Concrete Batch Plant Application Form - 46

Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110-1315

This form may be used for new plants as well as plant modifications. Please also complete the APCD Form – 01 (*General Permit Application*) for each permitting action. Mail the completed forms and appropriate filing fee to the Air Pollution Control District (APCD) at the above address.

1. Plant Location

Facility/Source			
Street Address / Nearest Cross Streets			
City		Zip Code	

2. Permit Application Reason

☐ New Plant ☐ Plant Modification. Reason for Modification: _____

_____

* Only fill in the applicable sections of this form for the new or modified equipment associated with the plant modification. Attach a separate page if needed.

3. General Plant

Facility Type (check one)	☐ Truck Mix ☐ Central Mix ☐ Portable (To be Used Various Locations Only)		
Concrete Throughput	yd^3/hr		yd^3/day
Plant Operating Schedule	hrs/day		days/yr
Plant Manufacturer		Plant Model Number	

☐ Yes ☐ No Do you have the manufacturer's specification sheet/brochures for any/all plant equipment? If yes, please attach to this application form. If not, reason: _____

4. Aggregate Storage Piles

AGGREGATE STORAGE PILE CONTROLS

☐ Water Spray ☐ Chemical Suppression ☐ Vented to Baghouse ☐ Physical Covering

☐ Other (Describe): _____

Sand/Aggregate Storage Pile Description	Material Stored	Area (acres)	Volume (tons)	Enclosure Description
1.		acres	tons	
2.		acres	tons	
3.		acres	tons	
4.		acres	tons	
5.		acres	tons	

For APCD use only: **FID #** **App #**

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AGGREGATE STORAGE PILE CONDITIONS

Sand/Aggregate Storage Pile Description	Wind Speed at Material Drop Point (U)	Moisture Content of Material (M)
1.	☐ Use site specific,_____ mph (range is 1.3-15 mph) ☐ Use default (APCD wind speed data based on location)	% by weight (range is 0.25-4.8%)
2.	☐ Use site specific, _____ mph (range is 1.3-15 mph) ☐ Use default (APCD wind speed data based on location)	% by weight (range is 0.25-4.8%)
3.	☐ Use site specific, _____ mph (range is 1.3-15 mph) ☐ Use default (APCD wind speed data based on location)	% by weight (range is 0.25-4.8%)
4.	☐ Use site specific, _____ mph (range is 1.3-15 mph) ☐ Use default (APCD wind speed data based on location)	% by weight (range is 0.25-4.8%)
5.	☐ Use site specific, _____ mph (range is 1.3-15 mph) ☐ Use default (APCD wind speed data based on location)	% by weight (range is 0.25-4.8%)

☐ Yes ☐ No Clear and unambiguous documentation for the proposed material moisture content is attached.

☐ Yes ☐ No Clear and unambiguous documentation for the proposed wind speed is attached (if applicable).

* The APCD will not accept a proposed material moisture content or a proposed wind speed without supporting documentation.

5. Loading Hoppers

Loading Hopper Description	Material Loaded	Capacity	Max Feed Rate
1.		tons	tons/hr
2.		tons	tons/hr
3.		tons	tons/hr

6. Aggregate Bins

AGGREGATE BIN CONTROLS

☐ Water Spray ☐ Chemical Suppression ☐ Vented to Baghouse ☐ Enclosed

☐ Other (Describe): _____

Aggregate Bin Description	Material Stored	Number of Compartments	Capacity	Max Feed Rate
1.			tons	tons/hr
2.			tons	tons/hr
3.			tons	tons/hr

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7. Conveyors

CONVEYOR CONTROLS

☐ Water Spray ☐ Chemical Suppression ☐ Vented to Baghouse ☐ Enclosed

☐ Other (Describe):_____

Conveyor Description	Material Loaded	Height	Length	Max Feed Rate	Electric Motor
1.		ft	ft	tons/hr	hp
2.		ft	ft	tons/hr	hp
3.		ft	ft	tons/hr	hp
4.		ft	ft	tons/hr	hp
5.		ft	ft	tons/hr	hp

8. Silo Blowers

Blower Description (Process Associated With)	Manufacturer	Model	Serial Number	Electric Motor
1.				hp
2.				hp

9. Silos

CEMENT SILO CONTROLS

☐ Baghouse ☐ Cartridge/ Bin Vent ☐ Other (Describe):_____

Cement Silo Description	Max Feed Rate	Capacity
1.	tons/hr	tons
2.	tons/hr	tons
3.	tons/hr	tons

