General Permit Application Form for Concrete Batch Plants
North Carolina Division of Air Quality

Instructions: Please complete Sections 1 through 12 of this permit application. The information provided in this application will be used to determine whether your facility qualifies for a general permit.

Revised March 4, 2010

Section 1. General Information		
Legal Corporate/Owner Name:		
Site Name:		
Site Address (911 Address) Line 1:		
Site Address Line 2:		
City:	County:	Zip Code:

Section 2. Contact Information	
Permit/Technical Contact	**Facility/Inspection Contact**
Name:	Name:
Title:	Title:
Mailing Address:	Mailing Address:
City: State: Zip Code:	City: State: Zip Code:
Phone No.	Phone No.
Email Address:	Email Address:
Responsible Official/Authorized Contact	**Invoice Contact**
Name:	Name:
Title:	Title:
Mailing Address:	Mailing Address:
City: State: Zip Code:	City: State: Zip Code:
Phone No.	Phone No.
Email Address:	Email Address:

Section 3. Facility (Plant Site) Information	
Describe nature of (plant site) operations:	
Primary SIC or NAICS Code:	
Current Air Permit No.:	Facility ID Number (if known):
Does this application contain confidential data? (Yes or No. If yes see instructions):	

Section 4. Facility (Plant Site) Coordinates	
Latitude:	Longitude:

Section 5. Person or Firm that Prepared Application			
Person Name:		Firm Name:	
Mailing Address:			
City:	State:	Zip Code:	County:
Phone No.		Email Address:	

Section 6. Signature of Responsible Official/Authorized Contact	
Name (printed):	Title:
X Signature (Blue Ink):	Date:

Section 7. Survey of Facility Reduction & Recycling Activities (See Pages 8-9 for Instructions)				
Facility Name:				
Mailing Address:				
City:	State:	Zip Code:	County:	
Phone No.	Email address:			
Pollutant	**Ongoing Source Reduction Activities (Enter Code)**	**Quantity Emitted Before Reduction (lbs/yr)**	**Quantity Emitted After Reduction (lbs/yr)**	**Planned Source Reduction Activities (Enter Code)**
Attach additional sheets as necessary. For assistance with this section please contact the North Carolina Division of Pollution Prevention and Environmental Assistance at 1-800-763-0136 or nowaste@p2pays.org				

Section 8. Common Qualifications for a General Permit		
Check the appropriate answer:	**Yes**	**No**
1. Does the facility have an air quality permit? **If yes, provide the current permit number in the space provided:** **Permit No. _____**		
2. Is the facility subject to 40 CFR Part 68 "Prevention of Accidental Releases" – Section 112(r) of the Federal Clean Air Act?		
3. Does the facility have any emissions sources (i.e., weigh hopper, loading operation, and silos) that are not specifically listed in the General Permit which require permitting pursuant to 15A NCAC 2Q .0101?		
Answering "Yes" to Question Nos. 2 or 3 above disqualifies your facility from using a General Permit.		

Section 9. Qualifications for the Concrete Batch General Permit		
Check the appropriate answer:	**Yes**	**No**
1. Is your facility a truck-mix concrete batch plant?		
2. Are all emission sources (including the weigh hopper, the truck loading operation, and the silos) equipped with a fabric filter control device that is consistent with the control used during the emission factor development? *See footnote in Section 10.		
3. Are all emission sources at the facility subject solely to the air quality regulations listed below? 15A NCAC Subchapter 2D .0202, .0515, .0521, .0535, .0611, and .1100; and, 15A NCAC Subchapter 2Q .0310 and .0711.		

