



Bureau of Air Quality
General Permit Application
Concrete Plants

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Application Type	
<i>(Select the type of permit being requested - one selection only and describe the project with all limits being taken)</i>	
<input type="radio"/> General Construction Permit	
<input type="radio"/> General State Operating Permit	
<input type="radio"/> General Conditional Major Operating Permit	

Facility Information	
Air Permit Number (Leave blank if one has never been assigned)	Application Date
<input type="text"/>	<input type="text"/>
Facility Name	Facility Federal Tax Identification Number
<input type="text"/>	<input type="text"/>

Facility Physical Address			
Physical Address:	<input type="text"/>	County:	<input type="text"/>
City:	<input type="text"/>	State: SC	Zip Code: <input type="text"/>
Facility Coordinates (Based on front door or main entrance of the facility)			
Latitude:	<input type="text"/>	Longitude:	<input type="text"/>
		<input type="radio"/> NAD27 (North America Datum 1927)	
		<input type="radio"/> NAD83 (North America Datum 1983)	

Facility's Products/Services	
Primary SIC Code (Standard Industrial Classification Code)	Primary NAICS Code (North American Industry Classification Code)
<input type="text"/>	<input type="text"/>

Air Permit Facility Contact			
<i>(Person at the facility who can answer technical questions about the facility's operations and permit applications)</i>			
Title/Position:	Salutation:	First Name:	Last Name:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mailing Address:			
<input type="text"/>			
City:	State:	Zip Code:	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
Email Address:	Phone Number:	Cell Phone Number:	
<input type="text"/>	<input type="text"/>	<input type="text"/>	



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Owner or Operator

Title/Position:	Salutation:	First Name:	Last Name:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Mailing Address:

City:	State:	Zip Code:
<input type="text"/>	<input type="text"/>	<input type="text"/>

Email:	Phone Number:	Cell Phone Number:
<input type="text"/>	<input type="text"/>	<input type="text"/>

I certify that this facility meets the criteria and agrees to the conditions and terms of the permit. I certify, to the best of my knowledge and belief, that no applicable standards and/or regulations will be contravened or violated. I certify that any application form, report, or compliance certification submitted in this permit application is true, accurate, and complete based on information and belief formed after reasonable inquiry. I understand that any statements and/or descriptions, which are found to be incorrect, may result in the immediate revocation of any permit issued for this application.

Signature of Owner or Operator

Date

Professional Engineer
(Only complete this section if applying for coverage under the General Construction Permit for Concrete Plants)

Consulting Firm Name:

Title/Position:	Salutation:	First Name:	Last Name:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Mailing Address (if different):

City:	State:	Zip Code:
<input type="text"/>	<input type="text"/>	<input type="text"/>

Email Address:	Phone Number:	Cell Phone Number:
<input type="text"/>	<input type="text"/>	<input type="text"/>

SC License/Registration Number:

I have placed my signature and seal on the engineering documents submitted, signifying that I have reviewed this permit application as it pertains to the requirements of *South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards*.

Signature of Professional Engineer

Date



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Plant Information

(If requesting coverage for more than one plant at a site, complete and submit the "Plant Information" section for each plant, including separate emissions calculators. Provide supporting documentation (i.e. manufacturer's specification sheets) for the plant, dust collector(s), binvent(s), etc., as applicable).

Plant ID:	<input type="text"/>	Type of Plant:	<input type="radio"/> Truck Mix	<input type="radio"/> Central Mix	<input type="radio"/> Pugmill
Manufacturer's Name and Model Number:	<input type="text"/>	Manufacturer's Maximum Rated Capacity (yd ³ /hr):	<input type="text"/>		
Original Date of Manufacture:	<input type="text"/>	Date of Installation at Facility:	<input type="text"/>		
Number of Single Compartment Silos:	<input type="text"/>	Number of Multi-Compartment (Split) Silos:	<input type="text"/>		
Materials Utilized at this Plant:	<input type="text"/>	If Temporary, Planned Duration of Project:	<input type="text"/>		

Control Equipment

(If there is more than one control device with the same make/model, please add the suffix #1, #2, etc. If the same control device is listed for more than one location and no suffix is present, it will be interpreted as one device servicing two areas.)

