



North Carolina Department of Environmental Quality

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION

PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

Atlantic All-Pro Septic Tank Services Inc.
Linda Melville
2032 Belgrade – Swansboro Road
Maysville, NC 28555

is hereby permitted to operate Septage Land Application Site with permit # **SLAS-67-05** located on SR 1434 in Onslow County at approximate position 34.81839° N latitude and -77.22056° E 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

4/11/2016

A handwritten signature in blue ink, appearing to read 'Martin A. Gallagher'.

Martin A. Gallagher, Supervisor
Composting & Land Application Branch,
Solid Waste Section
Division of Waste Management, NCDEQ

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 This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Linda Melville and approved by the Division of Waste Management. The 70.2 – acre is divided into eight (8) fields. Field 1 (4.8 acres), Field 2 (14 acres), Field 3 (1.8 acres), Field 3a (4.8 acres) and Field 4 (20.7 acres) are considered to be active and have been established in Coastal bermudagrass. Field 5 (7.1 acres), Field 6 (6.6 acres) and Field 7 (10.4 acres) are considered to be inactive and require Division approval prior to use. The bermudagrass in Fields 1, 2, 3, 3a, and 4 shall be overseeded with annual ryegrass between September 15 and November 15 of each year. Areas where the bermudagrass stand falls below 80% in coverage shall be resprigged. The mandatory 30-day waiting period between the last application of septage and the crop harvest shall be met by alternating septage applications, the waiting period, and crop harvests among the five (5) active 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 Linda Melville in such a manner as to prevent the migration of wastes off of the designated waste receiving site. A buffer of bermudagrass and ryegrass shall be maintained around the perimeter of each field. 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 (including portable toilet waste), and grease septage.** The pH of domestic septage 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. The pH of grease septage or grease septage mixed with domestic septage shall be raised to 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. Grease septage shall be diluted as required by 15A NCAC 13B .0838(a)(15) when applied over perennial vegetation.
7. **This site contains approximately 70.2 acres that are available for land application of septage. Of the 70.2 acres, only 46.1 acres (Fields 1, 2, 3, 3a, and 4) are considered active and approved for septage applications. The maximum annual application rate shall be 50,000 gal/ac/yr with the exception of calendar year 2016. See table below for maximum annual application amounts per active field. Approval of inactive Fields 5, 6, and 7 would add approximately 1,205,000 gallons to the maximum annual application amount for the site. Application amounts to each disposal field shall not exceed the maximum annual application amounts listed in the below or the monthly application rates listed in the approved nutrient management plan. The maximum annual application rate assumes equal septage distribution, on an annual basis, over the entire permitted area.**

Maximum Annual Application Amounts (gallons) Per Field						
Field	1	2	3	3a	4	SITE TOTAL
Crop	Bermudagrass / Ryegrass (overseed)					
Acres	4.8	14.0	1.8	4.8	20.7	46.1
2016^a	240,000	652,100	90,000	240,000	892,850	2,114,950
2017^b	240,000	700,000	90,000	240,000	1,035,000	2,305,000

^a Application amounts reduced by 47,900 gallons for Field 2 and 142,150 gallons for Field 4 for application overages in 2015.

