San Joaquin Valley Air Pollution Control District
Supplemental Application Form

Concrete Batch Plants

This form must be accompanied by a completed Authority to Construct/Permit to Operate Application form

PERMIT TO BE ISSUED TO:
LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:

EQUIPMENT DESCRIPTION

Batch Plant Data	Manufacturer (if applicable):	
	Model Number (if applicable):	
	Maximum Rated Horsepower of all electric motors:_____ hp	
	Is the operation powered by an internal combustion engine? [ ] No [ ] Yes (Note: If engine is rated at greater than 50 hp an *IC Engine Supplemental Application* form is required.)	
	Central Mixer Batch Capacity (if applicable): _____ yd^3	
Cement Silo(s) Data	Total Number of Silos: ___	Volume of each silo: _____ gal or ft^3 (circle one)
	Type of Control: [ ] Baghouse/Dust Collector (supplemental application required [ ] None [ ] Other (please specify):	
Fly Ash Silo(s) Data	Total Number of Silos: ___	Volume of each silo: _____ gal or ft^3 (circle one)
	Type of Control: [ ] Baghouse/Dust Collector (supplemental application required [ ] None [ ] Other (please specify):	

PROCESS DESCRIPTION

Maximum Cement Silo Loading Throughput	_____ ton/day	_____ ton/yr	**Maximum Cement Silo Unloading Throughput**	_____ ton/day	_____ ton/yr
Maximum Fly Ash Silo Loading Throughput	_____ ton/day	_____ ton/yr	**Maximum Fly Ash Silo Unloading Throughput**	_____ ton/day	_____ ton/yr
Maximum Aggregate Throughput	_____ ton/day	_____ ton/yr	**Maximum Sand Throughput**	_____ ton/day	_____ ton/yr
Maximum Concrete Output	_____ yd^3/day	_____ yd^3/yr			
Provide an Equipment Listing, Site Plan, and Material Flow Chart (on a separate document)	a) Provide an equipment listing that includes the manufacturer and model number of all major components. b) Provide a typical Site Plan for a maximum throughput scenario (include all process, control, and transfer equipment) c) Provide a Material Flow Chart for a maximum throughput scenario. (Include all process, control, and transfer equipment, their types, and their maximum ratings. Also include transfer points, stockpiles and air pollution control methods.				

PROCESS DESCRIPTION (Continued)

Is this a "Wet Mix" type plant?	[ ] Yes [ ] No	**Is this a "Transient Mix" dry type plant?**	[ ] Yes [ ] No
Mechanical Cement Transfer Points	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Other (please specify) [ ] None	
Pneumatic Cement Transfer Points	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Other (please specify) [ ] None	
Cement Weigh Hopper Transfer Points	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Other (please specify) [ ] None	
Mechanical Fly Ash Transfer Points	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Other (please specify) [ ] None	
Pneumatic Fly Ash Transfer Points	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Other (please specify) [ ] None	
Fly Ash Weigh Hopper Transfer Points	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Other (please specify) [ ] None	
Mechanical Aggregate Transfer Points	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Water Spray, ___% Moisture Content [ ] Other [ ] None	
Mechanical Sand Transfer Points	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Water Spray, ___% Moisture Content [ ] Other (please specify) [ ] None	
Sand and Aggregate Weigh Hopper Transfer Points	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Water Spray, ___% Moisture Content [ ] Other [ ] None	
Concrete Transfer Points (Truck Loading)	Number of Points: _____	Quantity of transfer points controlled by: [ ] Fabric Filter [ ] Bin Vent Filter [ ] Water Spray, ___% Moisture Content [ ] Shroud [ ] None	

PLANT LAYOUT DESCRIPTION

Total Area of Unpaved Roads within the Plant	Area:_____acre or ft^2 (circle one)	Type of control: [ ] Water [ ] Oil/Dust Palliate [ ] Other (please specify):
Total Area of Aggregate Piles within the Plant	Area:_____acre or ft^2 (circle one)	Type of control: [ ] Water [ ] Physical Covering [ ] Retaining Walls [ ] Other (please specify):

HEALTH RISK ASSESSMENT DATA

Operating Hours	Maximum Operating Schedule:_____hours per day, and_____hours per year		
Receptor Data	Distance to nearest Residence	_____feet	Distance is measured from the proposed stack location to the nearest boundary of the nearest apartment, house, dormitory, etc.
	Direction to nearest Residence		Direction from the stack to the receptor, i.e. North or South.
	Distance to nearest Business	_____feet	Distance is measured from the proposed stack location to the nearest boundary of the nearest office building, factory, store, etc.
	Direction to nearest Business	_____	Direction from the stack to the receptor, i.e. North or South.
Stack Parameters	Release Height	feet above grade	
	Stack Diameter	inches at point of release	
	Rain Cap	[ ] Flapper-type [ ] Fixed-type [ ] None [ ] Other:	
	Direction of Flow	[ ] Vertically Upward [ ] Horizontal [ ] Other: ° from vert. or ° from horiz.	
Exhaust Data	Flowrate:_____acfm	Temperature:_____°F	
Facility Location	[ ] Urban (area of dense population) [ ] Rural (area of sparse population)		

Describe any additional air pollution control equipment or technologies, including control efficiencies, on a separate document and submit it along with this form.