 Fluorides ~~means elemental:~~ Elemental fluorine and all fluoride compounds.

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4.16 ~~4.12~~ Fugitive Emissions ~~means these:~~ Those emissions which could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

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4.13 ~~Halogenated Hydrocarbons~~ means ~~1,1,1 trichloroethane, trichlorofluoromethane (CFC 11), dichlorodifluoromethane (CFC 12), chlorodifluoromethane (CFC 22), trifluoromethane (CFC 23), methylene chloride, trichlorotrifluoroethane (CFC-113), dichlorotetrafluoroethane (CFC-114), and chloropentafluoroethane (CFC-115):~~

~~4.14~~

4.17 Historic Emissions: The potential to emit of an existing emissions unit prior to modification. For a new emission unit, the historic emissions are equal to zero.

4.18 Impact Analysis ~~means an:~~ An air quality modeling analysis used to estimate the maximum ground level concentration of any pollutant subject to this Rule. Maximum ground level concentration added to background levels shall be compared to ambient air quality standards.

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~~4.15~~ Modification ~~means any~~

4.19 Interpollutant Offset: A precursor pollutant provided to offset a non-attainment pollutant.

4.20 Internal Emission Reductions: As reviewed and approved by the APCO, the sum of increases and decreases in actual emissions of a nonattainment pollutant at a stationary source that have occurred in the contemporaneous period starting five (5) years prior from the date the application for the project was submitted and provided:

4.20.1 An increase in actual emissions is only creditable to the extent the new level of actual emissions exceeds the old level.

4.20.2 A decrease in actual emission is only creditable to the extent that:

4.20.2.1 The old level of actual emissions or allowable emissions, if more stringent, exceeds the new level of actual emissions;

4.20.2.2 It is enforceable at the time the actual construction of the project begins;

4.20.2.3 It is surplus; and

4.20.2.4 It has approximately the same quantitative significance for public health and welfare as attributed to the increases from the proposed project.

4.21 Like-kind Equipment: Equipment that is identical in function, similar in design, has air contaminants of the same nature, and has capacity, production rate, and actual air contaminant emissions that are equal to or less than currently permitted equipment.

4.22 Lowest Achievable Emission Rate (LAER): The same as BACT as defined in this Rule.

4.23 Major Source: A stationary source which emits or has the potential to emit 100 tons per year (tpy) or more of nitrogen oxides, reactive organic compounds, or PM_{2.5}. In addition, any physical change occurring at a stationary source not otherwise qualifying as a major stationary source, which would constitute a major stationary source by itself, makes the source a major stationary source. The fugitive emissions of a stationary source shall not be included in determining whether the source is a major stationary source unless the source is a category source or sources included in 40 CFR 51.165.

4.24 Major Modification: A modification to a major stationary source which results in a significant emissions increase of the pollutant for which the source is classified as a major stationary source. Significant increases shall be determined as follows:

4.24.1 Carbon monoxide: 100 tpy;

4.24.2 Nitrogen oxides: 40 tpy;

4.24.3 Sulfur dioxide: 40 tpy;

4.24.4 Ozone: 40 tpy of VOCs or 40 tpy of nitrogen oxides;

4.24.5 PM₁₀: 15 tpy

4.24.6 PM_{2.5}: 15 tpy of direct PM_{2.5} emissions or 40 tpy of sulfur dioxide emissions or 40 tpy of nitrogen oxide emissions

4.24.7 Lead: 0.6 tpy.

4.25 Modification: Any physical change or operational change to an existing emissions unit, including changing hours of operation or production rate, which would necessitate a change in permit conditions. A modification to a stationary source shall include any modification of its permitted emissions units or addition of any new emissions units. A reconstructed stationary source shall be treated as a new stationary source and not as a modification. A modification also occurs when there is an increase of emissions from an emissions unit which is not subject to a daily emissions limitation. The following shall not be considered a modification:

4.25.1 ~~4.15.1~~ Routine maintenance or repair.

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~~4.25.2~~ ~~4.15.2~~—A change in ownership.

~~4.15.3~~—Replacement of an existing emissions unit, part of an emissions unit, or emissions control device with an identical (the same in all respects except for the serial number) piece of equipment resulting in emissions less than or equal to those from the original equipment or device and not requiring a change in permit conditions.

~~4.25.3~~ ~~4.16~~—A replacement source.

4.26 Net Air Quality Benefit means a: A net improvement in air quality resulting from actual emissions reductions impacting the same general area affected by the new or modified source.

