

# General Permit Application Form for Concrete Batch Plants

## North Carolina Division of Air Quality



**Instructions:** Please complete Sections 1 through 11 of this permit application. The information provided in this application will be used to determine whether your facility qualifies for a general permit.

Revised July 29, 2015

<b>Section 1. General Information</b>			
Legal Corporate/Owner Name:			
Site Name:			
Site Address (911 Address) Line 1:			
Site Address Line 2:			
City:		County:	
Zip Code:			
<b>Section 2. Contact Information</b>			
<b>Permit/Technical Contact</b>		<b>Facility/Inspection Contact</b>	
Name:		Name:	
Title:		Title:	
Mailing Address:		Mailing Address:	
City: State: Zip Code:		City: State: Zip Code:	
Phone No.		Phone No.	
Email Address:		Email Address:	
<b>Responsible Official/Authorized Contact</b>		<b>Invoice Contact</b>	
Name:		Name:	
Title:		Title:	
Mailing Address:		Mailing Address:	
City: State: Zip Code:		City: State: Zip Code:	
Phone No.		Phone No.	
Email Address:		Email Address:	
<b>Section 3. Facility (Plant Site) Information</b>			
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):			
<b>Section 4. Facility (Plant Site) Coordinates</b>			
Latitude:		Longitude:	
<b>Section 5. Person or Firm that Prepared Application</b>			
Person Name:		Firm Name:	
Mailing Address:			
City:		State:	Zip Code:
County:			
Phone No.		Email Address:	
<b>Section 6. Signature of Responsible Official/Authorized Contact</b>			
Name (printed):		Title:	
<b>X</b> Signature (Blue Ink):		Date:	

<b>Section 7. Common Qualifications for a General Permit</b>		
<b>Check the appropriate answer:</b>	<b>Yes</b>	<b>No</b>
1. Does the facility have an air quality permit? <b>If yes, provide the current permit number in the space provided:</b> <b>Permit No.</b> _____		
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?		
<i>Answering "Yes" to Question Nos. 2 or 3 above disqualifies your facility from using a General Permit.</i>		

<b>Section 8. Qualifications for the Concrete Batch General Permit</b>																																																																													
<b>Check the appropriate answer:</b>	<b>Yes</b>	<b>No</b>																																																																											
1. Is your facility a truck-mix or central 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 9.																																																																													
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.																																																																													
4. Is your facility located in one of the following counties:  <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Alamance</td> <td style="width: 20%;">Cumberland</td> <td style="width: 20%;">Harnett</td> <td style="width: 20%;">North Hampton</td> <td style="width: 20%;">Scotland</td> </tr> <tr> <td>Anson</td> <td>Currituck</td> <td>Hertford</td> <td>Onslow</td> <td>Stanly</td> </tr> <tr> <td>Beaufort</td> <td>Dare</td> <td>Hoke</td> <td>Orange</td> <td>Stokes</td> </tr> <tr> <td>Bladen</td> <td>Davidson</td> <td>Hyde</td> <td>Pamlico</td> <td>Surry</td> </tr> <tr> <td>Brunswick</td> <td>Davie</td> <td>Iredell</td> <td>Pasquotank</td> <td>Tyrrell</td> </tr> <tr> <td>Cabarrus</td> <td>Duplin</td> <td>Johnston</td> <td>Pender</td> <td>Union</td> </tr> <tr> <td>Camden</td> <td>Durham</td> <td>Jones</td> <td>Perquimans</td> <td>Vance</td> </tr> <tr> <td>Carteret</td> <td>Edgecombe</td> <td>Lee</td> <td>Person</td> <td>Wake</td> </tr> <tr> <td>Caswell</td> <td>Franklin</td> <td>Lenoir</td> <td>Pitt</td> <td>Warren</td> </tr> <tr> <td>Catawba</td> <td>Gaston</td> <td>Lincoln</td> <td>Randolph</td> <td>Washington</td> </tr> <tr> <td>Chatham</td> <td>Gates</td> <td>Martin</td> <td>Richmond</td> <td>Wayne</td> </tr> <tr> <td>Chowan</td> <td>Granville</td> <td>Montgomery</td> <td>Robeson</td> <td>Wilson</td> </tr> <tr> <td>Cleveland</td> <td>Greene</td> <td>Moore</td> <td>Rockingham</td> <td>Yadkin</td> </tr> <tr> <td>Columbus</td> <td>Guilford</td> <td>Nash</td> <td>Rowan</td> <td></td> </tr> <tr> <td>Craven</td> <td>Halifax</td> <td>New Hanover</td> <td>Sampson</td> <td></td> </tr> </table> <p><b>a. If yes, identify the county in the space provided below:</b>  <b>County:</b> _____</p>	Alamance	Cumberland	Harnett	North Hampton	Scotland	Anson	Currituck	Hertford	Onslow	Stanly	Beaufort	Dare	Hoke	Orange	Stokes	Bladen	Davidson	Hyde	Pamlico	Surry	Brunswick	Davie	Iredell	Pasquotank	Tyrrell	Cabarrus	Duplin	Johnston	Pender	Union	Camden	Durham	Jones	Perquimans	Vance	Carteret	Edgecombe	Lee	Person	Wake	Caswell	Franklin	Lenoir	Pitt	Warren	Catawba	Gaston	Lincoln	Randolph	Washington	Chatham	Gates	Martin	Richmond	Wayne	Chowan	Granville	Montgomery	Robeson	Wilson	Cleveland	Greene	Moore	Rockingham	Yadkin	Columbus	Guilford	Nash	Rowan		Craven	Halifax	New Hanover	Sampson			
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**Section 8. Qualifications for the Concrete Batch General Permit**

**Check the appropriate answer:** **Yes** **No**

5. 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.