FLY ASH SILO CONTROLS

☐ Baghouse ☐ Cartridge/ Bin Vent ☐ Other (Describe):_____

Fly Ash Silo Description	Max Feed Rate	Capacity
1.	tons/hr	tons
2.	tons/hr	tons
3.	tons/hr	tons

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10. Weigh Batchers

CEMENT WEIGH BATCHER CONTROLS

☐ Water Spray ☐ Chemical Suppression ☐ Vented to Baghouse ☐ Enclosed

☐ Other (Describe): _____

AGGREGATE WEIGH BATCHER CONTROLS

☐ Water Spray ☐ Chemical Suppression ☐ Vented to Baghouse ☐ Enclosed

☐ Other (Describe): _____

Weigh Batcher Description	Material Loaded	Max Feed Rate	Capacity	Enclosure Description
1.		tons/hr	tons	
2.		tons/hr	tons	
3.		tons/hr	tons	

11. Truck Mix/Central Mix Loading Operations

TRUCK MIX/CENTRAL MIX LOADING OPERATIONS CONTROLS

☐ Vented to Baghouse ☐ Enclosed. Description of enclosure: _____

☐ Other (Describe): _____

Wind Speed at Material Drop Point (U)	Minimum Moisture Content of Cement/Cement Supplement (M)
☐ Use site specific, _____ mph ☐ Use default (APCD wind speed data based on location)	% by weight. (Range is 0.07-1.07%)

☐ Yes ☐ No Clear and unambiguous documentation for the proposed cement and cement supplement moisture content is attached.

☐ Yes ☐ No Clear and unambiguous documentation for the proposed wind speed is attached (if applicable).

* The APCD will not accept a proposed cement and cement supplement moisture content or a proposed wind speed without supporting documentation.

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12. Plant Roads

PAVED ROAD CONTROLS

☐ Water Spray ☐ Other (Describe): _____

Paved Road Vehicle Miles Traveled (VMT)	Mean Vehicle Weight (W)	Road Surface Silt Loading (SL)
miles	tons	☐ Use site specific,_____g/m^2 ☐ Use default, 12 g/m^2

☐ Yes ☐ No Clear and unambiguous documentation for the site specific road surface silt loading value is attached (if applicable).

* The APCD will not accept a proposed road surface silt loading value without supporting documentation.

UNPAVED ROAD CONTROLS

☐ Water Spray ☐ Oil/Dust Palliate ☐ Other (Describe): _____

Unpaved Road Vehicle Miles Traveled (VMT)	Mean Vehicle Weight (W)	Surface Material Silt Content (S)
miles	tons	☐ Use site specific,_____% ☐ Use default, 10%

☐ Yes ☐ No Clear and unambiguous documentation for the site specific surface material silt content is attached (if applicable).

* The APCD will not accept a proposed surface material silt content without supporting documentation.

13. Control Devices

☐ Yes ☐ No A separate Form-47 is attached for each fabric filter, baghouse, cartridge/ bin vent, etc. being installed.

14. Site Plan and Process Flow Diagram

Please supply the following on an attached separate sheet of paper.

a. A **Site Plan** including locations of all process, control, and transfer equipment. Identify property/ boundary lines, buildings on the property, material storage locations, and paved/unpaved areas. See Attachment A for an example concrete batch plant site plan.

b. A **Process Flow Diagram** including all process, control, and transfer equipment, their types, and their maximum ratings. Also include transfer points, stockpiles, and air pollution control methods. See Attachment B for an example concrete batch plant process flow diagram.

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15. Applicant/Preparer Statement

The person who prepares the application also must sign this form. The preparer may be an employee of the owner/operator or an authorized agent (contractor/consultant) working on behalf of the owner/operator (an *Authorized agent Form -01A* is required).

I certify pursuant to H&SC Section 42303.5 that all information contained herein and information submitted with this application is true and correct.