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4.27 4.17 Non-attainment Pollutant means any: Any pollutant, as well as any precursors of such pollutant, which has been designated non-attainment by EPA in the Federal Register, or which has been designated non-attainment by CARB pursuant to HSC Section 39607.

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4.28 4.18 PM 10 means particulate **Offset:** An emission reduction that compensates for an increase in an affected pollutant from a new or modified stationary source subject to the requirements of Section 5.2.

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4.29 Permanent: Actual emission reductions that continue or endure for the duration of any project utilizing the resulting ERCs as offsets.

4.30 PM10: Particulate matter with aerodynamic diameter smaller~~er~~ less than or equal to a nominal 10 microns as measured by an applicable reference test method, or methods found in Article 2, Subchapter 6, Title 17, California Code of Regulations (commencing

4.31 PM2.5: Particulate matter with Section 94100) an aerodynamic diameter less than or equal to 2.5 microns.

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4.32 4.19 PM2.5 Nonattainment Area: The portion of Butte County which lies west of the line described as follows: (Mount Diablo Base and Meridian) Beginning at the intersection of the Butte-Yuba county line and the township line common to T18N R6E and T19N R6E, west to the township line common to T18N R6E and T19N R6E, then north along the range line common to R5E and R6E, then west along the township line common to T21N and T20N, then north along the range line common to R4E and R5E, then west along the township line common to T24N and T23N to the Butte-Tehama County boundary.

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4.33 Potential to Emit means the: The maximum daily capacity of an emission unit to emit a pollutant under its physical and operational design. Any

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physical or operational limitation on the daily capacity of the unit to emit a pollutant, including pollution control equipment and restrictions in hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design only if the limitation or the effect it would have on daily emissions is incorporated into the applicable permit as an enforceable permit condition.

4.204.34 Precursor means a: A directly-emitted pollutant that, when released to the atmosphere, forms, or contributes to the formation of a secondary pollutant for which an ambient air quality standard has been adopted. The following precursor relationships shall be used:

<u>PRECURSOR</u>	<u>SECONDARY AIR</u>
Reactive organic compounds	a. Photochemical oxidants (ozone) b. The organic fraction of PM 10
Nitrogen oxides	a. Nitrogen dioxide b. The nitrate fraction of PM 10 c. Photochemical oxidants (ozone)
Sulfur oxides	a. Sulfur dioxide b. Sulfates c. The sulfate fraction of PM 10

<u>4.21</u> <u>PRECURSOR</u>	<u>SECONDARY AIR</u>
<u>Reactive organic compounds</u>	<u>Photochemical oxidants (ozone)</u> <u>The organic fraction of PM10</u>
<u>Nitrogen oxides</u>	<u>Nitrogen dioxide</u> <u>The nitrate fraction of PM10</u> <u>and PM2.5</u> <u>Photochemical oxidants (ozone)</u>
<u>Sulfur oxides</u>	<u>Sulfur dioxide</u> <u>Sulfates</u> <u>The sulfate fraction of PM10</u> <u>and PM2.5</u>

4.35 Project: All emissions units associated with the scope of an application submitted in accordance with Rule 400 for new or modified stationary sources including any emissions units indirectly affected.

4.36 Proposed Emissions: The potential to emit for a new or post-modified

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emissions unit.

4.37 Quantifiable: Ability to reliably and replicably estimate emission reductions in terms of their amount and characteristics.

4.38 Reactive Organic Compound or Reactive Organic Gas (ROC or ROG) ~~means any~~: Any organic chemical compound containing at least one atom of carbon, except methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonates, and halogenated hydrocarbons having a high enough vapor pressure under normal conditions to significantly vaporize into the earth's atmosphere, excluding any Exempt Compound as defined in District Rule 101, Definitions.

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4.39 4.22 Real: Actually occurring, implemented, and not artificially devised.

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4.40 Reasonably Available Control Technology (RACT): The lowest emission limitation that a particular source is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility.

4.41 Reconstructed Source ~~means any~~: Any source undergoing physical modification where the fixed capital cost of the new components exceeds 50% of the fixed capital cost of a comparable entirely new stationary source. Fixed capital cost means that capital needed to provide all the depreciable components.

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4.42 4.23 Reduced Sulfur Compounds ~~means the~~: The sulfur compounds hydrogen sulfide, carbon disulfide, and carbonyl sulfide.

