



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
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**

PVI Enterprises  
James W. Faulk  
13603 Swampfox Hwy East  
Tabor City NC 28463

is hereby permitted to operate Septage Land and Application Site with permit # **SLAS-24-06** located on SR 905 in Columbus County in approximate position 34.10749°N latitude and -78.67874°W 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 10/31/2012

  
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 This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards both surface and ground waters.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 James W. Faulk and approved by the Division of Waste Management. The site contains approximately 9.0 acres that is divided into two fields, Field 1 with 4.5 acres and Field 2 with 4.5 acres. The fields shall remain established in Coastal Bermudagrass. Areas that develop less than 80% ground coverage of Bermudagrass shall be resprigged at 30 to 40 bu/ac in March or April of the following year. The Bermudagrass shall be overseeded with rye (or oats or wheat) in October of each year at a seeding rate of 2 bushels per acre. Herbicides and/or mowing shall be used to manage weeds in the Bermudagrass. The Bermudagrass shall be cut and baled for hay whenever it reaches between 12 and 15 inches in height. At least three cuttings of Bermudagrass should be obtained within each year. The winter crop shall be cut and baled for hay or straw in March and April of each year. The mandatory 30-day waiting period between the last application of septage and the harvest of each crop shall be met by alternating septage applications between this site and another permitted septage land application site. 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 James W. Faulk in such a manner as to prevent the migration of wastes off of the designated waste receiving 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, grease trap pumping, and portable toilet waste.** 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 9.0 acres that are available for land application of septage.** The maximum annual application rate shall be 50,000 gallons per acre per year, for a total, maximum annual application of 450,000 gallons. This application rate assumes equal septage distribution, on an annual basis, over the entire permitted area. Application amounts to the fields shall not exceed the maximum annual application rate or the monthly rates as listed in the approved nutrient management plan.
8. An approved above ground septage detention system with a minimum design capacity of 9,000 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 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 May 18, 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 or within 100 feet of any ditch.

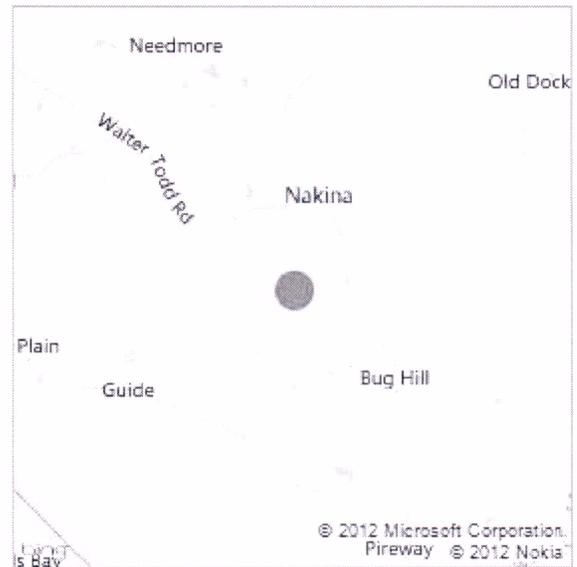
bing Maps

34.10749, -78.67874

My Notes



On the go? Use [m.bing.com](http://m.bing.com) to find maps, directions, businesses, and more



# SLAS-24-06



Source: Bing Maps aerial imagery, ESRI, (c) 2010 Microsoft Corporation and its data suppliers; 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.

crc, Oct. 2012



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
Secretary

December 13, 2012

James W. Faulk  
PVI Enterprises  
13603 Swamp Fox Hwy E  
Tabor City NC 28463

**RE: SLAS-24-06 and SDTF-24-06 Permit Renewals  
PVI Enterprises  
Walter Ward Rd in Columbus County**

Dear Mr. Faulk:

The NC Division of Waste Management has reviewed your application to renew septage land application site permit, **SLAS-24-06**, in Columbus County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SLAS-24-06**, is enclosed. Please read all permit conditions carefully. Your 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, and 15**. The following is a summation of those Conditions.

- **Condition 2.** This condition lists the acres of each field and incorporates crop management details listed in the submitted nutrient management plan.
- **Condition 6.** States that this site is only permitted to receive domestic septage, grease trap pumpings, and portable toilet waste. Disposal of any other type of septage or waste at this site is prohibited.
- **Condition 7.** States that there are 9.0 acres available at this site for land application of septage at a rate of 50,000 gal/ac/yr. The **annual maximum application amount for this site is 450,000 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 May 18, 2017.** 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.

