



Facility Permit No: SLAS-57-01
B & B Concrete Products, Inc.
Permit to Operate
July 2, 2014
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North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION

**PERMIT TO OPERATE A SEPTAGE LAND
APPLICATION SITE**

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

is hereby permitted to operate Septage Land and Application Site with permit # **SLAS-57-01** located on SR#1652 in Macon County in approximate position 35.14747° N latitude and -83.37701° E longitude. This site is permitted only for operations that are conducted in accordance with the representations made in the approved application, with all conditions attached to this permit, and with all of the provisions of 15A NCAC 13B.0800 -- Septage Management. Failure to operate as permitted may result in the Department suspending or revoking this permit, initiating action to enjoin the unpermitted operation, imposing administrative penalties, or invoking any other remedy as provided in Chapter 130A, Article 1, Part 2 of the North Carolina General Statutes.

This permit shall be reviewed annually to determine if soil test results and management activities are in compliance with the Septage Management Rules and the conditions of this permit. Modifications, where necessary, shall be made in accordance with rules in effect at the time of review.

Date Issued

7/2/2014


Martin A. Gallagher, Branch Head
Composting & Land Application Branch

CONDITIONS OF OPERATING PERMIT

1. This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Nelson Bates and approved by the Division of Waste Management. **The 4.2 acre site shall remain established in tall fescue and shall be managed as one field.** The fescue shall be cut as hay and baled (just before seedhead emergence) as weather permits in May and again in September or October as needed. At least two harvests shall be made from the permitted site each year. **The mandatory 30-day waiting period between the last application of septage and the harvest of a crop shall be maintained by utilizing the approved wastewater treatment plant, the permitted compost facility or the permitted septage detention facility.** All discharges shall be at locations on the site consistent with the crop rotation in the approved plan.
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Nelson Bates in such a manner as to prevent the migration of wastes off of the designated waste receiving site. A 20 foot buffer of tall fescue shall be maintained around the perimeter of the site. Any site improvements noted in the plan must be installed within 30 days of plan approval. The installation of groundwater monitoring wells shall be required as deemed necessary by the Division.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other local, state, and federal government agencies which have jurisdiction. It is the responsibility of the Permittee to be in compliance with the Federal Regulations listed in the Code of Federal Regulations, 40 CFR Part 503.
5. This permit may be modified or reissued at any time to incorporate any conditions, limitations and/or monitoring requirements the Division deems necessary to adequately protect the environment and public health.

6. **This site is only permitted for the land application of domestic septage (including portable toilet waste) and grease trap pumpings.** Domestic septage pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. Grease septage or grease septage mixed with domestic septage shall be raised to pH 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application.
7. **This site contains approximately 4.2 acres that are available for land application of septage.** The maximum annual application rate shall be 50,000 gallons per acre per year. At this application rate, a maximum annual volume of 210,000 gallons may be applied to this site. This application rate assumes equal septage distribution, on an annual basis, over the permitted area. Monthly septage applications shall not exceed the monthly relative application rates given in the approved nutrient management plan for the site.
8. An approved above ground septage detention system with a minimum design capacity of 4,038 gallons shall be available prior to operation of this site unless an approved wastewater treatment plant is available for use during periods of adverse weather. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.
9. Only the area designated on the attached site map(s) shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner that there is no standing water when the discharge is complete.
10. Septage shall not be applied during any precipitation event, or if there is standing water on the soil surface, if the soil surface is frozen, or if the soil surface is snow covered. The Permittee shall consider pending weather conditions when making the decision to land apply in order to prevent any discharge of septage outside of the permitted boundary.
11. Septage shall not be applied during periods of high soil moisture. Septage applications that will result in ruts greater than three inches in the soil surface are prohibited.
12. Any discharge of septage outside of the permitted boundaries via runoff, aerial drift, etc. is prohibited.

13. This permit shall become voidable unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the Permittee or an employee of the firm named in this permit shall discharge septage at this site without prior appropriate notification and written approval from the Division.
14. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure. This permit is non-transferable.
15. **This permit shall expire on January 1, 2017.** Modifications, when necessary, shall be made in accordance with the rules in effect at the time of renewal. An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date. A septage application log for the period of time this permit was valid shall be submitted along with an application for permit renewal or modification. The information required in the log is described in Rule 15A NCAC 13B .0838 (e)(1) of the NC Septage Management Rules and the Code of Federal Regulations, 40 CFR Part 503.17 (b).
16. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division upon request.
17. Any duly authorized officer, employee, or representative of the Division may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the disposal site and facility at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the conditions of this permit; or may obtain samples of groundwater, surface water, or leachate.
18. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site. Boundaries of the permitted septage land application fields shall be clearly marked on the ground.
19. The areas that can be used for land application of septage shall be maintained at least 500 feet from any existing wells, residences, places of business, or places of public assembly. Septage shall not be disposed of within 50 feet of any property line, within 100 feet of any ditch or within 200 feet of any surface water unless specified otherwise. **A 50' setback shall be maintained between the boundary of the disposal field and any neighboring food crop.**



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July 2, 2014

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

**RE: SLAS permit renewal
B & B Concrete Products, Inc.
SLAS-57-01
SR#1652 in Macon County**

Dear Mr. Bates:

The NC Division of Waste Management has reviewed your application to renew a Septage Land Application Site permit in Macon County. Your application has been approved and your permit, # **SLAS-57-01**, is enclosed. If you have any questions about your permit, we'll need the number in order to answer your questions.

