EASTERN KERN AIR POLLUTION CONTROL DISTRICT
GLEN E. STEPHENS, APCO

APPLICATION FOR AUTHORITY TO CONSTRUCT AND PERMIT TO OPERATE

INSTRUCTIONS

1. Checks or money orders shall be made payable to Eastern Kern Air Pollution Control District. Filing fees apply toward initial Permit to Operate fee. Payment of initial permit fee, and application processing fee is required for issuance of an Authority to Construct (Rules 301 and 303).

   a. A filing fee of $130 paid by check or money order is required for each application. If the project is installation of gasoline storage tanks, a filing fee is required for each tank.

   b. In the case of a Transfer of Ownership of a PTO where no alteration, addition or change of location is to occur, the filing fee is $70 per permit. Documentation showing the transfer of ownership should also be provided; for example, escrow papers or a letter from the previous owner outlining the sale.

   c. The ownership of an ATC is not transferable.

   d. A transfer of location requires an ATC unless the original ATC or the current PTO has multiple locations.

2. A separate application is required for each distinct process consisting of the aggregation of equipment items operating together to perform a given function and having the potential to cause the emission of an air contaminant. Such a process may consist of one individual piece of equipment or several equipment items, including air pollution control devices, if any. Any given facility may require more than one Authority to Construct and Permit to Operate.

3. With each application for Authority to Construct and Permit to Operate, the following data, specifications, plans and drawings must be submitted:

   a. **Equipment Location Drawing or Plot Plan** — Drawing or sketch submitted should show:

      1. Property involved and outlines of all buildings and structures on it. Property lines. Quarter Section, Township and Range.

2. Location and identification of proposed equipment on property.

3. Whether property involved is within 1,000 feet of a school property boundary. If so, identify nearest school by name and address.

4. Location of property with respect to streets and all adjacent properties. Identification of adjacent properties. If in a business district or residential area, show all buildings outside property, but within ¼ mile of property line. Identify all such buildings (residence, apartment building, warehouse, retail store, etc.). Indicate direction north on the drawing.

b. **Equipment Description** — State: make, model, size, type, and serial number of entire unit or its major parts. List all electric motors (and electric horsepower rating) associated with all equipment.

c. **Process Description** — Each application must include a written description of each operation to be carried out in each process. Descriptions must be complete and in detail for all operations. Particular attention must be given to parts of process which may result in the emission of air contaminants. Similarly, operation of air pollution control equipment must be described in sufficient detail to allow the District to determine if it can be expected to consistently operate at required control efficiencies.

d. **Expected Emission of Air Contaminants** — Submit with each application calculated estimates of the emission of all air contaminants (criteria and toxic) from proposed equipment, including reference to source(s) of emission factors. Include test data (reference source) to support calculations. Well-documented, well-organized emissions calculations can expedite processing of applications. Failure to submit emissions calculations and supporting test data can significantly increase processing time.

e. **Operating Schedule** — Specify hours per day, days per week and months per year equipment is to be operated.

f. **Process Weight** — Detail type and total weight of each material charged to each operation on basis of pounds per hour or per other specified unit of time. Your Authority to Construct and Permit to Operate will be conditioned to limit process weight to specified amount.

g. **Fuels and Burners Used** — Indicate for gaseous fuel: source, type, heating value, sulfur content (total and as H_2S), and maximum consumption (cubic feet per hour); for fuel oil: source, type, heating value, API gravity (degrees), sulfur content, nitrogen content, preheat temperature, temperature at which SSU viscosity is 150, type of atomization (steam, air or mechanical), amount (%) of excess combustion air to be utilized, and maximum consumption (gallons per hour); for solid fuels: type, heating value, sulfur content, ash content, and maximum consumption (pounds per hour). For all burners, indicate make, model, size, type, number of burners and maximum capacity of each burner.

h. **Process and Instrumentation Diagram** — For continuous processes, show flow of materials and location and type of all instrumentation, including any stack gas monitors. Show all pertinent temperatures, pressures, volume flow rates and mass flow rates.

i. **Equipment Drawings** — Supply drawings, dimensioned and to scale, in plan, elevations and as many sections as are needed to show clearly design and operation of air pollution control devices. Drawings of basic equipment must be included if they are necessary for sizing and understanding operation of air pollution control equipment or if such equipment has potential air contaminant emission points. The following must be shown:

   1. SCRUBBERS — Interior dimensions of all parts; location and number of spray nozzles, if any; flow characteristics of nozzles (gpm @ psi); pump performance curves; mist eliminator performance data; scrubber liquid chemical analysis; and "blow-down" rate.

   2. FABRIC COLLECTORS — Dimensions of housing and compartments; number and size of filter tubes; filter media specifications (permeability, weave type, thread count, weight, etc.); cleaning mechanism specifications (air volume and pressure, reverse air flow valve arrangements, etc.); and fan performance curves.

   3. INCINERATORS — Dimensions of all components; refractory specifications; number, size, and model number for each burner; burner fuel specifications, including type, heating value, sulfur content, and maximum consumption; waste material specifications, including type, heating value, sulfur content, ash content, and maximum consumption; engineering design calculations showing expected gas residence time and combustion temperature.

   4. ALL AIR POLLUTANT CONTROL EQUIPMENT — Locations, size and shape details of all features that may affect collection or control of air contaminants of any kind.

j. All data and calculations used in selecting or designing any equipment that may cause emission of an air contaminant.

4. A completed environmental information form and initial study evaluation. The California Environmental Quality Act (CEQA) requires this form.