Completed By	Company
Signature	Date

16. Application Checklist (Have you submitted all the required information? Please check off the boxes.)

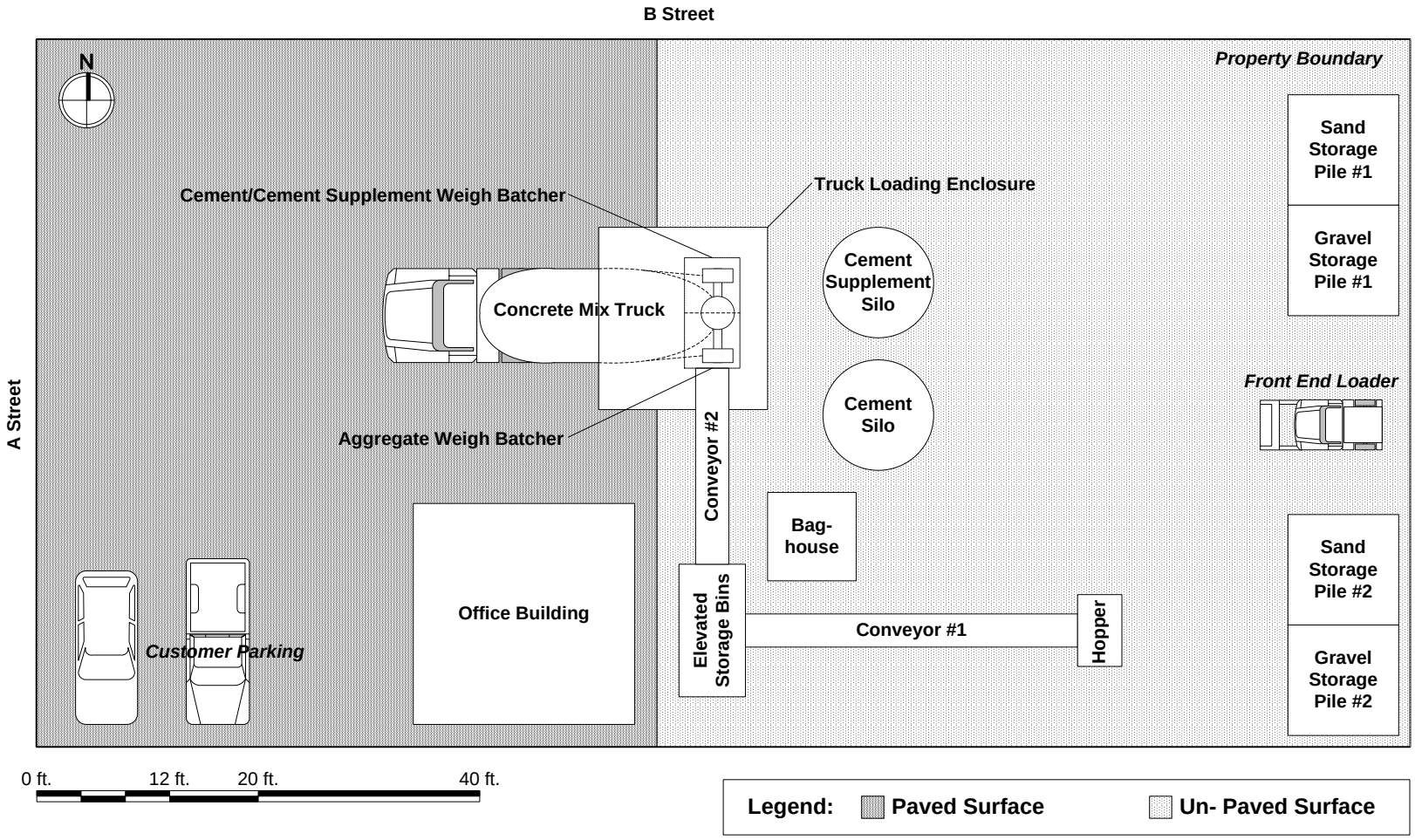
- ☐ Form - 01 (*Permit Application Form*) attach one Form -01.
- ☐ Form - 01A (*Authorized Agent Form*) attach if this application was prepared by and /or if correspondence s requested to be sent to an Authorized Agent (e.g., contractor or consultant). This form must accompany each Form -01 application.
- ☐ Form - 47 (*Fabric Filter Information Form*) attach one Form -47 for each fabric filter (baghouse, bin vent, etc.).
- ☐ Manufacturer specification sheets/brochures for equipment specified in this form (*if available*).
- ☐ Supporting documentation for plant-specific parameters as specified in *Truck Mix/Central Mix Loading Operations* and/or *Plant Road Information* sections (if applicable).
- ☐ Permit application filing fee.
- ☐ Facility Site Plan and Process Flow Diagram as specified in *Site Plan and Process Flow Diagram* section.
- ☐ Form – 15 (*Health Risk Assessment Application*) for new plants only.

PLEASE NOTE THAT FAILURE TO COMPLETELY PROVIDE ALL REQUIRED INFORMATION OR FEES WILL RESULT IN YOUR APPLICATION BEING RETURNED OR DEEMED INCOMPLETE.

Attachment A

Concrete Batch Plant Schematic

Example Concrete Batch Plant Site Plan:



Attachment B

Concrete Batch Plant Process Flow Diagram

Example Concrete Batch Plant Process Flow Diagram: