



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

May 4, 2009

Mr. Nelson Bates
B & B Concrete Products, Inc
1629 Georgia Highway
Franklin, North Carolina 28734

Dear Mr. Bates:

Enclosed is the permit for you to operate a Small Type III Compost Facility at 1629 Georgia Highway in Macon County, North Carolina. The permit number is SWC-57-05 and the Facility is known as B & B Concrete Products, Inc.

Please carefully read the permit conditions that are attached to the permit. The operation and maintenance information submitted with the application has been incorporated into the permit.

Mr. Troy Harrison, Environmental Senior Specialist, will be responsible for oversight and inspection of the facility and related activities. Mr. Harrison can be contacted at 828-296-4701.

If you have any questions please feel free to contact me at 919-508-8508.

Sincerely,

Michael E. Scott, Supervisor
Composting & Land Application Branch

cc: Troy Harrison, Environmental Senior Specialist, Asheville Regional Office
Central Files, Solid Waste Section

h:cla/compost/permits/B&BConcreteSWC-57-05_May09

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
1646 Mail Service Center RALEIGH, N.C. 27699

B & B CONCRETE PRODUCTS, INC.

is hereby issued a permit to operate a

SMALL, TYPE 3 SOLID WASTE COMPOST FACILITY

at 1629 Georgia Road in Franklin, N.C.

Permit Number SWC-57-05

in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit.

5/4/09
Date


Michael E. Scott, Branch Head
Composting and Land Application Branch

Permit Conditions:

1. Operation and maintenance of this facility shall be in accordance with the Solid Waste Compost Rules (15A NCAC 13B, Section .1400), the permit application and the Operation and Maintenance Manual submitted with the permit application. Failure to comply may result in compliance actions or permit revocation.
2. This facility shall be operated in such a manner that erosion and runoff from the site shall be controlled. Any leachate generated at the facility shall be managed in such a manner that it will not be not allowed to adversely affect ground or surface waters.
3. Only materials specifically listed in the permit application may be managed at this facility without adequate testing and prior approval of the Division of Waste Management.
4. All compost produced at the facility shall meet the requirements of Rule .1407 of the Solid Waste Compost Rules and the permit application.
5. Testing and reporting shall be conducted in accordance with the requirements of Rule .1408 and the permit application. An annual report of facility activities, including test results, for the fiscal year July 1 to June 30 shall be submitted to the Division by August 1 of each year. This report shall include the amount of materials composted in tons.
6. Groundwater monitoring wells may be required if there is indication of the potential for groundwater contamination.
7. The compost operation and the compost pad shall be operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazard.
8. **This permit shall expire on May 4, 2014.** Changes in ownership, increase in facility capacity, or receiving additional feedstocks shall require a permit modification.

B&B CONCRETE PRODUCTS, INC.

1687 GEORGIA ROAD
FRANKLIN NC 28734

PH. 828-524-6483 FAX 828 524 5194

November 20, 2008

Mr. Michael Scott
NC. Dept. of Health, Environmental & Natural Resources
1646 Mail Service Center
Raleigh N C 27699 1646



APPROVED
MES 5/4/09

Dear Mr. Scott:

B&B Concrete Products, Inc., owned and operated by Nelson Bates as per N.C. Administrative Code, Solid Waste Management Rules, Section .1400 request a permit for a Type 3, small solid waste compost facility. The following information is provided as requested in section .1405 Application Requirements.

1. Aerial photograph enclosed. The portion of Macon County where this facility is not is not zoned.
2. A letter from The Town of Franklin concerning zoning is enclosed.
3. The site is not located in a 100 year flood plain.

The nearest property line is the southwest corner of the property and it is at least 100' from the facility.

The nearest residence not owned by the applicant is 250' feet to the south.

There are no wells within 100' feet of the facility.

The nearest perennial stream is the Cartoogechaye which is approximately ¼ mile away.

