

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

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

Brock's Septic Tank Service, Inc.  
Eldridge R. Brock  
2899 Summerlins Crossroads Rd  
Mt. Olive, NC 28365

is hereby issued a permit to operate a Septage Land Application Site with permit # **SLAS-96-11** on SR 1120 in Wayne County at approximate position 35.26879° N latitude and -77.96276° 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 4/4/2012

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

Operator: Eldridge Ray Brock  
SLAS #: 96-11  
County: Wayne

Page 2 of 3

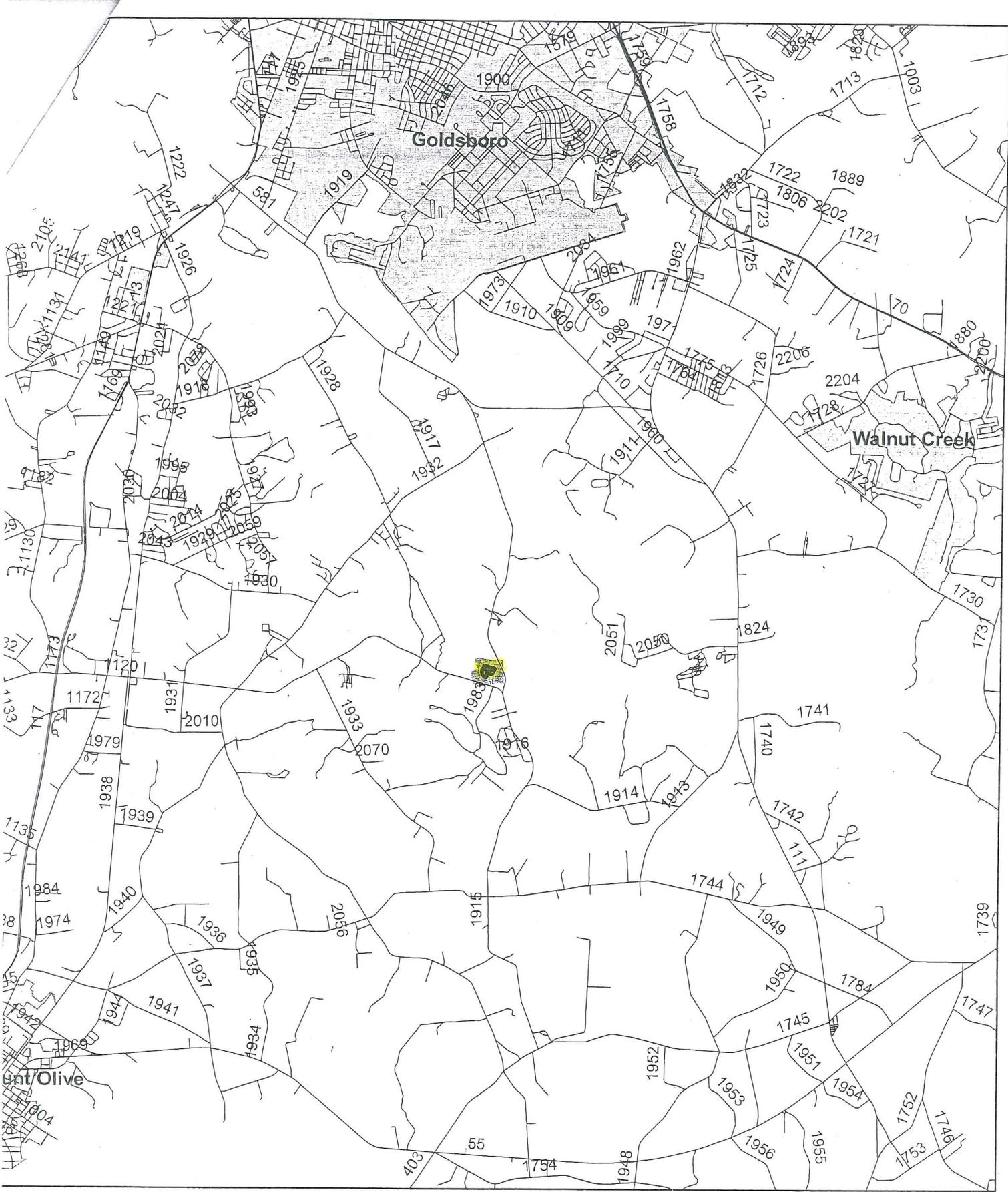
**Permit Conditions:**

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 This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of both surface and ground waters.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 Mr. Eldridge R. Brock and approved by the Division Waste Management. The 8.1-acre site shall be divided into two fields as Field 1 (3.7 acres) and Field 2 (4.4 acres). Both fields shall remain established in Hybrid Bermudagrass and be overseeded with annual ryegrass in September of each year at a seeding rate of 30 pounds per acre. Areas where the bermudagrass stand drops below 80% in coverage shall be re-sprigged with Hybrid Bermudagrass at a planting rate of 30 to 40 bushels per acre in March or April. The bermudagrass shall be cut as and removed whenever it reaches approximately 12-15 inches in height or roughly every 4 weeks. The ryegrass will be cut and removed from the site in April. The harvested vegetation is to be destroyed. Should the vegetation be harvested for animal feed, a 30-day waiting period between the last application of septage and the harvest of any crop shall be observed. All discharges shall occur within the permitted area and shall be 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 Mr. Eldridge R. Brock 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 and grease trap pumpings.** Domestic septage pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. Grease septage or grease septage mixed with domestic septage shall be raised to pH 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application.
7. **This site contains approximately 8.1 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 405,000 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 8,000 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.

Operator: Eldridge Ray Brock  
SLAS #: 96-11  
County: Wayne

Page 3 of 3

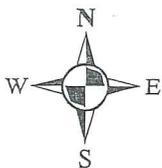
9. Only the area designated on the attached site map(s) shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner that there is no standing water when the discharge is complete.
10. Septage shall not be applied during 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 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 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 December 31, 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 .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.



**Goldsboro**

**Walnut Creek**

**Mont Olive**



# SLAS-96-11

# SLAS-96-11



Source: 2010 NAIP Color Imagery, NCDA; site boundary, NC DENR Division of Waste Management.  
Map created by NC DENR Division of Waste Management. Compost & 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

