SISKIYOU COUNTY AIR POLLUTION CONTROL DISTRICT

RULE 2.4 – APPLICATIONS APPENDIX A (COMPLETENESS CRITERIA)

APPENDIX A

List/Criteria for Permit Applications

This List and Criteria identifies information required of applicants seeking permits to construct air pollution sources.

A. Name
   1. Business license name

   2. Nature of business

   3. Name, address, and phone number of person to contact regarding this application

   4. Types of use entitlement (own, rent, lease)

   5. Estimated construction dates and estimated completion dates

   6. Verification development project is consistent with the applicable general plan required by Government Code Section 65300, et seq.

B. Type of Application
   1. a. Original application
      b. Revised application

   2. a. New facility
      b. Modification
      c. Existing facility not previously permitted

   3. Authority to Construct

C. Description of Facility
   1. Location
      a. Street address of facility (or location as described by section, township, and range)
      b. Scaled and dimensioned plot plan of facility which shows and identifies the location of:
         1) Public and private streets
         2) Property lines
         3) Existing and proposed buildings (indicate their heights)
         4) Adjacent property owners and uses
         5) Storage areas for fuel, materials and products
         6) Basic, control, and air monitoring equipment
         7) Piping and ducts for carrying fuels, products, and possible sources of air pollutants
         8) Identify points of emissions

   2. Describe the general purpose of this facility

D. Description of Process

1. General description of each process line

2. For facilities with more than one process line:
   a. Submit a block flow diagram which shows the interaction between each process line (include a material balance and a description of the material processed as it changes in terms of maximum design rates)
   b. Submit a drawing which shows the transfer of materials, products, and possible sources of air pollutants between process lines, building, and storage areas

3. Basic and control equipment descriptions (e.g., make, function, model, size, type, maximum capacity, horsepower)

4. Operating schedule (number of hours/day, days/week, weeks/year)

5. Maximum monthly, hourly, and daily production rates and raw material usage rates

6. Total average annual production rates and raw material usage rates (such as tons/year)

7. Provide the following information associated with each piece of basic (existing, modified, and proposed) equipment:
   a. Equipment identification number
   b. Inlet and outlet temperatures
   c. Identify the emission points and state to where the equipment is to be vented
   d. The material entering and leaving the equipment
   e. The energy consumption, (e.g., Btu/hr, KW/hr)
   f. State whether the operation is continuous or intermittent

8. Describe control equipment and attach calculations and detail drawings. Provide the following information associated with each piece of control equipment (existing and proposed):
   a. Schematic and description of overall control equipment
   b. Control equipment identification number
   c. Inlet and outlet concentrations
   d. Control efficiency; verify source of data (e.g. calculations, manufacturer's specification, source test)
   e. Identify the points of emission associated with each piece of equipment
   f. For particulate matter, include data on the size distribution and chemical nature of emissions
   g. Energy consumption (e.g., Btu/hr, KW/hr)

9. Describe locations and amounts of emissions (in terms of maximum design rates)
   a. Identify points of emission
   b. Height of the outlet above ground level

c. Size and shape of the outlet, (e.g. 9" round)
d. Flow rate of exhaust gases
e. Outlet temperature
f. Estimate the quantity of each pollutant emitted: total suspended particulates, PM_{10}, carbon monoxide, organic gases, nitrogen oxides, and sulfur oxides, as examples

10. Describe emissions of a fugitive nature, i.e., not included in 9.

11. Attach copies of all calculations used in answering the previous questions (also cite references and tolerance of data)

E. Fuel Burning Equipment and Fuel

1. Describe burners
   a. Equipment identification number, manufacturer's name and model, size, number of burners, minimum and maximum ratings per burner, and burner type
   b. The burner mode of control, (e.g. manual, automatic on-off, high-low) if applicable
   c. Air compressor data (if air atomization is used):
      1) manufacturer's name and mode
      2) drive motor horsepower
      3) compressor rating (pressure and capacity)
      4) operating pressure
   d. Firing type, (e.g. tangential, opposed, front)
   e. Type of fuels and the percentage of combustion air

2. Describe all fuels used; indicate the types, grades, consumption rates; pretreatment of the fuel if any (method and temperature); heating value (e.g., BTU/cu.ft., BTU/gal., BTU/lb.); and ash, sulfur, moisture, H_2S, and nitrogen contents, where applicable
   a. For oil preheaters, indicate the type and the temperature to which the oil is expected to be preheated
   b. State whether unit is to be used to incinerate waste gas or liquid stream; submit a drawing of the method of waste stream introduction with respect to gas/fuel oil burners
      1) Indicate the amount of each fuel used per year (gal./yr. for liquid, million cu.ft./hr. for gaseous and tons/yr. for solid); also indicate fuels used as standby fuel
      2) Indicate the maximum consumption rate of fuel in any one hour and any 24-hour period
3. For combustion facilities, specify the heat input rate or thermal efficiency in BTU/unit

F. Describe Storage Facilities

1. Size, model, type, and make of storage facilities
2. Properties or characteristics of materials and products being stored
3. Control procedures and equipment utilized on storage facilities
4. Conditions under which storage exists, e.g., temperatures, pressure, windspeed

G. New Source Review

1. Air Quality Impact Analysis
   a. Any monitoring stations that may be installed by applicant
   b. Sufficient data to perform an impact analysis from all emission points and fugitive emissions including meteorological data, topographical data, air quality data, computer modeling data

2. Identify All Facilities - within the air basin that are owned or operated by the applicant and the compliance status of each

3. Power Consumption of Facility
   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

4. 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

5. Tradeoffs
   Provide sufficient information to determine whether adequate emission reductions will be achieved to offset the air quality impacts of the applicant's source (e.g., name and location of trade-off sources and of how the emission tradeoffs will be affected)

6. Mitigating Measures
   a. Air pollution control equipment proposed
   b. Process changes or operations utilized to reduce emissions
   c. Other

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