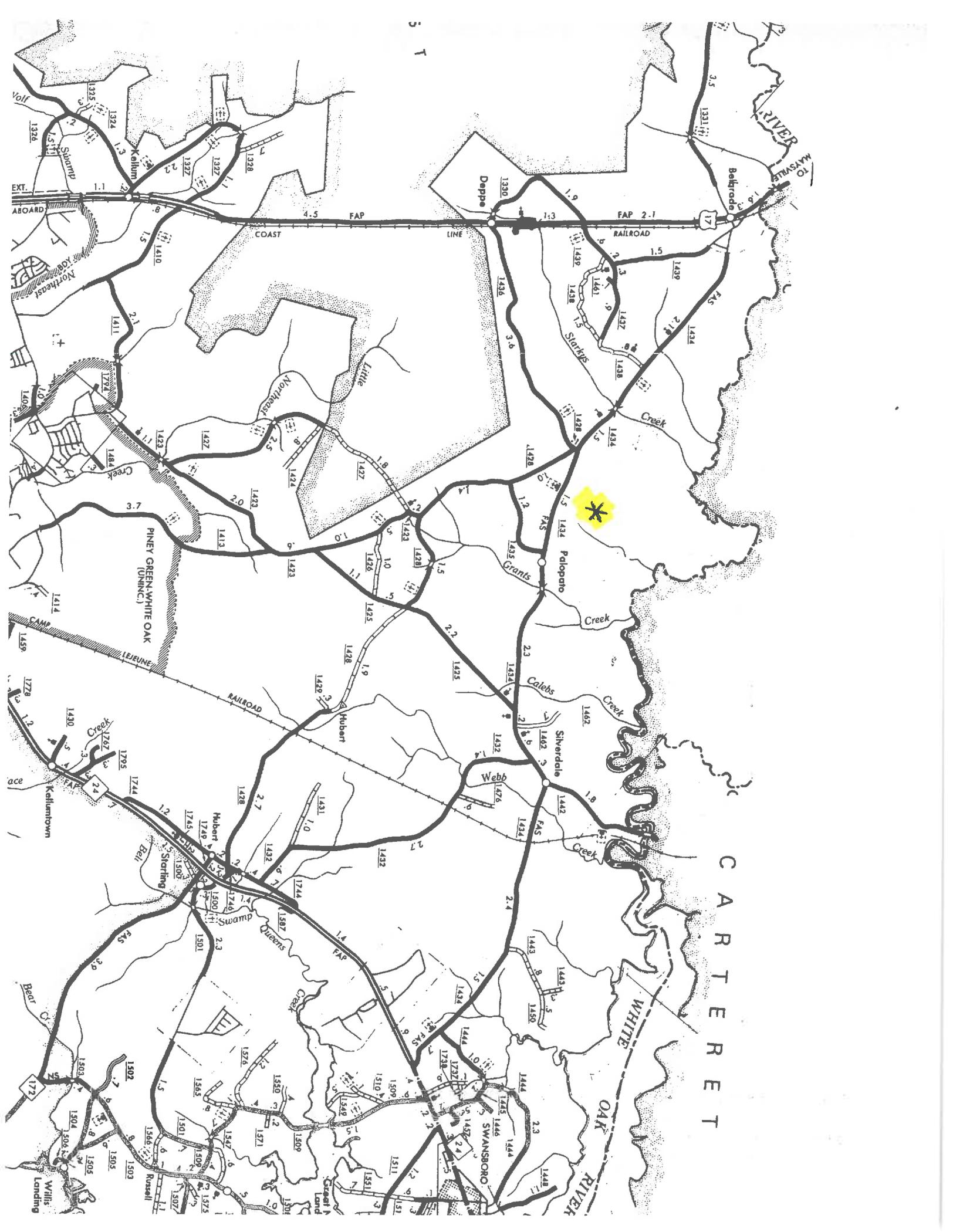
^b Application amounts based on the maximum annual application rate of 50,000 gal/ac/yr.

8. An approved septage detention facility with a minimum design capacity for the active fields of 44,000 gallons shall be available prior to operation of this site as per 15A NCAC 13B .0841(a) 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 inadequate.

