

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

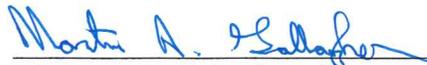
**PERMIT TO OPERATE A SEPTAGE LAND
APPLICATION SITE**

Chantilly Septic Tank Service
Peter J. Minks Jr.
Lark Renee Phillips
25140 NC Hwy 125
Scotland Neck, NC 27874

is hereby issued a permit to operate a Septage Land Application Site with permit # **SLAS-42-08** on NC Hwy 903 in Halifax County at approximate position 36.35933° N latitude and -77.64027° 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 effect at the time of review.

Date Issued 1/12/2012


Martin A. Gallagher, Supervisor
Solid Waste Section

Operator: Peter J. Minks Jr. and Lark Renee Phillips
SLAS #: 42-08
County: Halifax

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 This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of both surface and ground waters.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 Peter J. Minks Jr. and Lark R. Phillips and approved by the Division of Waste Management. The 11.7-acre site shall be divided into four fields known as Fields 1 (2.3 acres), 2 (2.8 acres), 3 (3.7 acres) and 4 (2.9 acres). Fields 1, 2 and 3 shall remain established in coastal bermudagrass and shall be overseeded with annual ryegrass at a rate of 25 to 30 lbs/ac or rye at a rate of 1.5 to 2 bu/ac between August 15 and November 1 of each year. Areas where the bermudagrass stand falls below 80% in coverage shall be re-sprigged. The bermudagrass shall be cut as hay and baled from Fields 1, 2 and 3 whenever it reaches approximately 12 inches in height, or roughly every four to six weeks beginning in June. The rye or ryegrass shall be harvested from Fields 1, 2 and 3 in March. If ryegrass is used, the producer shall let the stand seed out for approximately 60 days in April and May. Approximately 100 lbs/ac of nitrogen fertilizer may be applied to Fields 1, 2 and 3. Phosphorus and potassium fertilizer shall be added to Fields 1, 2 and 3 in accordance with soil test results for the crops grown. Field 4 shall be planted to corn at a rate of 10 to 15 pounds per acre between April 15 and June 1 of each year. The corn shall be double cropped to annual ryegrass or rye within two weeks of harvesting the corn. The rye or ryegrass in Field 4 shall be tilled under for green manure. Additional fertilizer and lime shall be added to Field 4 in accordance with soil test results for the crops grown. The 30-day waiting period between the last application of septage and the harvest of a crop shall be met by alternating septage applications, the waiting period, and harvest among the permitted fields. 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 Peter J. Minks Jr. and Lark R. Phillips in such a manner as to prevent the migration of wastes off of the designated waste receiving site. A vegetative buffer of at least 25-feet 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, grease trap pumpings, and portable toilet waste.** 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 11.7 acres that are available for the land application of septage. Currently only Fields 1, 2, and 3 with a permitted area of 8.8 acres are considered to be active. For Fields 1, 2, and 3, the maximum annual application rate shall be 50,000 gal/ac/yr, for a maximum annual application volume of 440,000 gallons.** For Field 4 (2.9 acres), the maximum annual application rate shall be 46,000 gal/ac/yr. Upon opening of Field 4, the maximum annual application volume for the site may be increased up to 573,400 gallons. These application rates assume equal septage distribution, on an annual basis. Monthly septage applications shall not exceed the monthly relative application rates given in the approved nutrient management plan for the site.

Operator: Peter J. Minks Jr. and Lark Renee Phillips
SLAS #: 42-08
County: Halifax

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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.
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 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 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 6, 2013.** 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 field 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.
20. **Field 4 is considered inactive until further notice. Field 4 must be inspected and approval granted by the Division prior to any septage applications to the field. Please notify the Division at least two (2) weeks prior to when you wish to open the field.**