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4.43 4.24 Replacement Source: A routine replacement of all or part of an emissions unit authorized with a valid Permit to Operate with an identical or like-kind equipment provided:

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4.43.1 The resulting emissions are less than or equal to those from the original equipment; and

4.43.2 There is no increase in capacity or production rate; and

4.43.3 The replacement equipment performs the same function; and

4.43.4 The replacement equipment is not a reconstructed source.

4.44 Stationary Source (Facility) ~~means any~~: Any building, structure, or emissions unit which emits or may emit any affected pollutant directly or as a fugitive emission. ~~"Emissions unit" includes any operation, article, machine, equipment or other contrivance which emits or may emit any affected pollutant. "Building or structure" includes all pollutant-emitting activities including emissions units which, including all pollutant-emitting activities which are:~~

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4.44.1 4.24.1 ~~are located~~ Located on one or more contiguous or

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adjacent properties, and which may be separated by a public right-of-way; and,

- 4.44.2 ~~4.24.2~~ ~~are under~~Under the same or common ownership, operation, or control, or which are owned or operated by entities which are under common control and belong to the same industrial grouping, either by virtue of falling within the same two-digit Standard Industrial Classification (SIC) Code or by virtue of being part of a common industrial process, manufacturing process, or connected process involving a common raw material.

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4.45 Surplus: The amount of emission reductions that are, at the time of generation of an Emissions 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.

4.45.1 Examples of federal, state, and local laws, and of SIP-related requirements, include, but are not limited to, the following:

4.45.1.1 The federally-approved California SIP;

4.45.1.2 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;

4.45.1.3 Any other source- or source-category specific regulatory or permitting requirement, including, but not limited to, Reasonably Available Control Technology (RACT), New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), Best Available Control Measures (BACM), Best Available Control Technology (BACT), and the Lowest Achievable Emission Rate (LAER); and

4.45.1.4 Any regulation or supporting documentation that is required by the federal Clean Air Act but is not contained or referenced in 40 C.F.R. 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 emissions reduction commitment; assumptions used in conformity demonstrations; and assumptions used in emissions inventories.

4.46 Temporary Emissions Unit: An emissions unit which takes the place of an authorized emissions unit at a stationary source which is shut down for maintenance or repair and is located at the stationary source for not more than 180 days in any consecutive twelve (12) month period.

4.254.47. Total Reduced Sulfur Compounds means the sulfur compounds hydrogen sulfide, methyl mercaptan, dimethyl sulfide, and dimethyl disulfide.

5.5 REQUIREMENTS: Any emissions unit subject to this Rule shall be subject to the following requirements:

5.1 5.1 Best Available Control Technology (BACT): An applicant shall apply BACT to any new emissions unit or modification of an existing emissions unit which results in an emissions increase and the potential to emit for the emissions unit exceeds the following amounts:

<u>Pollutant</u>	<u>Pounds per Day</u>
Asbestos	0.030
Beryllium	0.002
Carbon monoxide (non-attainment area)	137.000
Carbon monoxide (attainment area)	500.000
Fluorides	15.000
Hydrogen sulfide	50.000
Lead	3.200
Mercury	0.500
Nitrogen oxides	25.000
Particulate matter (PM-10)	80.000
<u>PM2.5</u>	<u>80.000</u>
Reactive organic compounds	25.000
Reduced sulfur compounds	50.000
Sulfur oxides	80.000
Sulfuric acid mist	35.000
Total reduced sulfur compounds	50.000
Vinyl chloride	5.000

5.2 5.2 Offset Requirements, General:

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5.2.1 Emission reductions shall be required from ~~existing~~ emission sources, ~~sufficient~~ to offset calendar quarter emission increases of non-attainment pollutants or their precursors associated with a new or modified stationary source and ~~shall be determined as follows:~~ may be provided by internal emission reductions as approved by the APCO.

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5.2.2 ~~5.2.1~~ Offsets shall be real, permanent, enforceable, surplus, and quantifiable.

5.2.3 A stationary source's potential to emit shall be calculated pursuant to Section 6.6 of this Rule.

5.2.4 Offsets shall be required ~~for~~ under the following conditions:

5.2.4.1 A new stationary source with a potential to emit, ~~calculated pursuant to Section 6.5 of this Rule,~~ of non-attainment pollutants or their precursors equal to or exceeding 25 tons per year. ~~The amount of shall provide~~ offsets ~~required shall be at least~~ equal to or greater than that portion of the potential to emit which exceeds 25 tons per year.