April 10, 2012

Mr. Eldridge Ray Brock  
Brock's Septic Tank Service  
2899 Summerlins Crossroads Rd.  
Mt. Olive, NC 28365

**RE: SLAS-96-11 and SDTF-96-11 Permit Renewals  
Brock's Septic Tank Service  
SR 1120 in Wayne County**

Dear Mr. Brock:

The NC Division of Waste Management has reviewed your application for renewal of septage land application site permit, **SLAS-96-11**, in Wayne County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SLAS-96-11**, 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, and 15**. The following is a summation of those Conditions.

- **Condition 2.** This condition lists the acres of the fields 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 and grease trap pumpings. Disposal of any other type of septage or waste at this site is prohibited.
- **Condition 7.** States that there are approximately 8.1 acres available at this site for the 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 405,000 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 December 31, 2012.** 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 reviewed your application for renewal of septage detention facility permit, **SDTF-96-11**, in Wayne County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SDTF-96-11**, is enclosed. Please read all permit conditions carefully. In particular, pay close attention to Conditions 7, 8 and 9. **Permit Condition 7** states that this facility consists of one steel tank with a site capacity of 6,000 gallons for the storage of domestic septage and grease trap pumpings. The storage or treatment of any other liquid or solid 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 December 31, 2012 and that an application for permit renewal shall be submitted at least ninety (90) days prior to the permit expiration date.**

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 land application site or a septage detention facility. Permit, **SLAS-96-11**, covers the operation of the septage land application site and permit, **SDTF-96-11**, covers the operation of the septage detention facility. 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 "**SLAS-96-11**" or "**SDTF-96-11**".

Sincerely,



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

Enclosures

cc: Central Office  
Calvin Hodgins, Landowner  
Wayne 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  
401 Oberlin Rd., Ste. 150, Raleigh, N.C. 27605



## I. Site and Operator Information

1. Applicant Brock's Septic Tank Service Inc. Eldridge Ray Brock  
Address 2899 Summerlins Crossroads Rd.  
Mt. Olive N.C. 28365  
Phone 919-658-2832

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

3. Landowner Calvin Hodgin Landmark Realty  
Address 2522 East Ash St.  
Goldsboro, N.C. 27530

4. Site Location: County Wayne State Road Number Sleepy Creek Rd. Dudley  
Directions to site: Take Sleepy Creek Rd. from Hwy 117 to Dudley go to  
Arrington Bridge Rd and Sleepy creek intersection last path on left  
before intersection.

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

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

Existing site permit number: slas 96-03 permit expiration date: 12-31-11

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 9.2  
acres.