Please read all of your permit conditions carefully. Your nutrient management and soil erosion and runoff control plans have been included in your permit's conditions. In particular, review Permit Condition 15, which states that you will need to submit septage application logs for your site in order to renew your permit. These logs need to cover the entire time your current permit is valid. For details on the information you should include, consult the NC Septage Management Rule 15A NCAC 13B .0838(e)(1) and the Federal register's 40CFR Part 503.17(b). This permit condition also states that this permit is valid until **January 1, 2017**. If you have any questions, please ask for assistance as rule violations could expose you to administrative penalties.

Please note that to land apply industrial or commercial septage at a permitted septage disposal site you must have **prior approval** from the NC Division of Waste Management. The waste must be sampled prior to being removed from the system. Generally, the Division will request that you have a waste analysis run on septage from each commercial or industrial septage generator before that type of septage is approved for land application.

Use of a land application site or septage detention or treatment facility that is not permitted may result in administrative penalties up to \$15,000 per violation in accordance with NC General Statute 130A-22.

If you have any questions, please contact me at (910) 433-3352 or Martin Gallagher at (919) 707-8280.

Sincerely,

Connie S. Wylie, Soil Scientist
Division of Waste Management, NCDENR

Enclosures

cc: Martha Solesbee, landowner
Macon County Health Department

APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646



I. Site and Operator Information

1. Applicant B & B Concrete Products, Inc.
Address 1687 Georgia Road
Franklin, NC 28734
Phone 828 524 6483

2. Contact person for site operation (if different from applicant): Nelson W. Bates
Title or position President Phone same
Address same

3. Landowner: Martha Angel Solesbee
Address P.O. Box 516
Franklin, NC 28744

4. Site Location: County Macon State Road Number 1652
Directions to site: U.S. 23/441 south from Franklin to White Horizon
Drive, turn left, go one mile and turn left

5. Indicate whether request is: new _____ renewal modification _____

For a permit renewal or modification, provide the following information:
Existing site permit number: SLAS-57-01 permit expiration date: 01/01/2014

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 4.2 acres.

7. Substances other than septage or grease trap pumpings previously disposed of on the site:
(a) None , or (b) Attach a list indicating other substances, the amounts discharged, and the dates of discharge.

8. Attach written, notarized landowner authorization to operate a septage disposal site signed by the landowner (if the permit applicant does not own the property). **If a corporation owns the land use a corporate landowner authorization form. If limited liability company owns the land, use a limited liability company landowner authorization form.**

9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report. On file.

10. Attach a vicinity map (county road map showing site location). On file.

(over)

II. Site Management Information:

The following information shall be included with the application form:

1. Nutrient Management Plan
2. Soil Erosion and Runoff Control Plan
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): Town of Franklin wastewater Treatment Plant and SDTE 57-01
4. Types of septage proposed to be discharged at the site (check all that apply):
 - (a) Domestic septage pumped from septic tanks
 - (b) Grease trap pumpings
 - (c) Portable toilet waste
 - (d) Commercial / Industrial septage _____
5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Lime stabilized to pH 12 for 30 minutes and grease septage will be stabilized to pH 12 for two hours prior to land application. Both materials will be at pH 12 when land applied.
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Pumper truck with a spreader foot attached on rear.
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law ** or if any part of the site specified is not agricultural land (use additional paper to explain if necessary): Site is used for agricultural purposes.

III. Certification

I hereby certify that:

1. The information provided on this application is true, complete, and correct to the best of my knowledge.
2. I have read and understand the N.C. Septage Management Rules, and
3. I am aware of the potential consequences, including penalties and permit revocation, for failing to follow all applicable rules and the conditions of a Septage Land Application Site permit.

Nelson Bates
Signature***

10-15-13
Date

Nelson Bates
Print name

Pres
Title

Note: This application will not be reviewed until all parts of the application are complete.

* Refer to Section .0837(e) of the N.C. Septage Management Rules.

