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

PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

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

is hereby issued a permit to operate a Septage Land Application Site with permit # **SLAS-24-06** on SR 905 in Columbus County. 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 effect at the time of review.

Date Issued 5/18/2007

Ted Lyon

Ted Lyon, 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 This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of the surface waters and ground waters.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. The 9 acre site shall be divided into two approximately equal fields that contain 4.5 acres each. Both fields have been sprigged in coastal bermudagrass. Areas that develop in less than 80% cover in bermudagrass will be re-sprigged in the Spring of 2008 at 30-40 bushels/acre. In October of each year, both fields will be overseeded with cereal rye at a seeding rate of approximately 100-120 lbs/acre. The bermudagrass in fields 1 and 2 shall be cut and baled as hay every four to six weeks, or whenever it reaches 12 to 15 inches in height beginning in May or June. At least three bermudagrass harvests shall be made each year. The cereal rye will be cut as hay and baled in March and April of each year. The 30-day waiting period between the last application of septage and the harvest of a crop shall be met by alternating septage applications between fields. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan. Potassium fertilizer may be added to each field in each year in accordance with the annual soil test results for the crops grown. Supplemental nitrogen may be added in addition to septage according to the nutrient management plan in amounts that do not exceed the crop N requirements.

3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by James W. Faulk. The area around the permitted fields shall remain undisturbed in coastal bermudagrass and cereal rye. Any site improvements noted in the plan must be installed within 30 days of plan approval. The site shall be operated and erosion and runoff control measures maintained in such a manner as to prevent migration of wastes off of the designated waste receiving site. The installation of groundwater monitoring wells may be required.

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 government agencies (local, state and federal) which have jurisdiction. It is the responsibility of the Permittee to be in compliance with the requirements of 40 CFR 503.

5. This permit may be modified or reissued to incorporate any conditions, limitations and monitoring requirements the Division of Waste Management deems necessary to adequately protect the environment and public health.

6. This site is only permitted for the land application of **domestic septage, portable toilet waste, and grease septage.** 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 acres that are available for the 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 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 10,000 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. Septage shall not be applied during periods of high soil moisture.

10. 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 shall discharge septage at this site without prior appropriate notification and written approval of the Division of Waste Management.

11. 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.

12. **This permit shall expire on May 18, 2012.** 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 .0822 (e) (1) of the NC Septage Management Rules and 40 CFR Part 503.17(b) of the Federal Register. This permit is non-transferable.

13. 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.

14. 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.

15. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site.

16. 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.

Operator: James W. Faulk
SLAS #: 24-06
County: Columbus

17. Site location: latitude 34 06 28
longitude 78 40 42

SLAS-24-06

UTM
17 North
NAD 1983 (Conus)