The facility is not located over a closed solid waste facility.

The facility is small enough that the fire department can access all parts of the facility.

The facility is designed to control the possibility of run-off entering ground or surface waters. Runoff from Norman rainfall events is directed in a 1000 gallon storage tank adjacent to the concrete pad. The concrete pad is at least 5 inches thick. The tank is pumped as needed and the liquid removed is used for moisture in

the windrows (prior to PFRP) or transported to the Franklin Wastewater treatment facility.

4. The following wastes will be composted at the facility.

Grease trap pumpings	50 to 150 yds of solids per year
Domestic septage	10 to 20 yds of solids per year
Ground yard waste from the MC Landfill	200-300 yds per year
Ground pallets from the MC Landfill	
Saw dist from log home production business	
Souce separated paper	

A concrete pad is used for this facility.

5. Site plan is attached.

6. (A) The person responsible for the operation of the facility is:
Nelson W. Bates, 1687 Georgia Road, Franklin NC 28734

(B) Facility is operated by the owner and yard foreman. Each one will as necessary perform any of the duties required in the operation of the facility

(C) Operation plan for the facility.

Grease trap pumpings and domestic septage are discharged into a permitted septage detention and treatment facility located adjacent to the compost pad. Every 6 weeks to 3 months, solids are removed from the large separated tank and moved by truck and backhoe to the compost pad. The solids are mixed with the bulking material on the compost pad using the backhoe. The blended materials is then shaped into windrows approximately 8 to 12' wide and 5 to 7' high. Domestic septage is screened and filtered through bulking material to remove the solids at the Septage Facility. The blended material is then mixed with the grease and bulking material in the windrows.

Windrows remain in place for 30 to 90 days depending on the need for space. Temperatures are maintained at or above 131 degrees for at least 15 days. Windrows are turned at least five times while the temperatures are above 131 degrees. Temperatures are monitored almost every workday with a three foot temperature probe.

Finished product is removed from the facility and stored off site.

(D) The facility is sheltered from high winds by surrounding topography and can be moistened if necessary to prevent blowing. Surface run-on is controlled and windrows will be turned more often to provide acration if

heavy rains cause wetness. Snow and freezing conditions have not hindered operation of the facility. All operations can be delayed for a few days if necessary to wait for snow to melt.

(E) Noise will be controlled by only operating equipment during regular working days. Odor will be controlled by coverings windrows with bulking materials. Dust will be controlled by maintaining proper moisture levels. The facility is not located near a dense residential development.

(F) Finished product will be sold or given to the public. Finished product is removed from the facility by backhoe and dump truck, Un-useable compost will be re-blended and composted again or transported to the Macon County Landfill for disposal.

7. (A) Design capacity is approximately 500 yards per year. There is room for expansion noted on the site plan.
- (B) See attached.
- (C) No shredding is done at the facility. Mixing and proportioning are done with the backhoe bucket.
- (D) Process duration from blending until distribution is 60 days to 6 months.
- (E) Temperatures are measured almost every working day and are recorded 2 to 3 places in each windrow. Temperatures are taken from the center portion of the windrows.
- (F) Temperatures will be maintained at or above 131 F for at least 15 days and turned at least 5 times during that period to meet pathogen reduction and vector attraction requirements. Temperature reading will be maintained to demonstrate that temperatures requirements have been met.
- (G) Aeration will be through turning with a backhoe. The windrows can be 5 times per day if needed.
- (H) Run-on is controlled by the topography around the facility and the elevation of the pad. Runoff from normal rainfall events is directed into the tank next to the facility.
8. Label will indicate.
Compost meets class A standards of the NC Solid Waste Compost Rules. Finished product is recommended for use as a mulch.
Application rates are ½ to 1 inch as a mulch. No restrictions unless dictated by the NC Solid Waste Rules. Do not recommend applying directly over vegetable plants immediately before harvest.