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

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

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

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 Included
2. Soil Erosion and Runoff Control Plan swell around facility to contain any spills + leaks
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): Detention facility permit # 96-11
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): Domestic Septage will be treated with lime + brought up to a Ph of 12 and held at 12 for 30 mins before application. Grease will be mixed with septage at a rate of at least 1-1 and treated the same as septage but held at Ph of 12 for 2hrs before application
6. Proposed method of applying septage to land, including septage distribution plan if required\* (use additional paper to explain if necessary): Spread evenly across the field using a moving vehicle to allow for even distribution on the field.
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): The 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.

Eldridge Ray Brock  
Signature\*\*

10-6-11  
Date

Eldridge Ray Brock  
Print name

President  
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.

Limited Liability Company 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 Road, Suite 150, Raleigh, N.C. 27605



I hereby certify that the undersigned limited liability company, Landmark Legacy, LLC, owns 9.2 acres of land located Indian Springs Township, Wayne County off Arrington Bridge Rd. & Sleepy Creek Rd. and identified by Parcel #350 5934 828 (book and page of recorded deed or tax map parcel) and that the limited liability company agrees to allow Eldridge Ray Brock (operator name) to use said land for application of septage for a period of one year (indicate time period) beginning 12-31-12 (give date), and that on behalf of the limited liability company, I have read the North Carolina Septage Management Rules\*, and Landmark Legacy, L.L.C. (name of limited liability company) understands and agrees to maintain the restrictions on land use after septage application ends\*\*. Landmark Legacy, L.L.C. (name of limited liability company) further understands 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 the undersigned limited liability company, or jointly with (name all co-owners, or state none)

Date: 2-28-12

Landmark Legacy, L.L.C.  
 Limited Liability Company (Print Name)

[Signature]  
 Signature (Authorized Member or Manager)  
MEMBER

H. CALVIN HODGON  
 Print Name and Title  
MEMBER

North Carolina  
Wayne County

I, Lisa Hering, a Notary Public for said County and State do hereby certify that H. Calvin Hodgson (name of authorized member or manager of limited liability company) personally appeared before me this day and, being first duly sworn, acknowledged that he (she) is a (the) Member (member or manager) of Landmark Legacy, LLC, a limited liability company, and that by authority duly given and as the act of the limited liability company, the foregoing instrument was signed in its name by its authorized Member (member or manager), and that the statements contained therein are true. Witness my hand and official seal, this the 28th day of February, 2012.

[Signature]  
 Notary Public  
 My Commission expires: 10-15-16

(OFFICIAL SEAL)

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

March 10, 2011

Mr. Chester Cobb  
Soil Scientist  
NC Division of Waste Management  
1601 Mail Service Center  
Raleigh NC 27699-1601



Eldridge Brock  
Brock's Septic Tank Service  
2899 Summerlin's Crossroads Road  
Mount Olive NC 28365

Dear Mr. Cobb,

This letter is in reference to a modified Nutrient Management Plan for Site 96-11 maintained by Brock's Septic Tank Service in Mount Olive North Carolina. The amended Nutrient Management Plan reflects a change in how the vegetation in the application areas will be handled after harvesting. Please do not hesitate to contact me with any questions or concerns pertaining to this modified plan.

Sincerely,

Eldridge Brock  
Owner  
Brock Septic Tank Service

A handwritten signature in black ink that reads "Eldridge Ray Brock". The signature is written in a cursive style.

**SEPTAGE NUTRIENT MANAGEMENT PLAN  
FOR APPLICATION  
TO BERMUDA AND RYEGRASS  
Brock's Septic Tank Service  
Site 96-11**

**A. General Information:**

1. The site contains approximately 9.2 wetted acres, which is split into two application fields.
2. The dominant soil type is a Kenansville.
3. Septage will not be applied where the site is untrafficable. (Untrafficable is defined as soil that will not allow a loaded truck to leave a depression in sod greater than 3 inches in depth).
4. 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.

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

The present stand of ryegrass will be maintained. The hybrid bermudagrass was established on April 20, 2001 at a sprigging rate of 55 bushels of sprigs per acre according to the custom operator. The fields were resprigged on May 4, 2002. If areas develop where the stand is inadequate, these areas should be renovated. Renovation can be made by resprigging with hybrid Bermuda at a rate of 30-40 bushels per acre in March or April. Each year the field will be overseeded with annual ryegrass at a rate of approximately 30 pounds per acre in September.

**C. Nitrogen needs for crop grown:**

R. Y. E. = Realistic Yield Expectation

Nitrogen Application Rate = Suggested Nitrogen rate based on R. Y. E. for the soil type.