Also, the Division has also reviewed your application to renew Septage Detention and Treatment Facility with Permit, **SDTF-24-06**, in Columbus County. The application has been approved in accordance with the NC Septage Management Rules and your permit, **SDTF-24-06**, is enclosed. Remember that Permit **SDTF-24-06** covers the operation of your detention tank and is different from your SLAS-24-06 permit.

As with your SLAS-24-06 permit, please read carefully the conditions of Permit **SDTF-24-06**. In particular, pay close attention to **Permit Conditions 7, 8, and 9**. Condition 7 states that there is **two (2) steel tanks for an approximate total site capacity of 24,000 gallons for the storage of domestic septage, grease trap pumpings, and portable toilet waste**. Condition 8 states that only the Permittee or an employee of the firm named in the permit may discharge septage at this facility unless the Division is notified and approval granted by the Division. Finally, **Condition 9 states that this permit shall expire on May 18, 2017** and that "an application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date."

Again, please pay close attention to the enclosed permits. Permit **SLAS-24-06** covers your septage land application site and Permit **SDTF-24-06** covers your septage detention site. Violations to the NC Septage Management Rules or these permits 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.

Sincerely,



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

Enclosures

cc: Central Office  
Wilton I. Davis, landowner  
Columbus 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 James W. Faulk  
Address 13603 S Namp Fox Hwy E  
Tabor City, NC 28463  
Phone 910-653-3672

2. Contact person for site operation (if different from applicant): \_\_\_\_\_  
Title or position \_\_\_\_\_ Phone \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

3. Landowner Wilton I DAVIS  
Address 1363 Walter Ward Rd  
Nakina, NC 28453

4. Site Location: County Columbus State Road Number SR 905  
Directions to site: 1363 Walter Ward Rd  
Nakina, NC

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

For a permit renewal or modification, provide the following information:  
Existing site permit number: SLAS-2406 permit expiration date: \_\_\_\_\_

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 9 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.

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

(over)





# 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, Wilton I DAVIS (name of site owner) hereby certify that I am the owner of 20 acres of land located 1363 Walter Ward Rd, NAKIMA, NC and identified by Book 994 - Pages 351 (book and page of recorded deed or tax map parcel) and that I agree to allow James W. Faulk dba PVI Enterprises (name of site operator) to use said land for septage land application for a period of 10 years (length of time), beginning 2-3-12 (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 Wilton I. Davis Date 2-3-12

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

Sworn to and subscribed before me this 3rd day of February, 2012.

Margaret L Seelers  
(Notary Public)

(OFFICIAL SEAL)

My Commission expires: April 18, 2012

\* 15A N.C. Admin. Code 13B Section .0800

\*\* As required by Rule .0843

# Nutrient Management Plan

## Weldon Faulk

### Septage

#### A. GENERAL INFORMATION

1. Periodic sampling (at least two times per year) of the septage will be conducted for waste analysis. These samples will be used to monitor nutrient loading.
2. Total area available for septage application is 9 acres of a 28 acre tract. For the purpose of developing the nutrient management plan, and a cropping plan, this site will be divided into two fields, Field #1, which consists of 4.5 acres, and Field #2 which also consists of 4.5 acres available for septage application. Each field is marked on a field photo.
3. The dominant soil series for Field #1 and Field #2 is Goldsboro. There is a small amount of Lynchburg soils on the edge in the buffer area. The slopes on this site are less than 2%.
4. Septage will not be applied when the site is untrafficable. This can be defined and measured as a loaded truck will not leave a depression greater than 3 inches in depth.
5. All nitrogen recommendations will be based on the realistic yield expectations for the site. Nitrogen recommendations for forages will be 75% of the realistic yield expectation should the forage be grazed.
6. Septage storage will be provided to account for the average volume septage pumped per week, or an alternative plan, such as disposal at a waste treatment plant, will be in place. An additional 20,000 gal of septage storage is available as needed.

