

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

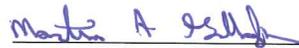
**PERMIT TO OPERATE A SEPTAGE LAND  
APPLICATION SITE**

Rouse's Septic Tank Service  
Donald Bryant  
123 Pete Road  
Newport, NC 28570

is hereby issued a permit to operate Septage Land Application Site # SLAS-16-03 on SR 1124 in Carteret County at approximate position 34.80505° N latitude and -76.90061° W longitude. The site is to be operated in accordance with 15A NCAC 13B .0800 Septage Management, the information stated in the approved application, and the conditions of this permit. The unauthorized disposal of any liquid or solid wastes other than those specified in the conditions of this permit will be considered a violation of the conditions of this permit. Failure to comply with the conditions of this permit may result in permit suspension, permit revocation, action for injunctive relief, administrative penalties, or other remedies as provided in G.S. 130A, Article 1., Part 2.

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 affect at the time of review.

Date Issued 2/23/2012

  
\_\_\_\_\_  
Martin A. Gallagher, Branch Head  
Solid Waste Section

Permit Conditions:

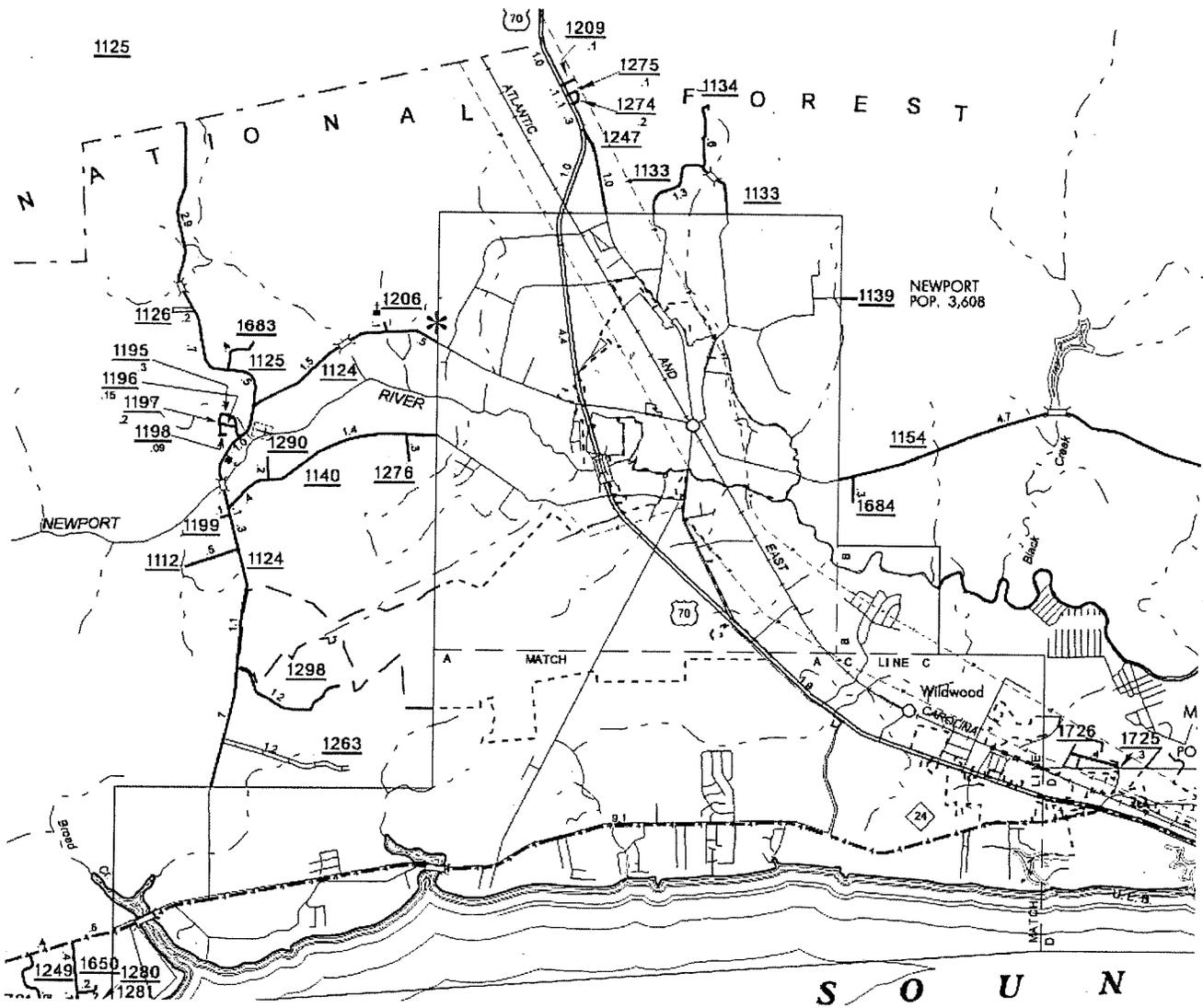
1. This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Donald Bryant and approved by the Division. The 7.5-acre site shall remain established in Coastal Bermudagrass. If the bermudagrass stand falls below 80% groundcover across the field, areas lacking bermudagrass coverage shall be either sprigged in Coastal Bermudagrass at a rate of 35 bu/ac, broadcast, during March through June or seeded with Cheyenne Bermudagrass at a rate of 5 to 7 lbs/ac during April through May. Annual ryegrass shall be overseeded into the bermudagrass at a rate of 30 lbs/ac during September through November. The bermudagrass shall be cut as hay and baled whenever it reaches 12 inches in height or every 4 to 6 weeks. The ryegrass shall be cut as hay and baled during March through May. The hay will be disposed of with other yard debris. 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 Donald Bryant in such a manner as to prevent the migration of wastes off of the designated waste receiving site. A buffer of bermudagrass and ryegrass shall be maintained around the perimeter of each field. The required buffers from the permitted fields shall be 10 feet to the surrounding woods, 25 feet to any paths, and 50 feet to any property lines or ditches. Wooded areas adjacent to all permitted fields shall remain undisturbed. 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 domestic and grease septage.** Domestic septage shall be raised to a pH of 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 a pH of 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 7.5 acres that are available for septage disposal.** The maximum annual application rate shall be 50,000 gallons per acre per year, for a total maximum annual application rate of 375,000 gallons. This application rate assumes equal septage distribution, on an annual basis, over the active 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 7,000 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 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 void 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 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 August 28, 2016.** 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 40 CFR Part 503.17(b) of the Federal Register.
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 of Waste Management upon request.
17. Any duly authorized officer, employee, or representative of the Division of Waste Management 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.