For Truck Mix Operations:

<u>Minimum Distance to Property Line</u>	<u>Maximum Concrete Production Rate *</u>
meters/feet	yd <sup>3</sup> /year
10 m / 32.8 ft	233,500
15 m / 49.2 ft	284,500
20 m / 65.6 ft	340,500
25 m / 82.0 ft	392,500
30 m / 98.4 ft	438,500
35 m / 114.8 ft	508,500
40 m / 131.2 ft	615,500
45 m / 147.6 ft	680,500
50 m / 164.0 ft	742,500
55 m / 180.4 ft	815,500
60 m / 196.8 ft	896,000

For Central Mix Operations:

<u>Minimum Distance to Property Line</u>	<u>Maximum Concrete Production Rate *</u>
meters/feet	yd <sup>3</sup> /year
10 m / 32.8 ft	327,000
15 m / 49.2 ft	417,000
20 m / 65.6 ft	581,000
25 m / 82.0 ft	766,500
30 m / 98.4 ft	1,002,500
35 m / 114.8 ft	1,358,000
40 m / 131.2 ft	1,358,000
45 m / 147.6 ft	1,358,000
50 m / 164.0 ft	1,358,000
55 m / 180.4 ft	1,358,000
60 m / 196.8 ft	1,358,000

\*The "Maximum Concrete Production Rate" may not be interpolated for property line distances falling between two values listed above. (For example, a Truck Mix 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 815,500 yd<sup>3</sup>/yr.)

**a. Identify the Minimum Distance to Property Line in the space provided below:**

\_\_\_\_\_ meters -OR- \_\_\_\_\_ feet

**b. Identify the Maximum Concrete Production Rate in the space provided below:**

\_\_\_\_\_ yd<sup>3</sup>/yr

Answering "No" to any of the Question Nos. 1 through 5 above disqualifies your facility from using a General Permit.

**Section 9. Specific Emission Source Information – Truck Loading Operation**

- a. Make/Model of Cement Mixing Weigh Hopper (if known): \_\_\_\_\_
- b. Maximum Loading Rate (in yd<sup>3</sup>/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<sup>2</sup> 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 at a minimum conform to these parameters.**

**Section 10. Zoning Consistency Determination.** A Zoning Consistency Determination is required for all facilities applying for the General Permit for Concrete Batch Plants.

<b>Check the appropriate answer:</b>	<b>Yes</b>	<b>No</b>
1. Is this facility located in an area with zoning regulations?  <i>If you answer "No", proceed to Section 10, Question 3 of this permit application.</i>		
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: <ul style="list-style-type: none"> <li>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,</li> <li>ii. Consist of a letter from the local government agency indicating that all zoning or subdivision ordinances are met by the facility.</li> </ul> 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. <a href="http://www.envhelp.org/docs/sb/Letter_%20to_Municipality.pdf">http://www.envhelp.org/docs/sb/Letter_%20to_Municipality.pdf</a>  Have you included all required zoning consistency determination requests with this permit application, as described above?  <i>Proceed to Section 11, Question 1 of this permit application.</i>		

<b>Section 10. Zoning Consistency Determination.</b> A Zoning Consistency Determination is required for <u>all facilities</u> applying for the General Permit for Concrete Batch Plants.		
<b>Check the appropriate answer:</b>	<b>Yes</b>	<b>No</b>
<p>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”. (<a href="http://daq.state.nc.us/news/pr/2004/perm_wo_zoning_03312004.shtml">http://daq.state.nc.us/news/pr/2004/perm_wo_zoning_03312004.shtml</a>)</p> <p>Has your facility published a legal notice, attached a copy of that legal notice to this permit application, and posted signs on the site?</p>		

<b>Section 11. Application Content Checklist</b>		
<b>Check the appropriate answer:</b>	<b>Yes</b>	<b>No</b>
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? ( <i>Note: As of January 1, 2015 this fee is \$25.00.</i> )		
<p>3. Does the “<b>Responsible Official</b>” or “<b>Authorized Contact</b>” that signed Section 6 of this permit application meet the following qualification [15A NCAC 2Q .0304(j)]?</p> <p>Pursuant to 15A NCAC 2Q .0304(j), permit applications shall be signed as follows:</p> <ul style="list-style-type: none"> <li>– 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;</li> <li>– For partnership or limited partnership, by a general partner;</li> <li>– For a sole proprietorship, by the proprietor;</li> <li>– For municipal, state, federal, or other public entity, by a principal executive officer, ranking elected official, or other duly authorized employee.</li> </ul>		
<p>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 <i>closest point</i> of the facility’s property line.</p> <p>Have you attached the required plot plan to this application?</p>		
<p>5. You must include a completed “Concrete Batch Plant Emissions Spreadsheet” with this application, as found at the following website: <a href="http://daq.state.nc.us/permits/files/cb.xls">http://daq.state.nc.us/permits/files/cb.xls</a></p> <p>Have you attached the required emission spreadsheet for your facility?</p>		
<p>6. Are you sending <b>two copies</b> of the completed application to the appropriate Regional Office? (<i>Note: Mailing addresses can be found at <a href="http://www.ncair.org/about/regional/">http://www.ncair.org/about/regional/</a></i>)</p>		

### **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 January 1, 2015 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.