H

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COUNTY

ROANOKE RAPIDS LAKE

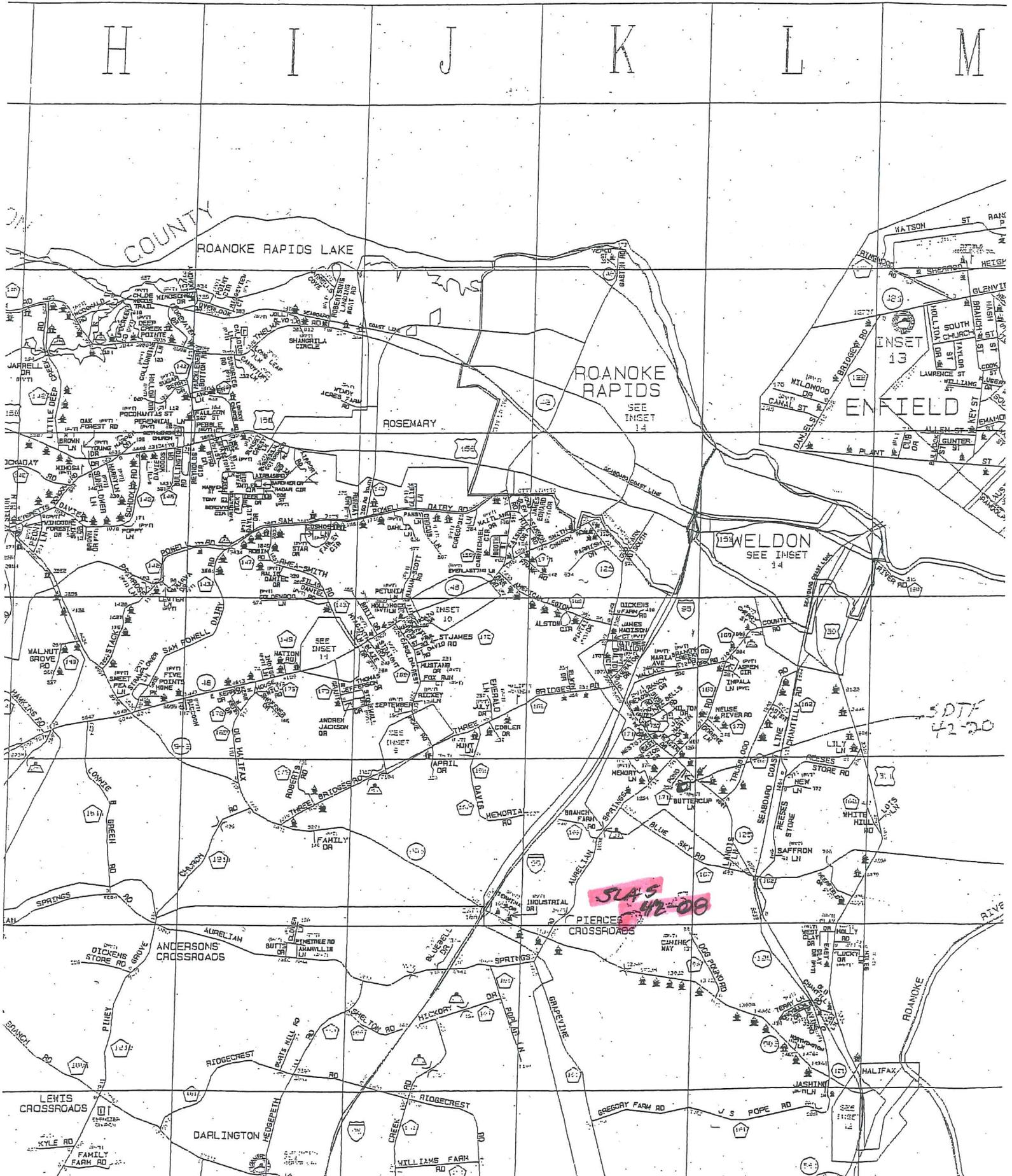
ROANOKE RAPIDS
SEE INSET 14

ENFIELD

WELDON
SEE INSET 14

SLAS 42-08

SDTF
42-20



SLAS-42-08



Source: 2010 NAIP Color Imagery, NCDA; 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

January 17, 2012

Mr. Peter J. Minks, Jr
Mrs. Lark Renee Phillips
Chantilly Septic Tank Service
25140 NC Hwy 125
Scotland Neck, NC 27874

**RE: Issuance of Permits SDTF-42-08 and SLAS-42-08
Chantilly Septic Tank Service
Hwy 125 and Hwy 903 in Halifax County**

Dear Mr. Minks and Mrs. Phillips:

The NC Division of Waste Management has reviewed your application to operate a septage detention facility in Halifax County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SDTF-42-08**, is enclosed. Please read all permit conditions carefully. Pay particular attention to Conditions 7, 8 and 9. **Permit Condition 7 states that this facility consists of one (1) steel tank with an approximate storage capacity of 10,000 gallons for domestic septage, grease trap pumpings, and portable toilet waste. The storage or treatment of any liquid or solid waste other than domestic septage, grease trap pumpings, or portable toilet waste is prohibited. 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. Condition 9 states that this permit shall expire on January 6, 2013 and that an application for permit renewal shall be submitted at least ninety (90) days prior to the permit expiration date.**

The Division also reviewed your application to operate a septage land application site in Halifax County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SLAS-42-08**, is enclosed. Please read all permit conditions carefully. The nutrient management and soil erosion and runoff control plans you submitted have been included in 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.** Field sizes along with crop management details listed in the submitted nutrient management plan have been incorporated into this condition.

- **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 out of 11.7 acres available at this site for land application of septage, only 8.8 acres are consider active. At an application rate of 50,000 gal/ac/yr and only 8.8 active acres, the **annual maximum application amount is 440,000 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.
- **Condition 15.** **This permit is set to expire on January 6, 2013.** 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.** **Field 4 is considered inactive until further notice. Field 4 must be inspected and approval granted by the Division prior to any septage applications to the field.**

Again, please pay close attention to all of the conditions within the enclosed permits. Each permit is different from the other and contains specific conditions in relation to the operation of a septage detention facility or a septage land application site. Permit, **SDTF-42-08**, covers the septage storage facility and permit, **SLAS-42-08**, covers the septage land application site. Remember that 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. When communicating to the Division about these permits, please refer to them as “**SDTF-42-08**” or “**SLAS-42-08.**”

Sincerely,



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

Enclosures

cc: Central Office
Vernon Daughtry, SDTF Landowner
Robert Gardner, SLAS Landowner
Halifax 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
Address

Peter J Minks Jr + Lark Renee Phillip
25140 N.C. Hwy 125
Scotland Neck, N.C. 27874
Phone 252-536-3996 / 252-342-7266

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

Same as above
Phone _____

3. Landowner
Address

Robert Page Gardner
2234 Ridgecrest Rd
Halifax NC 27839

4. Site Location:

County Halifax State Road Number Hwy 903

Directions to site:

From Pierces X Roads go East 1 mile
Cross Creek Turn Left Follow Path to site

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

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

Existing-site permit number: 42-03 permit expiration date: 1

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. 42-03

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): SDF, Weldon WWTTP

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): Apply Lime to Septage in Tank #12. pH 12 is reached and held for 30 min prior to land appl. Apply Lime to Grease and reach a pH of 12 hold in tank for 2 hrs. Grease is de-luted by 2/1

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 via moving pump truck.

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 agricultural 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.

Peter J Minks Jr
Lark Renee Phillips
Signature**
Peter J Minks Jr
Print name
Lark Renee Phillips

Nov 16, 11
Date

Nov 16, 11
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.

SLAS-42-08

- PETER MENKS AND LARK PATLICKS
- SITE PREVIOUSLY PERMITTED TO VERNON DAUGHTRY AS SLAS-42-03
- PETER MENKS AND LARK PATLICKS ATTENDED A NEW OPERATOR CLASS FOR SEPTAGE LAND APPLICATION SITE PERMIT ON 12-16-11
- WOULD LIKE TO SEE SEEDING RATE FOR BERMUDA IN NEXT NMP.

CRC 1/6/12

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, Robert Page Gardner Jr (name of site owner) hereby certify that I am the owner of
9 acres of land located one mi. East of Pieces Cross Roads
on Hwy 903 past creek turn left in field path site
and identified by BOOK 1468 Page 69 (book and page of recorded deed
or tax map parcel) and that I agree to allow Peter J Minks Jr. (name of site
Lark Phillips Minks
operator) to use said land for septage land application for a period of 5 years (length
of time), beginning Dec 1, 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 _____

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

Signature of landowner Robert P. Gardner Jr Date 11-30-11

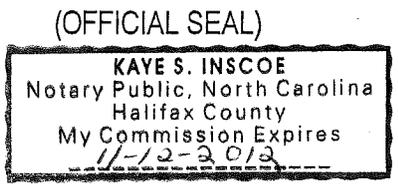
Signature of landowner _____ Date _____

Sworn to and subscribed before me this 30 day of November, 2011.