Location	Make	Model	Efficiency (%)	Dust Collection System?	Binvent?	Filter Type
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Would these control devices be installed without any pollution regulations?	<input type="text"/>
Is any material recovered recycled back into the process?	<input type="text"/>
Will the process ever be running without the control device operating?	<input type="text"/>



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Tanks		
Detailed Description	Capacity (Gallons)	Installation Date

OTHER EMISSIONS SOURCES							
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Fuel Burning Equipment							
Fuel Combustion Source	Rated Heat Capacity (x 10 ⁶ BTU/hr)	Make	Installation Date/ Modification Date	Primary Fuel	Maximum Sulfur Content (%)	Secondary Fuel	Maximum Sulfur Content (%)

Other Equipment			
(List any other sources of emissions subject to air quality regulations, including those which are considered exempt in accordance with S.C. Regulation 61-62.1, Section II(B).)			

Detailed Description	Capacity/Size (units)	Installation Date	Exempt?



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EMISSIONS FROM OTHER SOURCES														
Uncontrolled Emissions														
Source	PM		PM10		PM2.5		SO2		NOx		CO		VOC	
	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)
Controlled Emissions														
Source	PM		PM10		PM2.5		SO2		NOx		CO		VOC	
	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)
Totals														
Facility Parameters														
Concrete Composition							Aggregate and Sand Parameters							
Aggregate (lb/yd3)							Mean Wind Speed (MPH)							
Sand (lb/yd3)							Aggregate Moisture Content (%)							
Cement (lb/yd3)							Sand Moisture Content (%)							
Cement Supplement (lb/yd3)							Loading/Mixing Controlled?							
Water (gal/yd3)							Loading/Mixing Inherent?							
Total Weight (ton/yd3)							Reminder: If not using cement supplement, compensate with more cement (Default is 564 lbs)							



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Uncontrolled PM Emissions						
Activity	PM		PM10		PM2.5	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Aggregate delivery to ground storage						
Sand delivery to ground storage						
Aggregate delivery to conveyor						
Sand delivery to conveyor						
Aggregate delivery to elevated storage						
Sand delivery to elevated storage						
Cement delivery to silo						
Cement supplement delivery to silo						
Weigh hopper loading						
Truck or Mixer Loading						
Totals						

Controlled PM Emissions						
Activity	PM		PM10		PM2.5	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
Aggregate delivery to ground storage						
Sand delivery to ground storage						
Aggregate delivery to conveyor						
Sand delivery to conveyor						
Aggregate delivery to elevated storage						
Sand delivery to elevated storage						
Cement delivery to silo						
Cement supplement delivery to silo						
Weigh hopper loading						
Truck or Mixer Loading						
Totals						

Note: A cement silo is always assumed to be present. Cement/cement supplement delivery to silo and weigh hopper is assumed to be controlled. Tons/year calculated for 8,760 hr.

Metal Emissions											
Pollutant	Uncontrolled						Controlled		De Minimis Analysis*		
	Truck/Mixer Loading		Cement Silo Filling		Supplement Silo Filling		Truck/Mixer Loading		Rate	De Minimis Rate	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr	lb/day	lb/day	Below?
Arsenic											
Beryllium											
Cadmium											
Total Chrome											
Lead											
Manganese											
Nickel											
Total Phosphorus											
Selenium											

- *Notes:
- 1) De Minimis analysis is only used if case-by-case modeling is required for another reason
 - 2) Lead is a criteria pollutant and thus does not have a de minimis value.
 - 3) De Minimis rate used for Total Chrome is Chrome6 rate and Manganese compounds.
 - 4) De Minimis assumes 24 hours per day, rounded to 3 decimal places for comparison