Section 9. Qualifications for the Concrete Batch General Permit		
Check the appropriate answer:	**Yes**	**No**
4. Is your facility located in one of the following counties: Alamance, Anson, Beaufort, Bladen, Brunswick, Cabarrus, Camden, Carteret, Caswell, Catawba, Chatham, Chowan, Cleveland, Columbus, Craven, Cumberland, Currituck, Dare, Davidson, Davie, Duplin, Durham, Edgecombe, Franklin, Gaston, Gates, Granville, Greene, Guilford, Halifax, Harnett, Hertford, Hoke, Hyde, Iredell, Johnston, Jones, Lee, Lenoir, Lincoln, Martin, Montgomery, Moore, Nash, New Hanover, North Hampton, Onslow, Orange, Pamlico, Pasquotank, Pender, Perquimans, Person, Pitt, Randolph, Richmond, Robeson, Rockingham, Rowan, Sampson, Scotland, Stanly, Stokes, Surry, Tyrrell, Union, Vance, Wake, Warren, Washington, Wayne, Wilson, Yadkin **a. If yes, identify the county in the space provided below:** **County:** _____		
5. Is the maximum hourly truck loadout rate equal to or less than 138 yd^3/hr?		

Section 9. Qualifications for the Concrete Batch General Permit		
Check the appropriate answer:	**Yes**	**No**
6. Does your facility limit annual concrete production in accordance with the General Permit limits, as described below?		

The facility may not process more concrete during any calendar year than the maximum production rate, as listed below, based on its "minimum distance to property line". "Minimum distance to property line" is the distance from the cement mixing weigh hopper to *closest point* of the facility's property line.

Minimum Distance to Property Line meters/feet	Maximum Concrete Production Rate * yd ^{3}/year
10 m / 32.8 ft	33,150
15 m / 49.2 ft	34,075
20 m / 65.6 ft	35,000
25 m / 82.0 ft	47,500
30 m / 98.4 ft	60,000
35 m / 114.8 ft	75,000
40 m / 131.2 ft	90,000
45 m / 147.6 ft	105,000
50 m / 164.0 ft	120,000
55 m / 180.4 ft	135,000
60 m / 196.8 ft	150,000

*The "Maximum Concrete Production Rate" may not be interpolated for property line distances falling between two values listed above. (For example, a facility with a "Minimum Distance to Property Line" of less than 60 meters but greater than or equal to 55 meters would be subject to a "Maximum Concrete Production Rate" of 135,000 yd^3/yr.)

a. Identify the <u>Minimum Distance to Property Line</u> in the space provided below:

_____meters -OR- _____feet

b. Identify the <u>Maximum Concrete Production Rate</u> in the space provided below:

_____ yd^3/yr

Answering "No" to any of the Question Nos. 1 through 6 above disqualifies your facility from using a General Permit.

Section 10. Specific Emission Source Information – Truck Loading Operation

a. Make/Model of Cement Mixing Weigh Hopper (if known): _____

b. Maximum Loading Rate (in yd^3/hr): _____

c. Dust Control Description (i.e., baghouse, etc): _____

d. Inlet Air Flow Rate (in acfm): _____

e. Filter Material: _____

f. *Filter Area (in square feet): _____

g. Describe the cleaning and maintenance procedures for the fabric filter:

*** Stack tests were performed at the request of the Ready-Mixed Concrete Research Foundation (RMC Research Foundation). Emission factors were developed from this stack testing performed in 2004 using a bagfilter which had at least 500 ft^2 filter area, an 8:1 air/cloth ratio, and therefore had an air flow rate of 4,000 ACFM. The control device on the truck load out must <u>at a minimum</u> conform to these parameters.**

Section 11. Zoning Consistency Determination. A Zoning Consistency Determination is required for <u>all facilities</u> applying for the General Permit for Concrete Batch Plants.