** Refer to Section .0837(g) of the N.C. Septage Management Rules.

***Signature of company official required.

Landowner's Authorization to Operate a Septage Land Application Site

North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646



I, Martha Angel Solesbee (name of site owner) hereby certify that I am the owner of
79 acres of land located Wide Horizon Drive, Franklin, NC

and identified by 1 A 6619 (book and page of recorded deed

or tax map parcel) and that I agree to allow Nelson W. Bates (name of site

operator) to use said land for septage land application for a period of 3 years (length

of time), beginning January 1, 2014 (month, day and year) and that I have read the

North Carolina Septage Management Rules *, and I understand and agree to maintain the restrictions on

land use after septage land application ends **. I further understand that no septage may be land applied

until the Division of Waste Management has issued a permit for a septage land application site. The above

described property is owned solely by me ~~or jointly with~~ _____

_____ (names of all co-owners, or state none).

Signature of landowner Martha Angel Solesbee Date 10-15-13

Signature of landowner _____ Date _____

Sworn to and subscribed before me this 15th day of October, 2013.

Michael Decker
(Notary Public)

My Commission expires: 03/19/2017

* 15A N.C. Admin. Code 13B Section .0800
** As required by Rule .0843



NUTRIENT MANAGEMENT PLAN FOR SEPTAGE APPLICATIONS TO SEPTAGE DISPOSAL SITE #57-01

5411
10/11

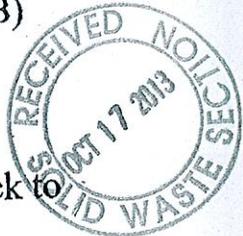
A. General Information

1. Field #1 contains approximately ^{4.2}/~~5~~ acres

2. The dominant soil series at this site is an Evard-Cowee (EvB) complex.

3. Septage will not be applied where the site is untrafficable. (Untrafficable is defined as soil that will allow a loaded truck to leave a depression in sod greater than 3 inches in depth.)

4. Septage storage is provided on business site and all septage may be disposed of at any time necessary at the City of Franklin Waste Treatment facility.



B. Crops to be grown and in approximate planting times:

1. Field #1 (including buffer zone) is an established fescue sod.

C. Nitrogen needs for crop grown:

R.Y.E. = Realistic Yield Expectations
Nutrient App. Rate + Suggested Nutrient application rate based on R.Y.E. for soil type.

Crop (cut for hay)	R.Y.E.	N.App.Rate lbs.N/acre
Tall fescue	4.0 tons/acre	45 lbs N/dry ton = 180 50 lbs P/acre 80 lbs K/acre

D. Relative application rate for Field #1:

Month	Field #1
January	Low
February	Medium
March	High
April	None

RECEIVED

OCT 06 2010

May	Medium
June	Medium
July	Medium
August	Medium
September	None
October	Medium
November	Medium
December	Low



None = 0 gallons: Low = 5,000 gallons Medium = 10,000 gallons
High = 15,000 gallons.

NOTE: Cumulative application rate is not to exceed the permitted Application rate.

D. Application Method

The preceding information is based on septage being evenly applied over the entire permitted site by septic tank pumper truck.

E. Additional Fertility Requirements

Phosphorus and potassium will be applied in March and August to field #1 based on soil test recommendations to maintain fertility levels. Supplemental amounts of Nitrogen will be added if needed based on amount of Nitrogen supplied by septage application, the total N not to exceed the lbs N/acre needed based on Realistic Yield Expectations of the crop.

The buffer areas should be fertilized with 400 lbs/acre of 17-17-17 N-P-K fertilizer in a split application in March and August to maintain production or fertilized based on soil test results.

F. Harvest of the crops and their use:

1. Fescue will be cut and baled just before seed head emergence and if weather permits in May and again in late September or early October. No septage will be applied for 30 days prior to harvest of either crop.

RECEIVED

OCT 06 2010

DENR - FAYETTEVILLE REGIONAL OFFICE

2. Areas of fescue field with less than 80% ground cover will be

Re-seeded with fescue at a rate of 50 lbs. per acre in September or early October after hay is removed.

3. During the month of April and possibly September, the site will not be Used. Septage will be disposed of at the waste water treatment plant or Compost facility during those months.
4. The hay will be sold to a local farmer to feed beef cattle.

SOIL EROSION AND RUNOFF CONTROL PLAN

The slopes on field #1 do not exceed three percent. A 20 foot buffer, planted in tall fescue, will be maintained to prevent septage waste from migrating off of the fields.

Submitted by: B&B CONCRETE PRODUCTS, INC. Date 09-22-06
Site Operator

Prepared by; Nelson Bates

Nelson Bates Pres.

Address: 1687 Georgia Road - Phone 828 524 6483
Franklin, N. C. 28734

RCVD
11/2013
CSW

SLAS-57-01

35.14747° N latitude
-83.37701° W longitude



MI

FRANKLIN TOWNSHIP

FRANKLIN
POP. 2,640

CHAMBER OF COMMERCE