9. **There is not manufactured Compost equipment at this facility.**
10. **Operation and Maintenance Manuel is attached.**

OPERATION AND MAINTENANCE INSTRUCTIONS

Grease trap pumpings or bulking agents that domestic septage has been filtered through are moved from the septage detention and treatment facility to the compost pad when ready to make windrows. A base of bulking material at least 12 inches thick with a berm of bulking material around it is laid out on the pad to begin forming the windrow. The grease trap pumpings are placed on the bulking material and the combination is mixed with the backhoe. After the material is well mixed, it is placed in a windrow with the backhoe. One backhoe bucket of grease is normally missed with two buckets of bulking material.

Any foreign material found in the bulking material, septage or greae tank pumpings are removed during mixing. Foreign material is placed in a trash can for removal as necessary to the Macon County Landfill.

Windrows are formed eight to twelve feet wide the bottom and five to seven feet high. The windrows run from the front of the pad to the back. The completed windrow should contain enough moisture that the blend will feel moist but water cannot be squeezed out of the blend.

Temperature recorded normally begins the day after the windrow is formed. Readings are normally taken in the morning. A three foot temperature probe is used to monitor temperatures. The probe is kept in the B&B Concrete office, adjacent to the facility. Temperatures are normally checked in 2-4 places in the windrows depending on the length of the windrow. Temperatures are recorded and records are maintained in the office. The probe is normally inserted into the middle portion of the windrow.

The initial windrow turning normally occurs approximately two weeks after formation when the windrow temperature rises above 131F. Windrows may be turned sooner if temperatures do not rise. Windrows will be turned every 3 to 7 days while temperatures are above 131F. At least five turnings are made while the temperature is above 131F.

Curing is primarily allowed to occur in the windrows. Finished compost that has met the pathogen reduction and vector attraction reduction requirements and appears to be staple is moved to an off site storage area. Some curing may occur at the storage area.

Samples of the compost are collected from each windrows and maintained until six months of windrow samples have been collected. The material is then sent to the NCDA Waste Analysis lab to be analyzed for metals, nutrients, soluble salts and carbon nitrogen ration. A separate sample is taken every six months from a

finished windrow and sent to a private lab for analysis for fecal coliform. Sterile techniques are used when pathogen samples are taken. Samples are put in a cooler and transported directly to the lab.

Compost that does not meet the NC Solid Waste Compost Rule standards as class A will be re-composted or will be taken to the Macon County Lanfill.

An annual report is submitted to the NC Division of Waste Management by August 1 of each year for the previous July 1 – June 30. The report will contain the information required in .1408 of the Solid Waste Compost Rules.

A front end loader is available for use if the backhoe is not available for turning or blending. All waste is brought to the facility by Company employees so non conforming waste should not be a problem. Any foreign material will be removed before or after composting. Vectors and odors are controlled by covering the windrows with bulking material, as necessary. Fires can be controlled with equipment at the facility and by calling the local fire department.

An annual report will be prepared every year and submitted to the Solid Waste Section. The report will be submitted by August 1st of each year prior July 1st to June 30th. Each annual report will include at a minimum:

1. The facility name, address and permit number.
2. The total quantity in tons of waste received at the facility.
3. The total quantity in tons of waste processed into compost during the year.
4. The total quantity in tons and type of compost produced at the facility.
5. The total quantity of tons of compost removed from the facility by Product classification.
6. Monthly temperature monitoring.
7. Results of testing for pathogens, metals and man made inerts.

