



**INFORMATION REQUIREMENTS FOR DISTRICT SPECIFIC QUESTIONS
APPLICATION FOR
AUTHORITY TO CONSTRUCT AND / OR PERMIT TO OPERATE**

SAND AND GRAVEL CRUSHING / SCREENING PLANTS

A separate application is required for each distinct operation that consists in whole, or in part, of equipment, the use of which may cause the issuance of any air contaminant, for which the Northern Sierra Air Quality Management District has established emission limits. Such an operation may consist of one individual piece of equipment or a group of two or more items including control equipment.

Submit the following information with your application for an authority to construct and permit to operate:

1. **FACILITY LOCATION MAP:** Provide a copy of a U.S. Geological Map with the facility location clearly shown.
2. **EQUIPMENT LOCATION DRAWING:** The drawing or sketch submitted must show at least the following:
 - a. The property involved and outlines and heights of all buildings on it. Identify property lines plainly. Show the location of the property with respect to streets and all adjacent properties. Identify adjacent properties. Show location of all buildings outside the property that are within 150 feet of the equipment involved in the application.
 - b. Location and identification of the proposed equipment on the property including stock piles, conveyors, dryers, screen/pug mill, product holding bins, air pollution control devices, duct work, filter units, pre-cleaners, any equipment the system is to serve, generators, and roads in and out.
 - c. Supply a block flow diagram showing:
 - (1) Horsepower of all motors.
 - (2) Make, model, serial number of equipment.
 - (3) Capacities of bins, if any.
 - (4) Sizes of all conveyors.
3. **DESCRIPTION OF OPERATION:** The application must be accompanied by a written description of each operation to be carried out in the equipment. The description must be complete and in detail concerning all operations. Particular attention must be given to explaining all stages of the operation where the discharge of any materials might contribute in any way to air pollution. All obtainable data must be supplied concerning the nature, volumes, particle sizes, weights, concentrations and height of emission point above ground level, of all types of air contaminants that may be discharged at each stage in the operation. Describe emissions of a fugitive nature.

4. DESCRIPTION OF PROCESSES:

- a. Specify the estimated annual screening production in tons.
- b. State if the plant is temporary or permanent. If temporary, state the period proposed for use.
- c. Specify the hours per day, days per week, and weeks per year the facility is to be operated. This includes all screening operations, all days that involve truck load-out, and any loader operations.
- d. Topsoil removal and storage - provide information on the amount of material removed and stored, and how dust will be controlled.
- e. State the materials used in surfacing the plant area and plant roads.
- f. State how many acres the facility covers, including screening operations, piles, all areas that loaders traverse, etc.
- g. State the type of trucks or trailers (single dump, flat bed, or bottom dump tandems, etc.), average load per truck.
- h. State the number of miles (to the nearest 1/4 of a mile) that haul trucks will traverse on unpaved roads (from the facility entrance off a paved road to the truck load-out area and back to the paved road). Provide the maximum vehicle speed that will be allowed on unpaved haul roads. Provide the silt content of the unpaved haul roads.
- i. Describe all dust controls. Include the locations and number of spray nozzles on the drawing or sketch. Describe what type of dust controls will be used on haul roads (i.e. water truck spraying down roads six times per day, as needed), and piles.
- j. Provide copies of the screen manufacturer's performance specifications. This will include rated capacities, power source specifications, fuel type and consumption, whether electrically or hydraulically powered, etc.
- k. Provide an estimate of the fuel consumption for the screening power plant (excluding fuel for trucks, loaders, and mobile equipment).
- l. Drilling and Blasting: provide the estimated number of holes drilled and number of blasts that will occur annually.
- m. Blasting: provide the type of explosive used and an estimate of the weight of explosive used annually.

NOTE: When applicable, the manufacturer's catalog may be used to provide the information required in this section. After the authority to construct is granted for any equipment, deviations from the approved plans are not permissible without first securing additional approval for the changes from the Northern Sierra Air Quality Management District.

5. DISCLOSURE OF SERPENTINE / ULTRAMAFIC ROCK: State if the material to be crushed/screened is obtained from a geographic ultramafic rock unit or has naturally-occurring asbestos, serpentine, or ultramafic rock.

6. INTENDED USE OF MATERIAL: State the intended use for the material.