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5.2.2 ~~Offsets shall be required for a modified stationary source under the following conditions:~~

5.2.4.2 ~~5.2.2.1~~ An existing stationary source which has a ~~potential~~ potential to emit less than 25 tons per year ~~as of January 12, 1993,~~ of non-attainment pollutants or their precursors shall offset that portion of the stationary source's potential to emit which, after modification ~~of the stationary source,~~ exceeds 25 tons per year from ~~new or modified emissions units.~~ A stationary source's potential to emit shall be calculated pursuant to Section 6.5 of this Rule. ~~After the potential to emit for a stationary source has exceeded these levels, and the applicant has provided actual emissions reductions to offset emission increases in excess of these levels, all future increases from any new or modified emissions units shall be offset;~~ and

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5.2.4.3 ~~5.2.2.2~~ An existing stationary source which has a potential to emit, ~~calculated pursuant to Section 6.5 of this Rule,~~ non-attainment pollutants or their precursors equal to or exceeding 25 tons per year as of January 12, 1993, shall offset any increases in potential to emit resulting from the permitting of a new or modified ~~emissions~~ emissions unit.

5.2.5 ~~5.2.3~~ Offset requirements for increases in carbon monoxide: Offsets shall not be required for increases in carbon monoxide if the applicant demonstrates to the ~~satisfactions~~ satisfaction of the APCO, through an impact analysis, that the ambient air quality

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standards are not violated in the areas to be ~~affected~~affected, and such emissions will not cause or ~~contribute~~contribute to a violation of ambient air quality standards.

~~5.2.6~~ ~~5.3~~ ~~A source subject to the offset requirements shall be subject to the Public Notice and Publication Actions of Section 0.~~

5.3 Location of Offsets and Offset Ratios:

~~5.3.1~~ ~~5.3.1~~ ~~Offset ratios and the corresponding distances~~Offsets can only be obtained from the ~~proposed~~air basins with the same or more stringent air quality nonattainment designations than that of the stationary source shall be:

~~5.3.1.1~~ on site, at a ratio of 1:1;

~~5.3.1.2~~ within 20 miles, at a ratio of 1.2:1;

~~5.3.1.3~~ from 20 miles to 50 miles, at a ratio of 1.5:1;

~~5.3.1.4~~ over 50 miles, at a ratio of 2:1.

~~5.3.2~~ Use of offsite offsets must result in a net air quality benefit, as determined by the APCO.

~~5.3.3~~ ~~5.3~~Offset ratios and the corresponding distances from the proposed stationary source shall be:

~~5.3.3.1~~ on-site, at a ratio of 1:1;

~~5.3.3.2~~ within 20 miles, at a ratio of 1.2:1;

~~5.3.3.3~~ from 20 miles to 50 miles, at a ratio of 1.5:1;

~~5.3.3.4~~ over 50 miles, at a ratio of 2:1.

~~5.3.4~~ Offsets which are obtained from a source located in another ~~District~~district may be used only if the provisions of ~~HSCodeHS Code~~Section 4070940709.6 are met and the involved Districts enter into an agreement formalized by a memorandum of understanding.

5.4 Interpollutant Offsets: The APCO may approve interpollutant offsets on a case-by-case basis; provided that the applicant demonstrates ~~to the satisfaction of the APCO,~~ through the use of an air quality impact analysis; ~~to the satisfaction of the APCO~~ that the emission increases from the new or modified source will result in a net air quality benefit and will not cause or contribute to a violation of any ambient air quality standard. ~~In such cases, the~~ The APCO may, ~~based upon an air quality analysis,~~ impose offset ratios greater than the requirements of this Rule based upon an air quality impact analysis.

~~5.5~~ ~~Ambient Air Quality Standards:~~ ~~In no case shall the emissions from the new or modified stationary source cause or worsen the violation of an ambient air quality standard. An impact analysis may be used to estimate the effects of a new or modified source. In making this determination, the APCO shall take into account the mitigation of emissions through offsets obtained pursuant to this Rule.~~

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~~5.6 Denial, Failure to Meet Standards: The DISTRICT shall deny any Authority to Construct or Permit to Operate if the APCO finds that the subject of the application would not comply with the standards set forth in this Rule.~~

~~5.7 Compliance by Other Owned, Operated, or Controlled Sources: The owner or operator of a proposed new or modified source shall certify to the APCO that all sources having a potential to emit in excess of 25 tons per year that are owned or operated by such person (or by an entity controlling, controlled by, or under common control) in California are in compliance, or on a schedule for compliance, with all applicable emission limitations and standards.~~

~~6 CALCULATIONS~~

~~6.1 Purpose: The following calculations procedures shall be used to determine:~~

~~6.1.1 the emissions change for all new or modified emissions units; and~~

~~6.1.2 actual emissions reductions for all shutdowns and modified emissions units; and~~

~~6.1.3 the cumulative emissions increase from all new and modified emissions units for a stationary source.~~

~~6.2 Definitions: The following terms are used in the calculations procedure and are defined as follows:~~

~~6.2.1 Control Efficiency means the estimated control efficiency of the proposed air pollution control technology which will be incorporated, by means of (an) enforceable permit condition(s), in the Authority to Construct and Permit to Operate. Emission reductions attributed to lowering throughput rates or operating hours shall not be considered in determining control efficiency.~~

~~5.5 6.2.2 Historic Actual Emissions means actual emissions averaged over the two (2) year period immediately preceding the date of application. If the last two (2) years are unrepresentative of normal operations as determined by the APCO, then two (2) consecutive years of the last five (5) years may be used. Where an emissions unit has been in operation for less than two (2) years, a shorter averaging period of at least one (1) year may be used, providing it represents the full operational history of the emissions unit. If, at any time during~~
Public Notice and Publication Actions: For the specified period, actual types of sources subject to this requirement, the APCO shall:

5.5.1 Publish within ten (10) calendar days following a preliminary decision to issue an Authority to Construct permit for an emissions exceeded allowed unit in at least one (1) newspaper of general circulation in the District, a notice stating the preliminary decision

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of the APCO noting how pertinent information may be obtained, how to request a hearing on the proposed item, and inviting written public comment for a thirty (30)-day period following the date of publication.

5.5.2 No later than the date of publication, transmit the preliminary decision, the application analysis, and copies of the notice submitting for publication to the applicant.

5.5.3 No later than the date of publication, transmit the preliminary decision and copies of the permit application, analysis, and the notice submitted for publication to CARB and EPA.

5.5.4 No later than the date of publication, make available for public inspection the applicable information submitted in the application, the preliminary decision, the application analysis, and copies of the notice submitting for publication.

6 EMISSION AND OFFSET CALCULATIONS: The following provisions shall be used to calculate emission levels, then actual increases and decreases from all new and modified emissions shall be reduced to reflect emission levels that would have occurred if in compliance with all applicable limitations and rules. units located at a stationary source.

6.2.3 Historic

BACT – Emissions means the potential to emit of an existing emissions unit prior to modification. For a new Increase: The emissions increase for each emissions unit, historic related to the project for the purposes of determining BACT applicability shall be calculated as the proposed emissions are equal to zero.

6.2.4 Proposed minus the Baseline Actual Emissions means the potential to emit for a new or post modification emissions unit.

6.1 6.3 Procedure: The calculation procedure. Calculations shall be performed separately for each pollutant and each emissions unit. Emission increases and decreases shall be calculated separately for each calendar quarter pursuant to the following procedure:

6.3.1 Calculate the emissions change for each new or modified emissions unit and for each pollutant using Section 6.4 of this Rule.

6.3.2 If an increase is calculated for a pollutant, follow the procedures in Sections 5.1 and 6.5 of this Rule to determine the amount of offsets required.

6.3.3 If a decrease is calculated for a pollutant, follow the procedures in Section 6.4.2 of this Rule to determine if emission reduction credits (ERC's) are generated.

If no emissions change is calculated for a pollutant, no further calculations are required.

6.4 Calculating

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Offsets - Emissions Changes

6.4.1 Emissions Increase

6.4.1.1 New or Modified Emissions Unit or Decrease: The emissions ~~change~~ increase or decrease for a ~~new or modified~~ each emissions unit related to the project for the purposes of determining Offset applicability shall be ~~calculated by subtracting historic emissions from calculated as the~~ proposed emissions:

$$\text{Emissions change} = \text{Proposed emissions} - \text{Historic emissions}$$

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6.2 6.4.2 ~~the Baseline Actual Emissions Reductions (AER).~~ Emission ~~increases or decreases shall be calculated for each emission unit and the project as a whole.~~

6.4.2.1 Shutdown of an Emissions Unit:

$$\text{AER} = \text{Historic actual emissions}$$

6.4.2.2 ~~Modification consisting solely of application of control equipment or implementation of more efficient process:~~

$$\text{AER} = \text{Historic actual emissions multiplied by Control efficiency}$$

6.4.2.3 Other Modifications:

$$\text{AER} = \text{Historic actual emissions minus Proposed emissions}$$

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6.5 Determining Potential to Emit for a Stationary Source: The potential to emit for a stationary source shall be equal to the sum of potentials to emit for Permits to Operate (or Authority to Construct for emissions units for which a Permit to Operate has not been issued), issued prior to January 12, 1993 for each emissions unit within a stationary source. In addition, emissions increases from new or modified emissions units occurring on or after January 12, 1993, shall be added to the sum of potentials to emit for existing emissions units. In no case shall the potential to emit for a stationary source be adjusted for actual emissions reductions which occur after January 12, 1993.

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6.3 Project Emissions: If a project consists of more than one emission unit, the total emissions from all emissions units shall be summed for each pollutant to determine the emissions increase for the project.

6.4 Fugitive Emissions: The fugitive emissions of a stationary source shall not be included in determining the Potential to Emit or whether a stationary source is a major stationary source or major modification to a stationary source unless the source belongs to one of the categories of sources included in 40 CFR 51.165.

6.5 Calculation Periods: The emissions increase or decrease for a project shall be calculated on a daily, quarterly and annual basis for each pollutant.

6.6 Potential To Emit - Stationary Sources: The potential to emit of a new or modified stationary source shall be calculated as the sum of the potential to emit for all emissions units, based on emission limitations established by any current Permit to Operate, Authority to Construct permit, and pending application.

6.7 Quantity of General Offsets Required: If offsets are required pursuant to Section 5.2, the quantity of offsets to be provided shall be determined by multiplying the emission increase calculated for the project in Section 5.2.4 by the appropriate offset ratio based on pollutant and location as specified in Section 5.3.3.

7 AIR QUALITY IMPACT ANALYSIS: In no case shall emissions from a new or modified emissions unit cause or worsen the violation of an ambient air quality standard. The APCO may require an applicant to use an air quality model to estimate the effects of a new or modified emissions unit. For the purpose of performing an impact analysis, the following shall apply:

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7.1 7.1 ~~—~~ Air quality models shall be consistent with the requirements contained specified in the most recent edition of EPA's "40 CFR Part 51, Appendix W ("Guidelines on Air Quality Models, OAQPS 1.2-080"), unless the APCO finds that such model is inappropriate for use. After making such a finding, the APCO may designate an alternative model only after allowing for public comment and only with the concurrence of CARB and EPA.

7.2 All modeling costs associated with the site of a new or modified emissions unit shall be borne by the applicant;

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7.3 7.2 ~~—~~ In performing an air quality impact analysis, if the proposed stack height is higher than is dictated by good engineering practices, as published in the Federal Register; Volume 50, Number 130; Monday, July 18, 1985, then the actual height used for the purposes of modeling shall be calculated in accordance with good engineering practices.

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8 ADMINISTRATIVE REQUIREMENTS: ~~The following administrative requirements shall apply to this Rule:~~

- ~~**8.1 Complete Application:** The APCO shall determine whether the application is complete not later than thirty (30) days after receipt of the application, or after such longer time mutually agreeable to the applicant and the APCO. If the APCO determines that the application is not complete, the applicant shall be notified in writing of the decision and of the required additional information. Upon receipt of any re-submittal of the application, a new thirty (30) day period to determine the completeness shall begin. Completeness or re-submittal of an application shall be evaluated on the basis of the information requirements set forth in DISTRICT Regulations (adopted pursuant to Article 3, Section 65940 through 65944 of Chapter 4.5, Division 1, Title 7 of the Government Code) as they exist on the date on which the application or re-submitted application was received. An application that has been deemed incomplete and is not acted upon by the applicant within one hundred eighty (180) calendar days from the date of the notice from the APCO shall be denied without further review. The APCO may charge fees for technical review and evaluation of an incomplete application pursuant to the DISTRICT rules and regulations. Once an application is denied, a new application and filing fee must be submitted to re-initiate the project. Upon determination that the application is complete, the APCO shall notify the applicant in writing. The APCO may, during the processing of the application, request an applicant to clarify, amplify, correct, or otherwise supplement the information submitted in the application.~~
- ~~**8.2 Air Quality Models:** Only those models approved by the APCO may be used in the impact analysis.~~
- ~~**8.3 Preliminary Decision:** Following acceptance of an application as complete, the APCO shall perform the evaluations required to determine the compliance with this Rule and make a preliminary written decision as to whether an Authority to Construct should be approved, conditionally approved, or disapproved. The decision shall be supported by a written analysis.~~
- ~~**8.3 Publication and Public Comment:** This Section shall only apply to an emissions unit subject to the requirements of Section 5.2 of this Rule. Within ten (10) calendar days following a preliminary decision on the Authority to Construct, the APCO shall publish in at least one (1) newspaper of general circulation in the District, a notice stating the preliminary decision of the APCO noting how pertinent information can be obtained, and inviting written public comment for a thirty (30) day period following the date of publication. Copies of such notice shall be sent to CARB and EPA.~~
- ~~**8.5 Public Inspections:** The APCO shall make available at the DISTRICT~~