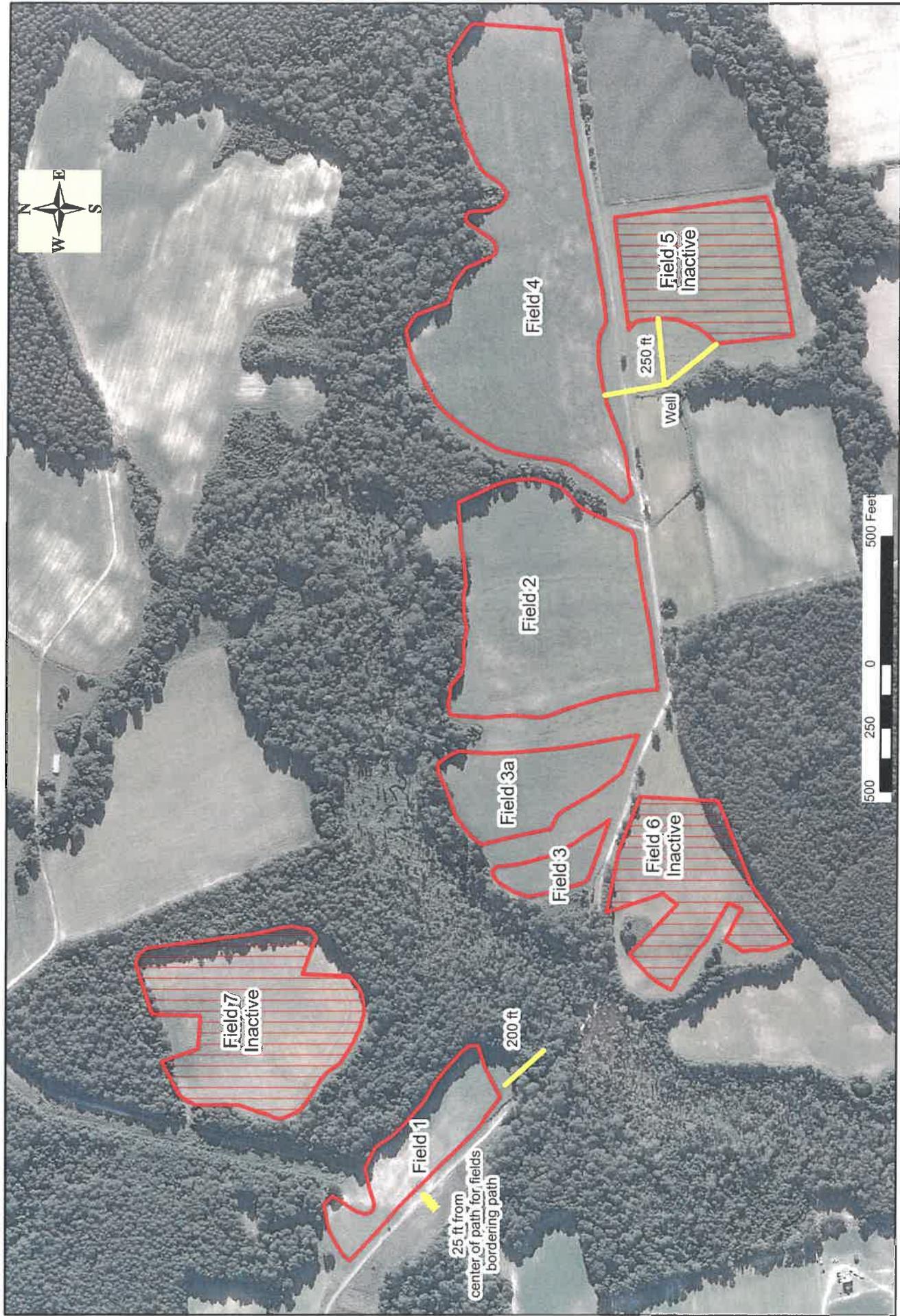
9. Only the area designated on the attached site map shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner that there is no standing water when the discharge is complete.
10. Septage shall not be applied during 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 January 1, 2017.** An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date. When necessary, an application for permit modification shall be submitted for any proposed change listed in 15A NCAC 13B .0835(h). Along with the application for permit renewal or modification, the prescribed information listed in 15A NCAC 13B .0835(c) through (i) and the septage application records for the period of time this permit was valid shall be submitted.
16. Records shall be kept in accordance with 15A NCAC 13B .0838(e)(1) and the Code of Federal Regulations, 40 CFR Part 503.17(b) to document all septage applications to the site. 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 to meet the minimum setback distances as described in 15A NCAC 13B .0837(d) such as 500 feet from any existing wells (unless a perennial forage buffer is established), residences, places of business, or places of public assembly. **Also, septage shall not be disposed of within 10 feet of the woods bordering each field, within 25 feet of any paths, within 50 feet of any property line, within 100 feet of any ditch, or within 200 feet of any surface water unless specified otherwise.**
20. **Fields 5, 6, and 7 are considered inactive until further notice. Each field shall be inspected by the Division for compliance with Septage Management Rules, conditions of this permit, and the approved nutrient management plan. Approval must be granted prior to use. Please notify the Division at least two (2) weeks prior to when you wish to reopen a field or fields. The field or fields must be included in the approved nutrient management plan.**



SLAS-67-05



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



Waste Management
ENVIRONMENTAL QUALITY

PAT MCCRORY
Governor

DONALD R. VAN DER VAART
Secretary

MICHAEL SCOTT
Acting Director

April 18, 2016

Ms. Linda Melville
Atlantic All-Pro Septic Tank Services Inc.
2032 Belgrade – Swansboro Road
Maysville, NC 28555

**RE: SLAS-67-05 Permit Renewal
Atlantic All-Pro Septic Tank Services Inc.
SR 1434 in Onslow County**

Dear Ms. Melville:

The NC Division of Waste Management has reviewed your application to renew the operation of Septage Land Application Site, **Permit # SLAS-67-05**, in Onslow County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SLAS-67-05**, is enclosed.

Please read all permit conditions carefully. Your nutrient management and soil erosion and runoff control plans you submitted have been included in your permit's conditions. The maximum annual application amounts to Fields 2 and 4 are reduced for 2016 due to septage overapplications to those fields. **Permit Condition 7** lists the maximum annual application amounts to each field from 2016 through 2017. Do not exceed the amounts listed in the enclosed permit or the monthly application rates listed in your nutrient management plan. Also, **Permit Condition 20** states that Fields 5, 6, and 7 are considered inactive until further noticed and shall not be used for septage disposal until approval has been granted by the Division.

