

# Air Quality Permit Application Form 5.0: Facility Information

**FACILITY NAME:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**DWEE Facility ID:** \_\_\_\_\_

## Section 5.4: Concrete Batch Plant Facility Information

**IMPORTANT: READ THE INSTRUCTIONS ACCOMPANYING THIS SECTION BEFORE COMPLETING.**

Do **NOT** use pencil to fill out this application. Please type responses or print using black ink.

### General Information

1) Type of Concrete Batch Plant: ☐ Truck Mix ☐ Central Mix ☐ Other: \_\_\_\_\_

2) Maximum amount of concrete that can be produced: \_\_\_\_\_  
☐ tons/hour ☐ yd<sup>3</sup>/hour ☐ Other: \_\_\_\_\_  
☐ tons/year ☐ yd<sup>3</sup>/year ☐ Other: \_\_\_\_\_

3) Note: Manufacturers specifications are required for each emission unit listed in #7 generator, #9 water heater, and #11 concrete production operations as part of step 14.

### 4) Operating Schedule ☐ Anticipated ☐ Actual

hours/day \_\_\_\_\_ days/week \_\_\_\_\_ weeks/year \_\_\_\_\_

### 5) Concrete Composition Information

Indicate the percentages of each material that is combined to make the final product:

Aggregate	%	Cement Supplement	%
Sand	%	Water	%
Cement	%	Other: _____	%

### 6) Permanent Storage Information

Complete the following information for each permanent storage unit located at the source:

Unit ID	Installation Date	Type	Capacity (tons)	Material Stored

If there are more than four permanent storage units (i.e., silos and bins), attach additional information so that each unit is described.

If an open storage pile(s) will be used for material storage, complete Section 6.11 for each storage pile.

### Combustion Equipment

Attach the manufacturers specifications for each unit (generator and/or water heater) as part of Step 14.

7) Is there a generator located on site? ☐ Yes ☐ No

8) Maximum Rated Capacity: ☐ MMBtu/hr ☐ HP ☐ KW Fuel Type(s): \_\_\_\_\_

9) Is there a water heater located on site? ☐ Yes ☐ No

10) Maximum Rated Capacity: \_\_\_\_\_ MMBtu/hr Fuel Type(s): \_\_\_\_\_

If more than one emergency generator or water heater exists on site, attach additional information so that each unit is described. Be sure to complete Section 6.1 for each water heater or boiler and Section 6.2 for each generator located on site.

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### 11) Concrete Production Operations

For the following operations, indicate the type(s) of control installed on each operation.  
Attach the manufacturers specifications for each unit (generator and/or water heater) as part of Step 14.

Process/Operation	Control Device(s)
Aggregate Handling	<input type="checkbox"/> Water Spray <input type="checkbox"/> Enclosure <input type="checkbox"/> Hood <input type="checkbox"/> Curtain <input type="checkbox"/> Other: _____ <input type="checkbox"/> Moveable/Telescoping Chute <input type="checkbox"/> Cyclone <input type="checkbox"/> Fabric Filter <input type="checkbox"/> None
Sand Transfer	<input type="checkbox"/> Water Spray <input type="checkbox"/> Enclosure <input type="checkbox"/> Hood <input type="checkbox"/> Curtain <input type="checkbox"/> Other: _____ <input type="checkbox"/> Moveable/Telescoping Chute <input type="checkbox"/> Cyclone <input type="checkbox"/> Fabric Filter <input type="checkbox"/> None
Cement Silo Loading	<input type="checkbox"/> Water Spray <input type="checkbox"/> Enclosure <input type="checkbox"/> Hood <input type="checkbox"/> Curtain <input type="checkbox"/> Other: _____ <input type="checkbox"/> Moveable/Telescoping Chute <input type="checkbox"/> Cyclone <input type="checkbox"/> Fabric Filter <input type="checkbox"/> None
Cement Supplement Loading	<input type="checkbox"/> Water Spray <input type="checkbox"/> Enclosure <input type="checkbox"/> Hood <input type="checkbox"/> Curtain <input type="checkbox"/> Other: _____ <input type="checkbox"/> Moveable/Telescoping Chute <input type="checkbox"/> Cyclone <input type="checkbox"/> Fabric Filter <input type="checkbox"/> None
Weigh Hopper Loading	<input type="checkbox"/> Water Spray <input type="checkbox"/> Enclosure <input type="checkbox"/> Hood <input type="checkbox"/> Curtain <input type="checkbox"/> Other: _____ <input type="checkbox"/> Moveable/Telescoping Chute <input type="checkbox"/> Cyclone <input type="checkbox"/> Fabric Filter <input type="checkbox"/> None
Truck Loading (truck mix plants only)	<input type="checkbox"/> Water Spray <input type="checkbox"/> Enclosure <input type="checkbox"/> Hood <input type="checkbox"/> Curtain <input type="checkbox"/> Other: _____ <input type="checkbox"/> Moveable/Telescoping Chute <input type="checkbox"/> Cyclone <input type="checkbox"/> Fabric Filter <input type="checkbox"/> None
Mixer Loading (central mix plants only)	<input type="checkbox"/> Water Spray <input type="checkbox"/> Enclosure <input type="checkbox"/> Hood <input type="checkbox"/> Curtain <input type="checkbox"/> Other: _____ <input type="checkbox"/> Moveable/Telescoping Chute <input type="checkbox"/> Cyclone <input type="checkbox"/> Fabric Filter <input type="checkbox"/> None
Other: _____	<input type="checkbox"/> Water Spray <input type="checkbox"/> Enclosure <input type="checkbox"/> Hood <input type="checkbox"/> Curtain <input type="checkbox"/> Other: _____ <input type="checkbox"/> Moveable/Telescoping Chute <input type="checkbox"/> Cyclone <input type="checkbox"/> Fabric Filter <input type="checkbox"/> None

### 12) New Source Performance Standard Applicability

The Concrete Batch Plant is ☐ NSPS, Subpart OOO ☐ Other \_\_\_\_\_  
subject to: ☐ None

If Unknown contact the Department for additional information.

**13) Attach PTE Calculations for Concrete Batch Plant** ☐

**14) Attach Manufacturer's Specifications for any Generators listed in #7, Water Heaters listed in #9, and any applicable control device listed in #11** ☐

**15) Additional Information Attached?** ☐ YES ☐ NO

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Complete and Submit Page 3 of 3 ONLY if completing this Section as Part of an Operating Permit Application

16) Actual Concrete Production Rates					
Provide the amount of concrete produced at this source for the past five years:					
Year					
Throughput (_____/year)					
17) Current Operating Limitations <input type="checkbox"/> N/A					
Identify all permitted operational restrictions that are currently applicable to the concrete batch plant:					
If more space is necessary, attach additional information so that each permit limit is identified.					
18) Attach Actual Emission Calculations for Concrete Operations. <input type="checkbox"/>					
19) Additional Information Attached? <input type="checkbox"/> YES <input type="checkbox"/> NO					