~~office the information submitted by the applicant and the APCO's analysis no later than the time that the notice of preliminary decision is published. All such information shall also be transmitted, no later than the date of publication, to CARB and EPA. Information submitted which contains trade secrets shall be handled in accordance with Section 6254.7 of the Government Code and relevant sections of the Administrative Code of the State of California. Further, all such information shall be transmitted no later than the date of publication to CARB and EPA.~~

~~**8.5 Authority to Construct, Final Action:** Within 180 days after acceptance of an application as complete, the APCO shall take final action on the application after considering all written comments. The APCO shall provide written notification of the final action to the applicant, CARB, and EPA, and shall make the notification and all supporting documents available for public inspection at the DISTRICT office for all Authorities to Construct issued for emissions units subject to the requirements of Section 5.2 of this Rule.~~

~~**8.7 Requirements, Permit to Operate:** As a condition for the issuance of a Permit to Operate, the APCO shall require that the new source or modification, and any sources which provide offsets will be operated in the manner assumed in making the analysis to determine compliance with this Rule. The Permit to Operate shall include daily emissions limitations which reflect applicable emissions limitations, including BACT. As a condition for the issuance of a Permit to Operate, any stationary source which provides emission offsets shall be subject to enforceable permit conditions, containing specific emissions limitations, and/or operational limitations which ensure that the emission reductions will be provided in accordance with the provisions of this Rule and shall continue for the reasonably expected life of the proposed source. When the source of offsets is not subject to a permit, a written contract shall be required between the applicant and the owner or operator of such offset source, which contract, by its terms, shall be enforceable by the APCO. A violation of the emission limitation provisions of any such contract shall be chargeable to the applicant.~~

~~Where the source of offsets is a non permitted source, the DISTRICT shall require the non permitted source to obtain an enforceable permit, complete with operational and emission limitations. If the source of offsets is a permit exempt piece of equipment, that particular source must relinquish its exempt status.~~

~~If the DISTRICT, pursuant to state laws or DISTRICT Regulations, cannot permit the source of offsets, the source creating the offsets shall execute a legally binding contract between the applicant and the owner or operator of such offset source, which contract, by its terms, shall be enforceable by the~~

~~APCO. A violation of the emission limitation provisions of any such contract shall be chargeable to the applicant.~~

~~**8.8 Issuance, Permit to Operate:** The APCO shall issue a Permit to Operate for any stationary source which meets the requirements of this Rule.~~

~~Any offsets required as a condition of an Authority to Construct or amendment to a Permit to Operate shall commence not later than the initial operation of the new or modified source, and the offsets shall be maintained throughout the operation of the new or modified source which is the beneficiary of the offsets. Further, the APCO shall determine that all conditions specified in the Authority to Construct have been or will be complied with by any dates specified. Where a new or modified stationary source is, in whole or part, a replacement for an existing stationary source on the same property, the APCO may allow a maximum of ninety (90) days as a start up period for simultaneous operations of the existing stationary source and the new source or replacement.~~

~~**8.9 Regulations in Force Govern:** The granting or denial of an Authority to Construct shall be governed by the requirements of this Rule in force on the date the application is deemed complete. In addition, the APCO shall deny an Authority to Construct for any new stationary source or modification, or any portion thereof, unless the new source or modification, or applicable portion thereof, complies with the provisions of this Rule and all other applicable DISTRICT Rules and Regulations.~~

~~**8.10 Permit Conditions:** The APCO shall have the authority to place conditions on the Authority to Construct and/or Permit to Operate which will ensure that the construction, modification, or operation of such source will comply with all applicable rules and regulations. Such conditions may include, but not be limited to: hours of operation; processing parameters; periods of use; and emission limitations on an hourly, daily, or yearly basis.~~

