NORTHERN SIERRA AIR QUALITY MANAGEMENT DISTRICT

# ADDITIONAL TECHNICAL INFORMATION
# CONCRETE BATCH PLANT

**1. Company Name:** _____

**2. Operating Schedule:**

☐ Permanent ☐ Temporary Expected length of operation: _____

a. Maximum Hours of Operation per day: _____

b. Maximum Days of Operation per quarter: _____

**3. Equipment Location Drawing:** The drawing or sketch submitted must show at least the following:

a. The property involved, including the location and height of all buildings on it. Identify property lines plainly.

b. Location and identification of all equipment, conveyors, stock piles, batching plants, bins, silos, engines and boilers. Indicate the flow of process material. All equipment items shown should be labeled in a manner corresponding to the list of equipment provided in item 4.

c. Identify the roads in and out that handle vehicle or truck traffic. Notate which roads are paved or unpaved.

**4. Equipment Description:**

a. Will the Plant be used for: ☐ Dry Batching ☐ Wet Batching ☐ Both

b. Plant Manufacturer: _____

Model: _____

c. How is the plant powered: ☐ Generator ☐ Hook-up to electric utility service

☐ Other: _____

If powered by a generator, fill out the Additional Technical Information for Engines.

d. Capacities of storage bins for aggregate:

| PRODUCT STORAGE BINS | CAPACITY IN CUBIC FEET | DIMENSIONS |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

e. Capacities of silos for cement, flyash and/or other:

| PRODUCT SILOS | CAPACITY IN CUBIC FEET | DIMENSIONS |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

f. Sizes of all conveyors (length and belt size):

| CONVEYOR ID | CONVEYER SIZE | MOTOR (S) HORSEPOWER (HP) |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

g. Give the specifications for the usual type of batches to be produced in the plant:

_____

_____

h. Is there a boiler(s) and/or hot water heater(s) of a total rating greater than one million BTU/hour associated with this plant: ☐Yes ☐No

If yes, fill out the Additional Technical Information for Boilers, Steam Generators, Process Heaters, Kilns.

i. Type of trucks or trailers (transit mix trucks, etc.):

_____

_____

Average number loaded per hour: _____

j. Is a water ring or baghouse is used to control dust at the truck loadout:
☐Yes ☐No

If yes, describe: _____

_____

k. Maximum cubic yards to be produced per hour: _____
Maximum cubic yards to be produced per day: _____
Maximum cubic yards to be produced per quarter: _____

l. Surface materials in the plant area: _____
Surface materials on the plant roads: _____

**5. Baghouse(s) On Silo(s):**

a. Manufacturer: _____

Model number: _____

b. Bags: _____

Size: _____

Cloth area: _____

Manufacturer's Control Efficiency of the baghouse(s): _____

c. Maximum tons of cement to be transferred to the silo in any one hour: _____

Maximum tons of cement to be transferred to the silo in any one day: _____

d. Specify:

1) The volumetric air capacity of any pneumatic silo loading system used, in cubic feet per minute: _____

2) The cement transport vehicle-unloading rate, in pounds of cement per minute or tons per hour: _____

3) The maximum truck capacity, in tons: _____

4) The minimum time, in minutes, required to unload such a truck to the silo: _____

5) Magnahelic gauge on baghouse: ☐ Yes ☐ No

**6. Emissions:**

Estimate the total emissions per day and per quarter for the following pollutants from the stationary source equipment (such as PM-10 from baghouse exhaust). These must include both fugitives and those that exit through a stack:

| Value | | lbs/hour |
|---|---|---|
| _____ | VOC | _____ |
| _____ | CO | _____ |
| _____ | NOx | _____ |
| _____ | SOx | _____ |
| _____ | PM-10 | _____ |

## 7. Fugitive Dust Plan:

Include a written plan for controlling fugitive dust at the facility. For example, this plan may include, but not be limited to, the following when applicable:

a. Planned frequency of watering or use of dust suppressants on roads

b. Sweeping of paved areas and roads

c. Watering of aggregate stockpiles