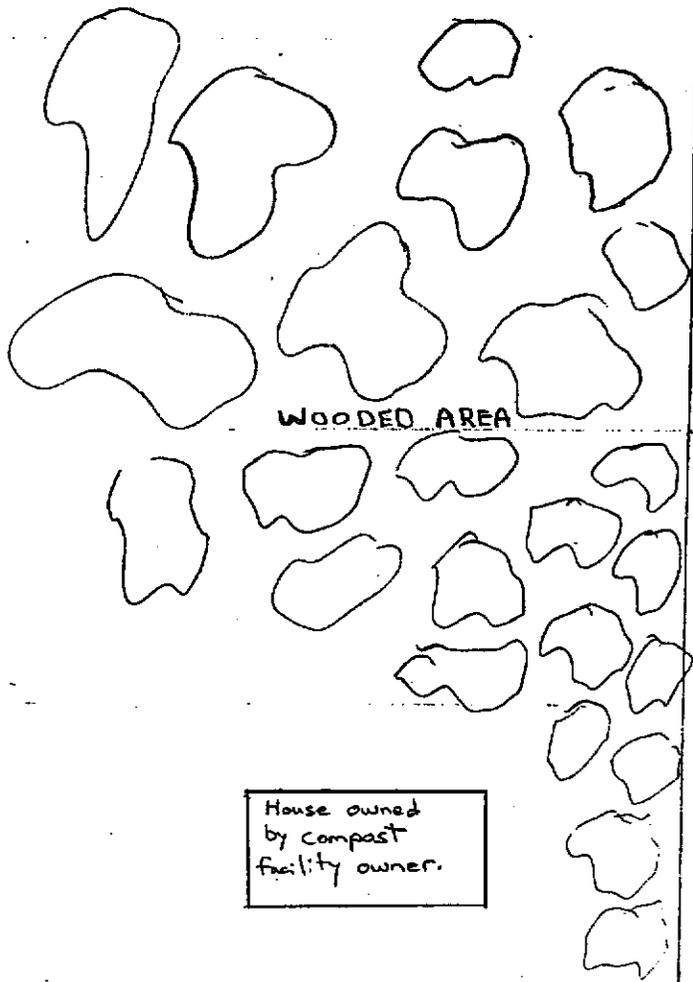
Sincerely,

B&B CONCRETE PRODUCTS, INC.