Crop	R. Y. E.	N Application Rate	Lbs of N/Acre
Hybrid Bermudagrass	5.5 tons/acre	50 lbs/Dry Ton	275
Annual Ryegrass	3.0 tons/Acre	45 lbs/Dry Ton	135
		TOTAL	410

**D. Crop Plan for Field**

Month	Field #1	Field #2
January	rye	rye
February	rye	rye
March	rye	rye
April	rye*/bermudagrass	rye*/Bermuda
May	bermudagrass	bermudagrass
June	bermudagrass	bermudagrass
July	bermudagrass	bermudagrass
August	bermudagrass	bermudagrass
September	bermudagrass	bermudagrass
October	rye+	rye+
November	rye	rye
December	rye	rye

+planted at some time during the month

\*harvested at some time during the month

**E. Relative Application Rates**

	Field #1	Field #2
January	Low	Low
February	Low	Low
March	Low	Low
April	High*	High*
May	High	High
June	High	High
July	High	High
August	High	High
September	Medium	Medium
October	Medium	Medium
November	Low	Low
December	Low	Low

\* Application only after harvesting rye

None = 0 gallons, Low = maximum of 5,000 gallons (13 pounds of PAN), Medium = maximum of 10,000 gallons (26 pounds of PAN), High = maximum of 15,000 gallons (39 pounds of PAN)

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

The average plant available nitrogen (PAN) content of septage is 2.6 pounds per 1000 gallons.

**F. Application Method**

The preceding information is based on septage being evenly applied over the entire permitted site using normal septage application equipment. Septage will be lime stabilized prior to application due to the growth of the crop.

**G. Additional Fertility Requirements**

1. Phosphorous and potassium must be added in accordance with the soil test recommendations for the crop grown. This will require the addition of commercial fertilizers containing those nutrients.
2. Additional nitrogen should be applied from commercial fertilizers so that the total nitrogen rates meet the R. Y. E. rates previously listed in the table in Section C above.
3. Nitrogen, phosphorous, and potassium applied in the septage should be subtracted from the total nutrient needs to determine the proper commercial fertilizer rates.
4. The buffer areas should be fertilized with commercial fertilizers based on soil test results and in accordance with the R. Y. E. of each hay crop grown as documented in Section C above.

**H. Harvest of the crops and their use:**

1. The Bermudagrass will be cut and removed from the application site at the time it reaches approximately 12-15 inches in height, or every thirty days. After removal from the land application site, the harvested vegetation will be destroyed.
2. The ryegrass will be cut and removed from the application site in April. After removal from the land application site, the harvested vegetation will be destroyed.

**SOIL EROSION AND RUNOFF CONTROL PLAN**

Given that the slopes on this site do not exceed five percent, a 50 foot vegetative buffer consisting of Bermudagrass and ryegrass, should suffice to prevent septage waste from migrating off of the fields. More severe site conditions could require that soil erosion structures be installed before septage can be applied.

Submitted By: Eldridge Ray Brock Date: 3-7-72

Submitted By: Eldridge Ray Brock Date: 3-11-11  
Site Operator

Prepared By: [Signature] Date: February 25, 2011

Star Waters Jackson  
605 Sheep Pasture Road  
Albertson, NC 28508  
252.568.3610 (home)  
252.361.8658 (cell)

# Septage Land Application Log Cover Sheet



Site Operator: Eldridge Ray Brock  
Brocks Septic Tank Service Inc.

SLAS Permit #: 96-03

Site Location: sleepy creek Rd. Dudley N.C. 28333  
(street address for the site or latitude and longitude)

*Wayne  
County*

Number of acres permitted: 9.2

Permitted application rate: 50,000 Acres per year per acre  
(gallons septage per acre per year)

Crop(s): Bermuda grass and rye

Crop nitrogen requirement(s): Rye  
(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."

Eldridge Ray Brock  
(signature)

10-6-11  
(date)

Brocks Septic Tank Service SEPTAGE LAND APPLICATION  
 SITE LOG SLAS 9611

2011

ANNUAL SUMMARY

SLAS 9611

	Pumped / Applied	Field Maximum
Septage	226,950	0
Grease	17,920	0
PTW	0	0
Field 1	110,820	0
Field 2	134,050	0
Field 3	0	0
Field 4	0	0
Field 5	0	0
Field 6	0	0

Maximum Annual Application Rate	405,000
Total Amount Applied to Site	244,870

Monthly Application Totals

January	February	March	April	May	June	July	August	September	October	November	December
12,600	10,400	17,400	30,000	21,200	29,650	23,200	23,500	23,020	21,500	13,400	19,000

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