Operator: Donald Bryant  
SLAS# 16-03  
County: Carteret

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19. The areas that can be used for land application of septage shall be maintained at least 500 feet from any existing wells (unless a perennial forage buffer is established), residences, places of business, or places of public assembly. Septage shall not be disposed of within 50 feet of any property line or within 100 feet of any ditch.
20. The monitoring well on the septage land application site shall be monitored prior to land applying septage. A thirty inch separation between the soil surface and the water table is needed prior to all land application events. A four inch pipe for the well construction shall be installed to facilitate reading water levels.



# SLAS-16-03

- Donald Bryant
- Off of SR 1124
- Position: 34.8050° N latitude -76.9006° W longitude

# SLAS-16-03



Source: 2010 NAIP Color Imagery, NCDA; site boundary, NC DENR Division of Waste Management.  
Map created by NC DENR Division of Waste Management, Compost and Land Application Branch for permitting purposes only.



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
Secretary

March 26, 2012

Mr. Donald Bryant  
Rouse's Septic Tank Service  
123 Pete Road  
Newport, NC 28570

**RE: SLAS-16-03 Permit Renewal  
Rouse's Septic Tank Service  
SR 1124 in Carteret County**

Dear Mr. Bryant:

The NC Division of Waste Management has reviewed your application for renewal of septage land application site permit, **SLAS-16-03**, in Carteret County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SLAS-16-03**, is enclosed. Please read all permit conditions carefully. The nutrient management and soil erosion and runoff control plans you submitted have been incorporated into your permit. In particular, pay close attention to **Permit Conditions 2, 6, 7, 10, 11, 12, 15, and 20**. The following is a summation of those Conditions.

- **Condition 2.** This condition lists the acres of the site and incorporates crop management details listed in the submitted nutrient management plan.
- **Condition 6.** States that this site is only permitted to receive domestic and grease septage. Disposal of any other type of septage or waste at this site is prohibited.
- **Condition 7.** States that there are approximately 7.5 acres available at this site for land application of septage. **The maximum annual application rate for this site is 50,000 gallons per acre per year for a total, maximum annual application of 375,000 gallons.** These rates along with the monthly rates listed in the nutrient management plan are not to be exceeded.
- **Condition 10.** Septage shall only be applied when soil and weather conditions are favorable for application.
- **Condition 11.** Soil conditions must be monitored such that any septage application will not result in ruts greater than three inches in the soil surface.
- **Condition 12.** Any discharge, including aerial drift, of septage outside of the permitted boundaries is prohibited.

**CONTINUE ON BACK**

- **Condition 15.** This permit is set to expire on August 28, 2016. Ninety (90) days prior to the expiration of your permit, you must submit an application for permit renewal along with your septage land application logs for the entire time your current permit was valid.
- **Condition 20.** The monitoring well at the septage land application site shall be monitored prior to land applying septage.