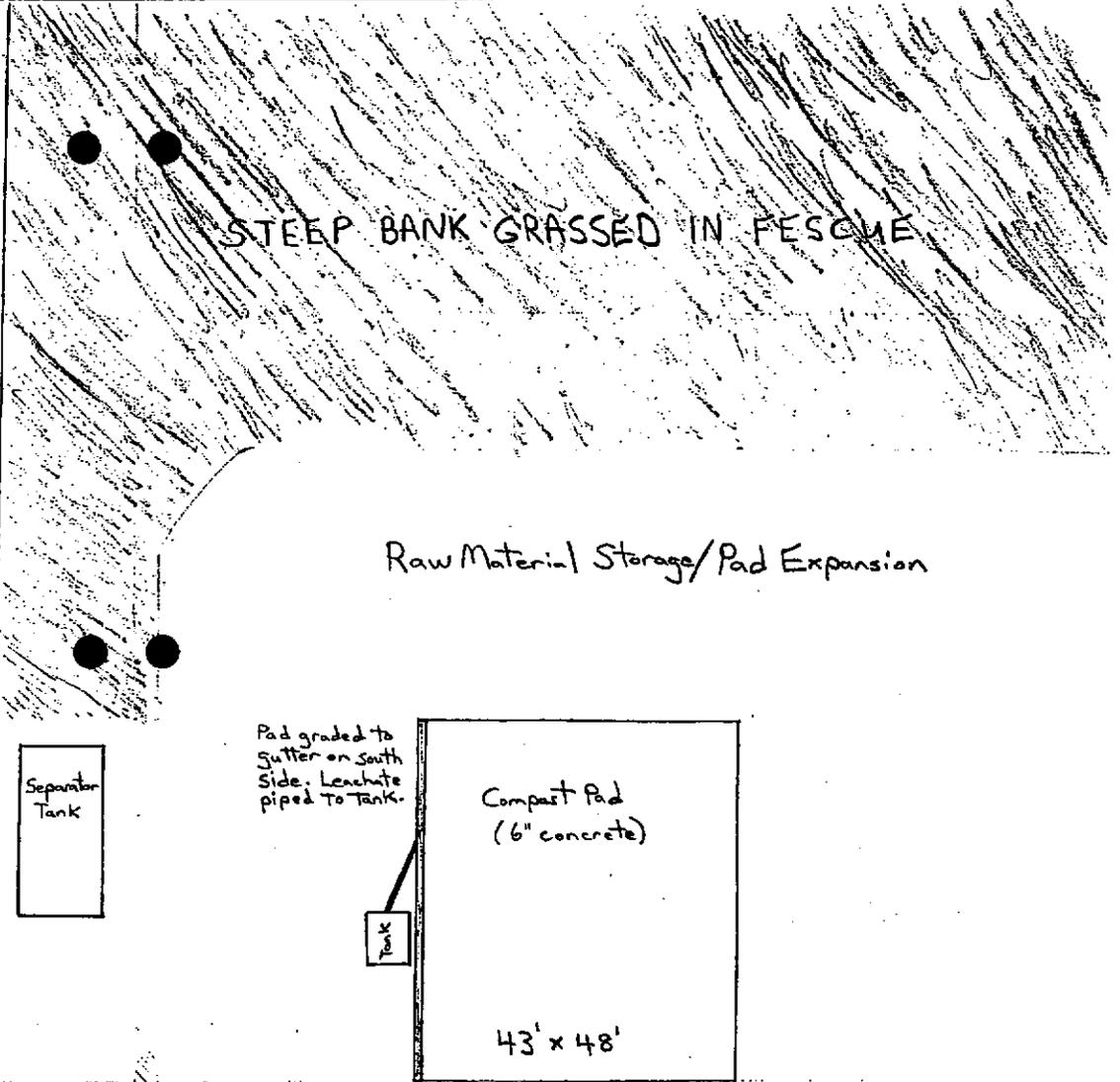
Nelson W Bates

**Nelson W. Bates, President
1687 Georgia Road
Franklin N C 28734**

wbv



Road



**MACON COUNTY
PROJECTS & DEVELOPMENT
CODE ENFORCEMENT DIVISION**

Macon County Human Services Building
1834 Lakeside Drive
Franklin, NC 28734
Phone 828.349.2072 or 349.2073 Fax 828.524.2653



July 23, 2003

B&B Concrete Products
c/o Nelse Bates
via hand delivery

Mr. Bates:

Per your request, I am writing this letter to confirm the points of our discussion earlier today concerning land use controls as they relate to your business property. As I mentioned earlier, there is currently no zoning in the unincorporated areas of Macon County.

Only the municipal areas of Franklin and Highlands currently possess zoning ordinances. As you mentioned, B&B Concrete Products property is located outside of these incorporated jurisdictions.

Sincerely

Byron L. McClure

County Planner

Subject: B&B Concrete Products
From: Chuck Cranford <Chuck.Cranford@ncmail.net>
Date: Thu, 09 Apr 2009 20:04:21 -0400
To: Michael Scott <Michael.Scott@ncmail.net>
CC: Roger Edwards <Roger.Edwards@ncmail.net>

Michael:

After a second site visit, the DWQ has no concerns about the composting activity occurring at B&B Concrete Products. The windrow pad and containment guttering, seem to be working properly.

Thanks for the opportunity to comment on the facility.

Best regards,
Chuck

--

Chuck Cranford - Chuck.Cranford@ncmail.net
North Carolina Dept. of Environment and Natural Resources
Asheville Regional Office
Division of Water Quality - Surface Water Protection Section
2090 U.S. 70 Highway
Swannanoa, NC 28778
Tel: 828-296-4500
Fax: 828-299-7043

E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.