~~**9 POWER PLANTS:** A power plant shall be defined as a stationary source that produces electricity.~~

~~**8** This section shall apply to all power plants proposed to be constructed in the ~~district~~DISTRICT and for which a Notice of ~~Intention~~Intention (NOI) or Application for Certification has been accepted by the California Energy Commission (CEC). The APCO may apply for reimbursement of all costs incurred, including lost fees, in order to comply with the provisions of this section.~~

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~~**8.1 9.1 Intent to Participate and Preliminary Report:** Within fourteen (14) days of receipt of an NOI, the APCO shall notify CARB and the CEC of the DISTRICT's intent to participate in the NOI proceeding. If the DISTRICT chooses to participate in the NOI ~~proceeding~~proceeding, the~~

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APCO shall prepare and submit a report to CARB and the CEC prior to the conclusion of the non-adjudicatory hearing specified in Section 25509.5 of the Public Resources Code. That report shall include, at a minimum:

8.1.1 ~~9.1.1~~—A preliminary specific definition of BACT for the proposed facility; and

8.1.2 ~~9.1.2~~—A preliminary discussion of whether there is a substantial likelihood that the requirements of this Rule and all other DISTRICT Regulations can be satisfied by the proposed facility; and

8.1.3 ~~9.1.3~~—A preliminary list of conditions which the proposed facility must meet in order to comply with this Rule or any other applicable DISTRICT Regulation.

The preliminary determinations contained in the report shall be as specific as possible within the constraints of the information contained in the NOI.

8.2 ~~9.2~~—**Determination of Compliance Review:** Upon receipt of an Application for Certification (AFC) for a power plant, the APCO shall conduct a ~~Determination~~Determination of Compliance review. This determination shall consist of a review identical to that which would be performed if an application for an Authority to Construct had been received for the power plant. If the information contained in the AFC does not meet the requirements of this Rule, the APCO shall, within twenty (20) calendar days of receipt of the AFC, so inform the Commission, and the AFC shall be considered incomplete and returned to the applicant for re-submittal.

8.3 ~~9.3~~—**Equivalency of Application:** The APCO shall consider the AFC to be equivalent to an application for an Authority to Construct during the Determination of Compliance review, and shall apply all provisions of this Rule which apply to an application for an Authority to Construct.

8.4 ~~9.4~~—**Need for Additional Information:** The APCO may request from the applicant any information necessary for the completion of the ~~Determination~~Determination of Compliance review. If the APCO is unable to obtain the information, the APCO may petition the presiding Commissioner for an order directing the applicant to supply such information.

8.5 ~~9.5~~—**Preliminary Determination:** Within one hundred and eighty (180) days of accepting an AFC as complete, the APCO shall make a preliminary written decision on:

8.5.1 ~~9.5.1~~—~~whether~~Whether the proposed power plant meets the ~~requirements~~requirements of this Rule and all other applicable DISTRICT Regulations; and

8.5.2 ~~9.5.2~~—~~in~~In the event of compliance, what permit conditions will be required, including the specific BACT ~~requirements~~requirements and a description of required mitigation measures. The

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preliminary written decision under Section 8.5 of this Rule shall be treated as a preliminary decision under Section ~~8.35.4.2~~ of ~~this~~ Rule 400-Permit Requirements, and shall be finalized by the APCO only after being subject to the public notice and comment requirements of ~~Sections 8.4 through 8.6~~Section 0 of this Rule. The APCO shall not issue a Determination of Compliance unless all requirements of this Rule are met.

9.68.6 Determination of Compliance: Within 240 days of the filing date, the APCO shall issue and submit to the ~~Commission~~CEC a Determination of Compliance or, if such a determination cannot be issued, shall inform the CEC. A Determination of Compliance shall confer the same rights and privileges as an Authority to Construct only when and if the Commission approves the AFC, and the Commission certificate includes all conditions of the Determination of Compliance.

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~~9.7~~
8.7 Equivalency of Determination of Compliance to Authority to Construct: A Determination of Compliance shall confer the same rights and privileges as an Authority to Construct provided the CEC approves the Application for Certification and the certificate granted by the CEC includes all the conditions of the Determination of Compliance.

8.8 Permit to Operate: Any applicant receiving a certificate from the CEC Pursuant to this Section and in compliance with all conditions of the certificate shall be issued a Permit to Operate by the APCO.

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