Check the appropriate answer:	**Yes**	**No**
1. Is this facility located in an area with zoning regulations? *If you answer "No", proceed to Section 11, Question 3 of this permit application.*		
2. If the facility is located in an area with zoning regulations, you must include a request for a zoning consistency determination with the permit application. As described in 15A NCAC 2Q .0304(b)(1), and according to G.S. 143-215.108(f), the request shall either: i. Include a copy of the zoning consistency determination request submitted to the local government agency <u>which bears the date of receipt</u> entered by the clerk of the agency; or, ii. Consist of a letter from the local government agency indicating that all zoning or subdivision ordinances are met by the facility. If the facility is located in an area in which more than one agency has jurisdiction over local zoning regulations, you shall include a zoning consistency determination request, as described above, from each of the governing agencies. (http://www.envhelp.org/docs/sb/Letter_%20to_Municipality.pdf) Have you included all required zoning consistency determination requests with this permit application, as described above? *Proceed to Section 12, Question 1 of this permit application.*		

Section 11. Zoning Consistency Determination. A Zoning Consistency Determination is required for all facilities applying for the General Permit for Concrete Batch Plants.		
Check the appropriate answer:	**Yes**	**No**
3. If the facility is located in an area without zoning regulations, you must publish a legal notice in a newspaper of general circulation in the area where the source is or will be located and post signs on the site before submitting the permit application, as described in 15A NCAC 2Q .0113 "Notification in Areas Without Zoning". (http://daq.state.nc.us/news/pr/2004/perm_wo_zoning_03312004.shtml) Has your facility published a legal notice, attached a copy of that legal notice to this permit application, and posted signs on the site?		

Section 12. Application Content Checklist		
Check the appropriate answer:	**Yes**	**No**
1. Have you completed Section 1 through Section 11 of this general permit application completely?		
2. Has the appropriate permit processing fee, as determined pursuant to 15A NCAC 2Q .0203 "Permit and Application Fees", been included with this application? *(Note: As of April 2006 this fee is $25.00.)*		
3. Does the "**Responsible Official" or "Authorized Contact**" that signed Section 6 of this permit application meet the following qualification [*15A NCAC 2Q .0304(j)*]? Pursuant to 15A NCAC 2Q .0304(j), permit applications shall be signed as follows: – For corporations, by a principal executive officer of at least the level of vice-president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the emissions described in the permit application form originates; – For partnership or limited partnership, by a general partner; – For a sole proprietorship, by the proprietor; – For municipal, state, federal, or other public entity, by a principal executive officer, ranking elected official, or other duly authorized employee.		
4. You must include a plot plan of the facility with the "Minimum Distance to Property Line" clearly identified with this application. "Minimum Distance to Property Line" is the distance from the cement mixing weigh hopper to *closest point* of the facility's property line. Have you attached the required plot plan to this application?		
5. You must include a completed "Concrete Batch Plant Emissions Spreadsheet" with this application, as found at the following website: http://daq.state.nc.us/permits/files/cb.xls Have you attached the required emission spreadsheet for your facility?		
6. Are you sending **two copies** of the completed application to the appropriate Regional Office? *(Note: Mailing addresses can be found at http://www.ncair.org/about/regional/)*		

Notes on the General Permit

1. **IF YOU WANT TO CLAIM CONFIDENTIALITY OF DATA.** All information in this application and the attachments thereto are considered public information unless the applicant can demonstrate that specific information qualifies for confidential treatment under the provisions of North Carolina G.S 143-215.3(a)(2). **Any request for confidential treatment must be made at the time the information is FIRST submitted to the Division and under separate cover and shall state in writing why the information should be held confidential.** Requests for confidentiality made at a later date will not be considered. Additionally, for each copy of the application required to be submitted, the following must be submitted:
   a. one complete application form, stamped confidential on each page and containing the confidential and nonconfidential information; and
   b. one application form containing only the non-confidential information.

2. **ANNUAL FEE.** If the facility qualifies for this general permit, the facility will be issued a general permit and will be subject to the annual fee for general permit as specified in 15A NCAC 2Q .0203. Note that as of April 2006 this fee is $125.00.

3. **PERMIT RENEWAL.** If the facility qualifies for this general permit, the Permittee is required to renew this general permit every five years. Failure to submit the required information could result in enforcement action and revocation of a permit.

