

SANTA BARBARA COUNTY AIR POLLUTION CONTROL DISTRICT

RULE 204 - APPLICATIONS

(Adopted 10/18/1971, revised 5/1/1972, readopted 10/23/1978, revised 7/1979, 8/8/1988 and 4/17/1997)

A. Applicability

This rule shall apply to any person applying for an Authority to Construct or a Permit to Operate.

B. Exemptions

None.

C. Definitions

See Rule 102 for definitions.

D. Requirement - Permit Application Completeness

Every application for an Authority to Construct or Permit to Operate required under Rule 201 shall be filed in the manner and form prescribed by the Control Officer, and shall give all the information necessary to make the determination required for the issuance of a permit. This information includes, but is not limited to, analyses, plans, or specifications which will disclose the nature, extent, quantity or degree of air contaminants which are, or may be, discharged by the source for which the permit was applied. The Control Officer may, during the processing of the application request an applicant to clarify, amplify, correct, or otherwise supplement the information submitted in the application. The application shall be submitted and all information therein shall be attested to be accurate to the best knowledge of the applicant.

E. Requirements - Information Required

1. General Information

a. This section outlines information required of applicants seeking permits to construct or modify pollution sources or control devices and specifies time frame for processing required of the District. All information required pursuant to District Rules and Regulations, and specified by the Control Officer on a list(s) maintained pursuant to Government Code Section 65940, shall be submitted before an application can be considered to be complete.

b. The information requirements are divided into five parts. Section E.2 of this rule identifies the information required of all applicants seeking permits. Section E.3 of this rule identifies additional information required for applications where Best Available Control Technology, but not Air Quality Impact Analysis, is mandatory. Section E.4 of this rule identifies further information required for applications where Air Quality Impact Analysis is mandatory. Where a modified source is subject to Best Available Control Technology or Air Quality Impact Analysis, some of the information required in this rule may also be required for the existing portion of the

facility. Section E.5 of this rule identifies emission offset information requirements and Section E.6 of this rule identifies health risk assessment information requirements.

c. The District urges all applicants to discuss their projects with our staff prior to the filing of applications. If ambient monitoring data is needed, these discussions should take place more than a year prior to application. For some projects, it may not be necessary to submit all the information listed to have an application deemed complete. Consultation with District staff will expedite the process by identifying the specific information that will be required of an applicant.

d. Prior to filing an application with the District, when applicable, all applicants are urged to participate fully in the early stages of the environmental review process being undertaken by the lead agency for the applicant's project in order: (1) to be apprised of the applicable air quality and other environmental constraints, and (2) to make such project modifications as may be necessary to satisfy those constraints.

e. Results of all analyses and tests submitted to the District shall be calculated and reported at standard conditions. Such results shall contain sample calculations that verify standard conditions.

f. An applicant seeking an exemption provided for in any rule or regulation of the District must supply the Control Officer with all information necessary, including applicable emission calculation sheets, to determine whether such an exemption applies.

g. Where offsets are required and the applicant proposes to obtain them from the Source Register, the applicant shall obtain them prior to Authority to Construct approval in accordance with Regulation VIII and Section E.5 of this Rule.

2. Information Required - Applications

All applications for an Authority to Construct shall be accompanied by information sufficient to make a completeness determination. The Control Officer shall maintain a list (s) pursuant to Government Code Section 65940 specifying information required of an applicant for a permit. The District will provide the applicant with one or more lists which specify in detail the information required and will indicate the criteria which the District will apply in order to determine application completeness.

3. Information Required - Best Available Control Technology

All applicants for an Authority to Construct which require Best Available Control Technology shall submit the following:

a. Best Available Control Technology - Nonattainment Review

1) Individual Best Available Control Technology determinations pursuant to Rule 802 must address air pollution controls for each pollutant subject to review at a stationary source. It is the applicant's responsibility to submit a Best Available Control Technology proposal for evaluation by the District.

- 2) Justification of selected control technology as Best Available Control Technology.
- 3) Documentation of technical infeasibility which would preclude the use of a more effective control technology;
- 4) Operating conditions at which the maximum daily and hourly emissions will be generated (baseline parameters).
- 5) Maximum daily and hourly emissions at the conditions, described in (4) above, for each potential control technology and the basis of how the emission rates were estimated.
- 6) Calculations, emission data, and/or other information to determine control effectiveness (percent pollutant removed) of each potential control technology.
- 7) Emission limits shall be expressed both in terms of an emissions cap (e.g. pounds per day) and in terms which ensure compliance at any operating capacity (e.g., pounds per million British thermal units, or parts per million by volume). Where appropriate, on a case-by-case basis, emission limits may be expressed in alternate terms for determining compliance with the Best Available Control Technology Standards. The source must comply with both limits to demonstrate compliance.
- 8) Applicants shall describe how the selected Best Available Control Technology is to be monitored for its emission reduction effectiveness.

b. Best Available Control Technology Information - Prevention of Significant Deterioration Requirements

In addition to the requirements of Section E.3.a. of this Rule, sources which trigger Best Available Control pursuant to Rule 803 shall submit the following information. The District shall consider technical feasibility and energy, environmental (cross-media) and economic impacts in evaluating an applicant's Best Available Control Technology proposal:

- 1) A comprehensive list of potential control technologies;
- 2) A ranking of potential control technologies by control effectiveness (percent pollutant removed) in accordance with the Environmental Protection Agency's Top-Down procedure;
- 3) Itemized capital cost, including installation and/or modification cost for each proposed control technology;
- 4) Itemized annual operating cost, including fuel cost for each proposed control technology;

5) Energy impacts of each proposed control technology (British thermal units, kilowatt hours);

6) Estimated equipment life and its salvage value.