Chuck Cranford <Chuck.Cranford@ncmail.net>
NC DENR - Asheville Regional Office
Div. of Water Quality - Surface Water Protection



Town of Franklin
188 West Main Street
Franklin, North Carolina 28734
(828) 524-2516

November 21, 2008

Mr. Nelson Bates
B&B Concrete Products
1687 Georgia Road
Franklin, NC 28734

Dear Mr. Bates:

Per our telephone conversation, this letter is to verify that there are no zoning regulations that apply to your business property at the address noted above. This location lies outside the Town of Franklin's limits as well as the town's extraterritorial jurisdiction (ETJ); therefore, the town's Unified Development Ordinance (UDO) does not apply to you. Also, there is no zoning in the unincorporated areas of Macon County.

If you have questions or need additional information, please do not hesitate to contact me at 524-2516 or via e-mail at mdecker@franklinnc.com.

Sincerely,

Mike Decker
Assistant Town Manager

B&B CONCRETE PRODUCTS, INC.

**1687 GEORGIA ROAD
FRANKLIN NC 28734**

PH. 828-524-6483 FAX 828 524 5194



November 20, 2008

**Mr. Michael Scott
NC. Dept. of Health, Environmental & Natural Resources
1646 Mail Service Center
Raleigh N C 27699 1646**

Dear Mr, Scott

B&B Concrete Products, Inc., owned and operated by Nelson Bates as per N.C. Administrative Code, Solid Waste Management Rules, Section .1400 request a permit for a Type 3, small solid waste compost facility. The following information is provided as requested in section .1405 Application Requirements.

- 1. Aerial photograph enclosed. The portion of Macon County where this facility is not is not zoned.**
- 2. A letter from The Town of Franklin concerning zoning is enclosed.**
- 3. The site is not located in a 100 year flood plain.**

The nearest property line is the southwest corner of the property and it is at least 100' from the facility.

The nearest residence not owned by the applicant is 250' feet to the south.

There are no wells within 100' feet of the facility.

The nearest perennial stream is the Cartoogechaye which is approximately ¼ mile away.

The facility is not located over a closed solid waste facility.

The facility is small enough that the fire department can access all parts of the facility.

The facility is designed to control the possibility of run-off entering ground or surface waters. Runoff from Norman rainfall events is directed in a 1000 gallon storage tank adjacent to the concrete pad. The concrete pad is at least 5 inches thick. The tank is pumped as needed and the liquid removed is used for moisture in the windrows or transported to the Franklin Wastewater treatment facility.

4. The following wastes will be composted at the facility.

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Ground yard waste from the MC. Landfill	200-300 yds per year
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Saw dist from log home production business	
Souce separated paper	

A concrete pad is used for this facility.

5. Site plan is attached.

**6. (A) The person responsible for the operation of the facility is:
Nelson W. Bates, 1687 Georgia Road, Franklin NC 28734**

(B) Facility is operated by the owner and yard foreman. Each one will as necessary perform any of the duties required in the operation of the facility

(C) Operation plan for the facility.

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Finished product is removed from the facility and stored off site.

(D) The facility is sheltered from high winds by surrounding topography and can be moistened if necessary to prevent blowing. Surface run-on is controlled and windrows will be turned more often to provide aeration if heavy rains cause wetness. Snow and freezing conditions have not hindered operation of the facility. All operations can be delayaed for a few days if necessary to wait for snow to melt.