4. If the Permittee determines for any reason that it no longer qualifies for this general permit, it shall notify the Regional Office immediately. The appropriate air permit application forms must be submitted prior to making the change that will disqualify the facility from this general permit. Failure to do this will result in a Notice of Violation and possible enforcement action.

Instructions for "Survey of Facility Reduction & Recycling Activities" (Section 7)

This form may be used for fulfilling the requirements of North Carolina General Statute 143-215.108(g) which states that a source reduction and recycling description must be filed for:

(a) each air quality payment of an annual permit fee,
(b) any application for a new permit, or
(c) any modification of an existing permit.

If a source reduction and recycling description is required, this form should be completed for each emission source for which there was a source reduction or recycling activity. Following is a description of the information requested in the form:

POLLUTANT: Identify the regulated pollutants emitted from the facility.

ONGOING SOURCE REDUCTION ACTIVITIES (ENTER CODES): From the attached list of source reduction and recycling codes, chose the code that most accurately identifies the current source reduction and recycling activities being utilized for the emission of this pollutant from this emission source.

QUANTITY EMITTED BEFORE REDUCTION (LBS/YR): Quantify the amount of this pollutant emitted before the current source reduction and recycling activities were utilized.

QUANTITY EMITTED AFTER REDUCTION (LBS/YR): Quantify the amount of this pollutant emitted after the utilization of the current source reduction and recycling activities.

PLANNED SOURCE REDUCTION ACTIVITIES (ENTER CODES): From the attached list of source reduction and recycling codes, chose the code that most accurately identifies the planned source reduction and recycling activities being utilized for the emission of this pollutant from this emission source.

Source Reduction Codes

Source Reduction Activities

You must enter in the second column of A4, "Survey of Air Emissions and Facility – Wide Reduction & Recycling Activities" the appropriate code(s) indicating the type of actions taken to reduce the amount of the permitted pollutant(s). Remember that source reduction activities include those actions or techniques that reduce or eliminate the amounts of the permitted pollutant(s). Actions taken to recycle, combust for energy recovery or reduce in an air pollution control device are not considered source reduction activities. Shutting down a process or moving it to a location external to the facility does not count as source reduction.

Code	Good Operating Practices
C1	Improved maintenance scheduling, record keeping, or procedures
C2	Changed production schedule to minimize equipment and feedstock changeovers
C3	Other changes made in operating practices
Code	**Good Housekeeping**
C4	Keep the facility neat and organized to reduce chances of spills/releases of chemical/raw materials.
Code	**Inventory Control**
C5	Prevent product expiration and damage by improving inventory management
C6	Other changes made in inventory control
Code	**Employee Training and Involvement**
C7	Increasing worker awareness on proper operation of equipment and/or process procedures
Code	**Preventive Maintenance**
C8	Routinely check for and repair leaks/spills and maintain equipment in good working order.
Code	**Equipment modification**
C9	Modify or replace existing equipment to be more efficient
Code	**Boiler Efficiency**
C10	Air/Fuel Management, power plant maintenance, low NOx burners
C11	Other boiler process changes
Code	**Material Substitution**
C12	Replace hazardous/toxic raw material with less polluting alternatives
Code	**Process Efficiency Improvements**
C13	Perform the same task with less energy or materials by designing new systems or modifying existing ones
Code	**Energy Conservation**
C14	Improvements in facility lighting, refrigeration, air compressors and HVAC
C15	Other energy conservation activities
Code	**Vehicle Emission Reduction**
C16	Change fleet scheduling/operation, change type of fleet vehicles and/or fuel type, institute mass transit/carpool incentives for employees, and improve vehicle maintenance
C17	Other energy conservation activities
Code	**Other Source Reduction Activities**
C18	Implemented an environmental management system **(EMS) ***
C19	Specify other emission reduction activities not mentioned in list above

*** EMS –** Is a tool that improves the company's environmental performance in a systematic way by managing an organization's overall environmental management affairs through identification of significant aspects that addresses immediate and long-term impacts of its products, services and processes on the environment.