## B. Crops To be Grown

1. This site will be used to grow hay crops under best management practices, with the harvested crops used for animal feed.
2. The site will include two separate and identifiable fields: Field #1 and Field #2, each consisting of 4.5 acres each.
3. This site, including both septage and surrounding crop land, is currently in coastal bermudagrass, with rye over seeded this fall. This field (all fields, including septage application sites and surrounding buffers) will be cut for hay as needed during the summer and used for animal feed.
4. Fields #1 and #2 will be over seeded with rye after the last harvest of coastal bermudagrass hay at the end of summer production season. This site will be over seeded with rye at the rate of 100-120 lbs per acre. This crop of rye will be cut and removed as a hay crop in early spring (April).
5. The buffer areas in the fields will be maintained in Coastal Bermuda grass. When over seeding the fields with rye, the buffer area will be seeded also. The grass in the buffer area will also be harvested as hay. The buffer area may receive an application of commercial fertilizer. These buffer areas will be cropped like the septage area, with the exception of septage application.

## C. Nitrogen Needs For The Crops Grown

R.Y.E. Realistic Yield Expectation

Nitrogen application is based on RYE for the soil type and location.

Crops Cut for Hay

<u>Crop</u>	<u>Soil Type</u>	<u>R.Y.E.</u>	<u>N Rate</u>	<u>lbs. N/Acre</u>
Common Bermuda	Goldsboro	6.5 ton	45.6 lb N/ton	296 lbs N

Rye                      Goldsboro    1 ton            50 lb N/ton            50 lbs N

**D. Application Rates**  
**Fields #1, #2.**

<u>Month</u>	<u>Coastal Bermuda,</u> <u>overseeded with rye</u>
January	medium
February	medium
March	medium
April	high
May	high
June	high
July	high
August	high
September	low
October	low
November	low
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.

20,000 gallons of storage is available, and will be utilized in times of unfavorable weather and low crop utilization periods.

**E. Application Method**

The preceding information is based on septage being evenly applied over the permitted site by broadcasting, using a shovel spreader, from the 2300 gallon tank on the pumper

truck.

#### **F. Additional Fertility Requirements**

Additional potassium may need to be applied in both fields according to the soil test results and recommendations'. The initial Soil Test Report recommends 30 lbs Potassium.

The buffer areas around the field will be fertilized and limed in accordance with best management practices and the soil sample recommendations from NCDA.

Additional nitrogen applications from commercial sources may be needed when septage will not be applied to the field in order to keep the crop growing and healthy.

#### **G. Harvest Of Crops And Their Use**

1. The coastal bermudagrass will be cut and baled when it reaches approximately 12 inches tall. This will be from late April or June through September. Three to five harvests can be expected per year, depending on the weather during the season. All hay harvested will be removed from the site and utilized as animal feed.
2. The rye that has been over seeded will be cut for hay and baled in March or April. All hay harvested will be removed from the site and utilized as animal feed.
3. A 30 day waiting period must be observed between septage application and harvest of the hay crop. The utilization of the two fields will allow septage applications to one field while allowing for the 30 days of no septage application before harvest on the alternative field.

#### **SOIL EROSION AND RUNOFF CONTROL PLAN**

Given that there is almost no slope in this field, (slope is less than 2%) and that the entire field is surrounded by woodland, there should be almost no runoff. As a precaution for runoff no waste will be applied within 25 feet of the

field borders. There is coastal bermudagrass planted on this 25 foot border and managed in accordance with best management practices.

Submitted by James W. Faulk  
Date 2-3-12

Weldon Faulk  
13603 Swamp Fox Hwy East  
Tabor City, NC 28463

Plan Prepared By  
Michael W. Shaw  
Extension Agent - Field Crops  
45 government Complex Rd  
Suite A  
Whiteville, NC 28472  
910-640-6605

January 18, 2012

If the bermudagrass stand falls below 80% the site will be resprigged in March or April at 30-40 bushels per acre.

Both fields will be overseeded in a cover crop.

Only overseeding half the site with a cover crop will result in a drastic reduction in your winter application volume.

James W. Faulk  
James W. Faulk  
10-23-12

# Septage Land Application Log Cover Sheet

Site Operator: James Fawik dba PVI Enterprises  
SLAS Permit #: SLAS #2406  
Site Location: \_\_\_\_\_

(street address for the site or latitude and longitude)

Number of acres permitted: 9 acres

Permitted application rate: 50,000 gal Per acre, Not to exceed 450,00  
(gallons septage per acre per year) Per Year

Crop(s): \_\_\_\_\_

Crop nitrogen requirement(s): \_\_\_\_\_

(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."

James W. Fawik  
(signature)

2-3-12  
(date)