Again, please pay close attention to all of the conditions within the enclosed permit. Remember that violations to the NC Septage Management Rules or this permit could subject you to administrative penalties of up to \$15,000 per violation per day. If you have any questions concerning your permits or septage in general, please do not hesitate to contact me at (919) 707-8283. When communicating to the Division about this permit, please refer to it as "**SLAS-16-03**"

Sincerely,



Chester R. Cobb, Soil Scientist  
Composting & Land Application Branch

Enclosures

cc: Central Office  
Richard Wayne See, Landowner  
Carteret County Health Department

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# 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  
401 Oberlin Rd., Ste. 150, Raleigh, N.C. 27605



## I. Site and Operator Information

1. Applicant ROUSE SEPTIC TANK SERVICE  
Address 123 PETE RD  
NEWPORT, N.C. 28570  
Phone 252-726-6761

2. Contact person for site operation (if different from applicant): DONALD BRYANT  
Title or position SITE MANAGER Phone 252-726-6761  
Address 123 PETE RD  
NEWPORT, N.C. 28570

3. Landowner RICHARD WAYNE SEE  
Address P.O. BOX 1076  
MOREHEAD CITY, N.C. 28557

4. Site Location: County CARTER State Road Number OLD DRAG STRIP RD  
Directions to site: FROM HT 70 TURN ON 97 RD TO OLD DRAG  
STRIP RD TURN RT GO TO IRON GATE FIELD IS ON THE RIGHT

5. Indicate whether request is: new \_\_\_\_\_ renewal  modification \_\_\_\_\_

For a permit renewal or modification, provide the following information:

Existing site permit number: 1603 permit expiration date: 8-28-11

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 7.5  
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): SDTF #1605 & WWTP IN MOREHEAD CITY
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): PH WILL BE RAISED TO 12.0 BEFORE APPLYING TO FIELD SEPTAGE WILL BE STABILIZED AT 12.0 FOR 30 MINUTES BEFORE APPLIED & GREASE FOR 2 HRS BEFORE APPLIED
6. Proposed method of applying septage to land, including septage distribution plan if required \* (use additional paper to explain if necessary): SEPTAGE WILL BE SPRAYED WITH A SPLASH PLATE FROM A MOVING TRUCK AND SPRAYED EVENLY ACROSS SITE
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):  
LAND IS CURRENTLY AGRICULTURE

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.

Donald W. Bryant  
Signature\*\*\*

5-9-11  
Date

DONALD W. BRYANT  
Print name

SIEEMANAGER  
Title

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

\* Refer to Section .0821(e) of the N.C. Septage Management Rules.

\*\* Refer to Section .0821(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  
401 Oberlin Rd, Ste. 150, Raleigh, N.C. 27605

I, RICHARD W. SEE (name of site owner) hereby certify that I am the owner of 210 acres of land located 9 FOOT ROAD CALLED OLD RACE TRAIL RD and identified by BOOK 598 PAGE 333 (book and page of recorded deed or tax map parcel) and that I agree to allow ROUSE SEPTIC TANK SER. (name of site operator) to use said land for septage land application for a period of 5 YEARS (length of time), beginning AUGUST 28, 2011 (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 NONE (names of all co-owners, or state none).

Signature of landowner [Signature] Date 5-9-11

Signature of landowner \_\_\_\_\_ Date \_\_\_\_\_

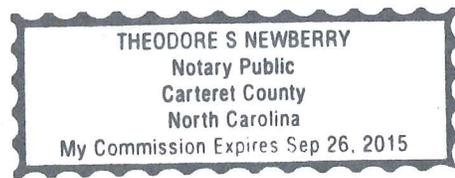
Sworn to and subscribed before me this 9 day of MAY, 20 11.

[Signature]  
(Notary Public)

My Commission expires: Sept. 26, 2015

\* 15A N.C. Admin. Code 13B Section .0800  
\*\* As required by Rule .0826

(OFFICIAL SEAL)



ROUSE'S SEPTIC TANK SERVICE  
123 Pete Road  
Newport, NC 28570

NUTRIENT MANAGEMENT PLAN

2011

SEPTAGE APPLICATION TO BERMUDAGRASS AND RYEGRASS FIVE YEAR PLAN

A. Best Management Practices:

The undersigned parties agree to manage the septage disposal site (previously referred to as (SLAS -16-03) off state road 1124 (near Newport, NC) in Carteret County according to the following best management practices. The list of practices have been specifically designed to land application of septage by Rouse Septic Tank Service.

B. General Information:

Note: Recommend the field site be seeded in November with annual ryegrass to establish a cover crop and to allow fall application of septage.