Kaye S Incoe
(Notary Public)

My Commission expires: 11-12-2012

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



Nutrient Management Plan for Peter & Lark Phillips Minks

A. General Information:

1. Two samples per year of the septage will be conducted for waste analysis
2. Soil samples of fields 1,2,3 and 4 will be done annually from March through June. Fields 1,2 and 3 are of the Marlborough soil series and field 4 is of the Bonneau series.
3. Fields 1,2, 3 and 4 contain approximately 4 acres per field.
4. Septage will not be applied where the site is untrafficable.
5. Septage will not be lime stabilized. (For grease traps, at least two 2 hours)
6. All Nitrogen Recommendations will be 75% of the realistic yield expectation should the forage be only grazed.
7. Septage storage shall be provided to account for the average volume of septage pumped per week or an alternative plan, such as disposal at a waste treatment plant, should be in place.
8. Re-sprigging of Bermuda grass in fields 1-3 will be done if less than 75% of ground is covered by Bermuda grass.

B. Crops:

1. Fields 1,2, and 3 are planted in Coastal Bermuda grass. Field 4 is planted in corn at 10-15 lbs per acre from April 15-June 1. All fields shall be planted with Annual rye grass at 25-30 lbs per acre or annual cover crop rye at 1.5-2 bushel per acre from August 15-November 1. On field 1-3, Annual ryegrass or cover crop rye should be planted after the first frost to inhibit Bermuda grass growth. On field 4, cover crop Rye or rye grass should be planted within 2 weeks of harvesting the corn.

C. Nitrogen needs for crop growth :

Fields 1, 2, 3

Crop(cut for hay) Rye.	N. app. Rate 1 lb N/acre
Common Bermuda grass	4 tons/acre x 40 lbs N/dry ton = 160 lbs.
<u>Annual rye grass</u>	<u>3 tons/acre x 25 lbs N/dry ton = 75 lbs</u>
	235 lbs. N/acre

Field 4

Corn	12 tons/A	x 10 lbs/ T	120
<u>Rye</u>	<u>2 tons/A</u>	<u>x 40 lbs/T</u>	<u>80</u>
		Total	200 lbs

D. Relative Application rates for Fields 1-4

<u>Month</u>	<u>Field</u>	
	<u>Field 1-3</u>	<u>Field 4</u>
Jan.	low	low
Feb.	medium	medium
March	medium	medium
April	high	high
May	high	low
June	high	0
July	high	0
Aug	high	0
Sept	medium	medium
Oct	medium	medium
Nov	medium	medium
Dec	low	low

None=0 gal Low=5000 gal Medium=10,000 gal High=15,000 gal

E. Application Method

The Preceding information is based on septage being evenly applied over the entire permitted site by trucks with sprayers.

F. Fertility Requirements including Septage and Chemical Fertilizers

Fields 1, 2, and 3.

Additional fertilizer and lime can be added up to the amounts recommended by soil samples results.

Field 4: Additional fertilizer and lime will be added according to the soil sample results.

G. Harvesting Considerations

1. The Bermuda grass will be cut as hay and baled whenever it reaches approximately 12 inches or roughly every four to six weeks beginning in June. Ryegrass or Rye can start to be harvested in March. If Ryegrass is used, producer will let the stand seed out for approximately 60 days in April and May. Then it can be harvested as hay in fields 1-3, or in field 4, killed off and left on the land in no till situations or tilled under for green manure.

2. A 30-day period must be observed between the last application of septage and harvest. Septage will be applied in a six-week rotation using fields 1, 2 & 3 (two weeks per site). Field 4 will be applied at the right time of year (see part D).
3. Bales of hay will be used by local farmers for livestock feeding purposes.
4. Corn will be harvested from August to October and fed to livestock. Annual Rye will be planted as a cover crop in the fall at two bushels per acre.

Soil Erosion and Runoff Control Plan

25-foot fescue buffers around the edge of the fields at a distance of 250 feet from the well should suffice to prevent septage from migrating off of the fields.

Submitted by: Peter J Minks & Lauri Phillips Minks
Land Owner: Robert P Gardner
Plan Prepared by: Stacy A Seive 12/12/2011
Address: PO Box 37, Halifax, NC 27839
Phone Number: 252-583-5161