4. Information Required - Air Quality Impact Analysis

a. All applicants for an Authority to Construct new or modified sources which require an Air Quality Impact Analysis shall submit the following:

1) A description of any monitoring stations that may be installed by applicant.

2) Sufficient data, approved by the Control Officer consistent with the Air Quality and Meteorological Monitoring Protocol for Santa Barbara County, California, to perform an air quality impact analysis from all emission release points including fugitive emissions. The data shall include:

a) At least one full calendar year (twelve consecutive months) of meteorological data consistent with Appendix W of 40 CFR 51 Guideline on Air Quality Models.

b) Topographical data including receptor points by Universal Transverse Mercator coordinates and map of receptor points and source.

c) At least one full calendar year (twelve consecutive months) of recent air quality background data from the last 3 years prior to application completeness.

d) Computer modeling data:

(1) Mass emission rate and stack concentration of air pollutants.

(2) Stack diameter.

(3) Stack location in Universal Transverse Mercator coordinates.

(4) Stack height above ground level.

(5) Exhaust temperature.

(6) Exhaust velocity.

(7) Exhaust flow rate (volumetric).

(8) Buildings whose wakes may affect the plume of the stack, including Universal Transverse Mercator coordinates of building.

(9) Dimensions (length, width, height) of the buildings identified above.

(10) Maximum modeled concentration of air pollutants for all

averaging times of concern and all applicable receptors of concern.

(11) Model used to perform air quality impact analysis.

(12) Model input and output files on computer diskette and hardcopy.

(13) Name, address, telephone number, and qualifications of company and/or person who performed air quality impact analysis.

(14) Terrain description and effects.

3) Identify all facilities within the air basin that are owned or operated by the applicant and the compliance status of each.

4) Power Consumption of Facility (for PSD permits only)

a) Total amount of electrical power to be consumed by the new facility or the increase in the amount of electrical power to be consumed due to the modification.

b) Percentage of electrical power provided by off-site generating facilities; identify the source of power.

5) Cargo Carriers

List the frequency of visits, describe types and sizes of all cargo carriers (other than motor vehicles), identify nature of cargo, and conditions under which the cargo is transferred.

6) For major stationary sources, provide an analysis of alternative sites, sizes, production processes, and environmental control techniques for the proposed source that compares the benefits of the proposed source to its environmental and social costs.

5. Information Required - Description of Emission Reduction Credits to be Used as Offsets

If offsets are required for the project, then information sufficient to determine the adequacy of Emission Reduction Credits must be submitted before an Authority to Construct application will be deemed complete. In addition, Emission Reduction Credits proposed for use must be documented in the following ways:

a. If a source is proposed as an offset, the date of issue and number of the existing Permit to Operate and the complete application for the Emission Reduction Credits.

b. If the Emission Reduction Credits proposed for use have been registered by the

District, the Emission Reduction Credit certificates identifying numbers and date of issue shall be included in the Authority to Construct application. Pursuant to Health and Safety Code Section 40709.5(e), the applicant shall specify the year in which the applicant obtained the Emission Reduction Credit, price paid per ton per pollutant, and the total cost per pollutant.

c. If the Emission Reduction Credits proposed for use are not owned by the applicant, a letter from the owner of the Emission Reduction Credit certificates stating that the Emission Reduction Credits will be available at least two weeks before the Authority to Construct is issued. Alternatively, an applicant may provide a copy of the contract to obtain Emission Reduction Credits that is signed by the Emission Reduction Credit provider and by the applicant and which names the District as a third party beneficiary. Pursuant to Health and Safety Code Section 40709.5(e), the applicant shall specify the year in which the applicant obtained the Emission Reduction Credit, the price paid per ton per pollutant, and the total cost pollutant.

d. List proposed mitigating measures:

- 1) Air pollution control equipment proposed.
- 2) Process changes or operations utilized to reduce emissions.
- 3) Other.

e. Identify any air quality impacts from any precursor-secondary pollutant relationships.

6. Information Required - Health Risk Assessment.

The Health Risk Assessment shall be consistent with methodology approved by the California Air Pollution Control Officers Association Air Toxics "Hot Spots" Program Revised 1992 Risk Assessment Guidelines, prepared by the Toxics Committee of the California Air Pollution Control Officers Association, October, 1993, or most recent version, and shall address the following:

- a. Unit risk factors used in determining lifetime cancer risk.
- b. Population characterization (e.g., numbers, location, sensitive receptors).
- c. Exposure assessment (e.g., working hours, family relocation).
- d. Risk estimates for all parameters of concern, including multi-pathway analysis.
- e. Analysis of potential health effects of non-carcinogenic air pollutants.
- f. Map showing the receptor areas of concern drawn to scale with the sensitive receptors clearly marked. All applicants are encouraged to consult with the District staff as to an appropriate distance for health risk assessment.

g. Name, address, telephone number, and qualifications of company and/or person who performed health risk assessment.

h. Input and output computer files.