1. Field area consists of approximately 7.5 acres.
2. Waste analysis will be conducted at least once per year.
3. The dominant soil series at this site is Onslow.
4. 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. Septage will be spread evenly across the site.
5. Septage storage is provided to account for the average volume of septage pumped per week. The domestic septage will be lime stabilized to a ph of 12 and held at a ph of 12 for thirty minutes prior to application. Grease will be lime to a ph of 12 and held at a ph of 12 for 2 hours prior to application.

C. CROPS TO BE GROWN AND APPROXIMATE PLANTING TIMES:

1. Application field, including buffer zones will be seeded in November with annual Ryegrass at the rate of approximately 30 pounds per acre.
2. If the bermudagrass stand fall below 80%, application field, including buffer zones will be sprigged in coastal Bermuda Grass at the rate of 35 bushels/acre (broadcast) or 15 bushels/acre (sprigged in rows) during the months of March through June in order to establish a permanent stand of grass. Another alternative is to seed Cheyenne Bermuda Grass from April 1 through April 30 to establish a stand of grass.





3. Recommend annual ryegrass be over-seeded each fall at the rate of 30 lbs./ac during the period of Sept. 15 –Nov.15.

D. NITROGEN NEEDS FOR CROP GROWN:

R.Y.E. = Realistic Yield Expectation

N App. Rate = Suggested N application rate based on R.Y.E.  
For soil type

Crop (cut for hay)	R.Y.E.	N App. Rate	lbs. N/ac
Coastal Bermuda grass	5.0 tons/ac X 45 lbs/dry ton	=	225.0
Annual Ryegrass	2.5 tons/ac X 25 lbs/dry ton	=	65.0
			<hr/> 290.0

E. Relative Application Rate for Fields:

Month	Field
Jan	Low
Feb	Low
March	Low
April	Low
May	Med
June	High
July	High
Aug	High
Sept	Med
Oct	Low
Nov	Low
Dec	Low

Low = 5,000 gallons; Med = 10,000 gallons; High = 15,000 gallons

Note: Cumulative Application Rate is NOT to exceed the Permitted Application Rate

F. Application Method:

The preceding information is based on septage being evenly applied over the entire permitted site or field.

G. Additional Fertility Requirements:

N-P-K will be added to the land application area to maintain fertility levels which will be based on the soil test analysis from NCDA. The buffer zones should be fertilized based on the soil test results to maintain a good stand of grass.



H. Harvest of the Crop:

1. The Bermuda grass will be cut as hay, baled and removed whenever it reaches Approximately 12 inches in height, or roughly every 4 to 6 weeks. Approximately three or four harvests can be expected.
2. May not harvest the hay for the first year to allow for a good stand of grass to become established. This will depend on weather conditions for the first year of production.
3. The ryegrass will be cut as hay, baled and removed from the field site in the months of March, April and May to insure that the shading of the bermudagrass does not occur.
4. Hay will not be harvested within 30 days of septage application.

G. SOIL EROSION AND RUNOFF CONTROL PLAN

Given the slopes on this site does not exceed three percent, a 50 foot buffer, planted in bermuda grass/ ryegrass, should suffice to prevent septage from migrating off the field.

Submitted by: Donna Payne Date: 5-9-11  
(site operator)

Prepared by: Ray Horn Date: 12/14/05  
Office: Cooperative Extension  
Address: 303 College Circle  
Alamogordo City, NC 28557  
Phone: 252-272-6352

# ROUSE SEPTIC TANK SERVICE, INC.

123 PETE ROAD  
NEWPORT, NC 28570

Phone (252) 726-6761



Mr. Chester R. Cobb

The hay in Field 1603 will  
be removed off site AND disposed  
of with other yard debris

Donald Byrd



# Septage Land Application Log Cover Sheet

Site Operator: DONALD BRYANT  
 SLAS Permit #: 1603  
 Site Location: 34.8050° N LATITUDE & -76.9006° W LONGITUDE  
(street address for the site or latitude and longitude)  
 Number of acres permitted: 7.5 ACRES  
 Permitted application rate: 50,000 GALLONS  
(gallons septage per acre per year)  
 Crop(s): CORN & BEANS  
 Crop nitrogen requirement(s): 5.0 TONS/AC X 45 LBS/DAY TON = 225.0  
2.5 TONS/AC X 25/DAY TON = 62.5  
(pounds nitrogen per acre)

**CERTIFICATION:**  
 "I certify, under penalty of law, that the pathogen requirements in (insert either 503.32 (c)(1) or 503.32 (c)(2)) and the vector attraction reduction requirements in (insert 503.33 (b)(9), 503.33 (b)(10) or 503.33 (b)(12)) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Donald W. Bryant  
 (signature)

5-9-11  
 (date)