- (E) Noise will be controlled by only operating equipment during regular working days. Odor will be controlled by coverings windrows with bulking materials. Dust will be controlled by maintaining proper moisture levels. The facility is not located near a dense residential development.**
- (F) Finished product will be sold or given to the public. Finished product is removed from the facility by backhoe and dump truck, Un-useable compost will be re-blended and composted again or transported to the Macon County Landfill for disposal.**
- 7. (A) Design capacity is approximately 500 yards per year. There is room for expansion noted on the site plan.**
- (B) See attached.**
- (C) No shredding is done at the facility. Mixing and proportioning are done with the backhoe bucket.**
- (D) Process duration from blending until distribution is 60 days to 6 months.**
- (E) Temperatures are measured almost every working day and are recorded 2 to 3 places in each windrow. Temperatures are taken from the center portion of the windrows.**
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- (G) Aeration will be through turning with a backhoe. The windrows can be 5 times per day if needed.**
- (H) Run-on is controlled by the topography around the facility and the elevation of the pad. Runoff from normal rainfall events is directed into the tank next to the facility.**
- 8. Label will indicate.
Compost meets class A standards of the NC Solid Waste Compost Rules. Finished product is recommended for us as a mulch.
Application rates are ½ to 1 inch as a mulch. No restrictions unless dictated by the NC Solid Waste Rules. Do not recommend applying directly over vegetable plants immediately before harvest.**
- 9. There is not manufactured Compost equipment at this facility.**
- 10. Operation and Maintenance Manuel is attached.**

OPERATION AND MAINTENANCE INSTRUCTIONS

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Samples of the compost are collected from each windrows and maintained until six months of windrow samples have been collected. The material is then sent to the NCDA Waste Analysis lab to be analyzed for metals, nutrients, soluble salts and carbon nitrogen ration. A separate sample is taken every six months from a finished windrow and sent to a private lab for analysis for fecal coliform. Sterile techniques are used when pathogen samples are taken. Samples are put in a cooler and transported directly to the lab.

Compost that does not meet the NC Solid Waste Compost Rule standards as class A will be re-composted or will be taken to the Macon County Lanfill.

An annual report is submitted to the NC Division of Waste Management by August 1 of each year for the previous July 1 – June 30. The report will contain the information required in .1408 of the Solid Waste Compost Rules.

A front end loader is available for use if the backhoe is not available for turning or blending. All waste is brought to the facility by Company employees so non conforming waste should not be a problem. Any foreign material will be removed before or after composting. Vectors and odors are controlled by covering the windrows with bulking material, as necessary. Fires can be controlled with equipment at the facility and by calling the local fire department.

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- 1. The facility name, address and permit number.**
- 2. The total quantity in tons of waste received at the facility.**
- 3. The total quantity in tons of waste processed into compost during the year.**
- 4. The total quantity in tons and type of compost produced at the facility.**
- 5. The total quantity of tons of compost removed from the facility by Product classification.**
- 6. Monthly temperature monitoring.**
- 7. Results of testing for pathogens, metals and man made inerts.**

Sincerely,

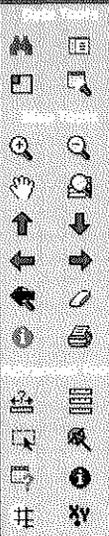
B&B CONCRETE PRODUCTS, INC.

Nelson W Bates

**Nelson W. Bates, President
1687 Georgia Road
Franklin N C 28734**

wbv

Macon County Advanced Map View



Click ? for help

Print Results

Parcel ID	0102112
Address	1587 GEORGIA RD
Owner Name	R AND B CONCRETE PRODUCTS INC
Map/Block/Pin	6583.02-79-1146
Property Description	LONGVIEW OLD 4415
Township	FRANKLIN
Zone Description	RESIDENTIAL
Neighborhood Description	AVERAGE
Subdivision Description	
Map Sheet	6583.02
Number of Buildings	4
Percentage Complete	100
Acreage	1.26
Land Description	ROLLING
Utility Description	ELECTRIC, WATER, SEPT
Date Apprasied	5/31/2006
Billing Address	1829 GA HWY
Billing Address 2	FRANKLIN NC
Billing ZIP	28734
Sale Price	\$90,000.00
Valid Sale Flag	NV
Current Deed/Book/Page	S 27/313
Assessed Value	\$43,650.00
Building Tax Value	\$185,310.00
Segment Defer Amount	N/A
Exemption Amount	N/A

Map created with ArcGIS Copyright (C) 1992-2002 ESRI Inc.

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