N

Scale 1:5,000

0 600.0

Feet

PVI.SSF

5/9/2006

GPS Pathfinder® Office

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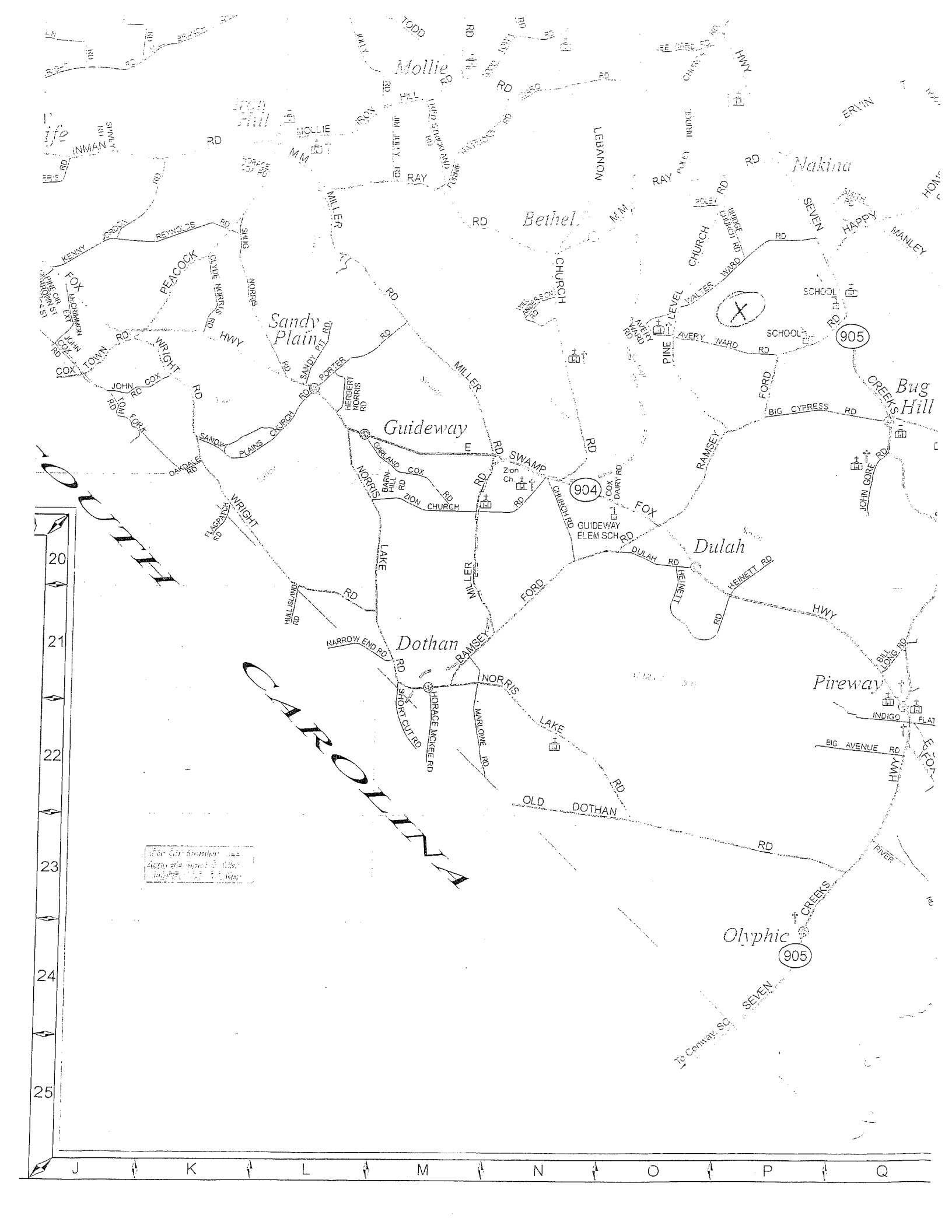
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SWAMP RD
LAKE RD
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APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
401 Oberlin Rd., Ste. 150, Raleigh, NC 27605

I. Site and Operator Information

1. Applicant JAMES W. FAULK
   Address 13603 SWAMP FOX HWY E.
   TABOR CITY N.C. 28463
   Phone 910-653-3672

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

3. Landowner WILTON T. DAVIS
   Address 1363 WALTER WARD RD.
   NAKINA N.C. 28455

4. Site Location: County COLUMBUS State Road Number SR 905
   Directions to site: 1363 WALTER WARD RD.
   NAKINA N.C. 28455

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

   For a permit renewal or modification, provide the following information:
   Existing site permit number: SLAS-24-06 permit expiration date: 5-08-07

6. Number of acres meeting the requirements of the NC 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)

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 24-06, GRAND STRAND W.W.T.P., SHALOTTE WW.T.P.

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): ALL WASTE WILL BE PH. 12 WHEN LAND APPLIED SEPTAGE WILL BE LIME STABILIZED TO A PH OF 12 & HOLD FOR THIRTY MINUTES PRIOR TO APPLICATION. GREASE SEPTAGE WILL BE LIME STABILIZED TO A PH OF 12 AND HOLD THERE FOR TWO HR. PRIER TO APPLICATION

6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): SEPTAGE WILL BE SPREAD EVENLY ACROSS THE SITE FROM A MOVING VEHICLE

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): ALL AGRICUITORAL LAND

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.

James W. Faulk
Signature***

4-23-07
Date

JAMES W. FAULK
Print name

OWNER
Title

Note: This application will not be reviewed until all parts of the application are complete.
*** Refer to Section .0821(e) of the NC Septage Management Rules.**
**** Refer to Section .0821(g) of the NC Septage Management Rules.**
*****Signature of company official required.**

Landowner's Authorization to Operate a Septage Land Application Site

Division of Waste Management - Solid Waste Section
401 Oberlin Rd, Ste. 150, Raleigh, NC 27605

I, WILTON J. DAVIS (name of landowner) hereby certify that I am the owner of 20 acres of land located 1363 Walter Ward Rd., Nakina, N.C. 28455

and identified by Book 794 Page 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 NOV. 15, 2005 (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 J. Davis Date 2/27/07

Signature of landowner Wilton J. Davis Date 2/27/07

Sworn to and subscribed before me this 27th day of February, 20 07.

Estalena Faulk
(Notary Public)

(OFFICIAL SEAL)

My Commission expires: 08/08/08

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

** As required by Rule .0826

New - 2007

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

Crop	Soil Type	R.Y.E.	N Rate	lbs. N/Acre
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.

Month	Coastal Bermuda, overseeded with rye
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 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 Weldon Faulk
Date 5-8-07

Weldon Faulk
13603 Swamp Fox Hyw 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

April 19, 2007