Again, it is important to read all permit conditions carefully. The enclosed permit shall expire on **January 1, 2017**. Violations to NC Septage Management Rules or this permit could subject you to administrative penalties of up to \$15,000 per violation per day. If you have any questions concerning your permit or septage in general, please do not hesitate to contact me at (919) 707-8283. When communicating to the Division about this permit, please refer to it as "**SLAS-67-05**"

Sincerely,

A handwritten signature in blue ink that reads 'Chester R. Cobb'.

Chester R. Cobb, Soil Scientist
Division of Waste Management, NCDEQ

Enclosures

cc: Central Files
John B. Melville, Jr., Anthony S. Melville, Landowners
Onslow County Health Department

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APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646

I. Site and Operator Information

1. Applicant Atlantic All-Pro Septic Tank Ser. Inc.
Address 2032 Bel-Swans Rd.
Mayville, NC 28555
Phone (910) 743-2266 910 330-3053

2. Contact person for site operation (if different from applicant): Scott Melville
Title or position _____ Phone 346-3995
Address 2032 Bel-Swans Rd.
Mayville, NC 28555

3. Landowner Linda Melville & Anthony Melville
Address 2032 Bel-Swans Rd.
Mayville, NC 28555

4. Site Location: County Onslow State Road Number 1434
Directions to site: 4 miles SE on 1434 from Hwy 17
@ Belgrade near Mayville, NC 28555 at Box # 2018
just past 2032 Bel-Swans Rd.

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

For a permit renewal or modification, provide the following information:
Existing site permit number: 6705 permit expiration date: Jan. 2015

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 47.3 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) on file



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): STDF 6705

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 none

5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Domestic Septage to be lined stabilized by addition of 50 lbs lime per 1000 gal or more lime to raise pH up to greater than 12 for 30 minutes or more prior to applying septage from tanks or trucks; grease 2 hrs. (See Attachment)

6. Proposed method of applying septage to land, including septage distribution plan if required *(use additional paper to explain if necessary): Septage will be applied from a moving truck tank under pressure using spreader head to cover 20ft wide pattern so no liquids is standing or soil disturbance is found at end of discharge.

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 Application fields have been used for row crops or pasture lands for agricultural purposes in the last 50 or more years.

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.

Linda Melville
Signature***

12/1/15
Date

Linda Melville
Print name

Atlantic All Pro
Title
Septic Tank Service
Inc. / President

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.

5. Continued

Grease trap pumpings to be diluted with septic tank seepage at a one to one Ratio. Addition of Hydrated Lime at minimum 50 lbs per 1000 gallons to bring pH up to 12 or greater for 2 hour period prior to Land application.

Portable toilet seepage to be treated same as domestic seepage prior and during Land application.

6. Continued

Alternating applications between fields according to Nutrient Management Plan. During harvest periods no grass is to be cut within 30 days of last application of seepage.

Not more than 25,000 gal of Grease Trap ^{waste} is to be applied per Acre.



Landowner's Authorization to Operate a Septage Land Application Site

North Carolina Department of Environmental Quality
Division of Waste Management - Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646

I, John B. Melville, Anthony S. Melville, Linda M. Melville (name of site owner) hereby certify that I am the owner of

200 acres of land located on Belgrade-Swansboro Rd.

identified by Book 1280 pg. 700-704 (book and page of recorded deed or tax map parcel) and that I agree to allow Scott Melville/Linda Melville (site operator name) to use said land for

septage land application for a period of 1yr. (length of time), beginning 1-1-2016 (give date) 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 John B. Melville, Anthony S. Melville & Linda Melville (names of all co-owners, or state none).

Signature of landowner John B. Melville Date 3/7/2016

Signature of landowner Linda M. Melville Date 3/7/2016

Signature of landowner Scott Melville Date 3/7/2016

Sworn to and subscribed before me this 7 day of March, 2016.

Janet P. Simeone (Notary Public)

My Commission expires Feb 13 2017

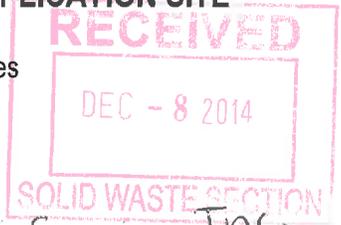
(OFFICIAL SEAL)

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

** As required by Rule .0843

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 Atlantic All-Pro Septic Tank Service Inc.
Address 2032 Belgrade-Swansboro Road
Maysville, NC 28555
Phone (910) 743-2266

2. Contact person for site operation (if different from applicant): Scott Melville
Title or position _____ Phone 346-3995
Address 2032 Belgrade-Swansboro Road
Maysville, NC 28555

3. Landowner John B. Melville, Linda Melville & Anthony S. Melville
Address 2032 Belgrade-Swansboro Rd.
Maysville, NC 28555

4. Site Location: County Dorchester State Road Number 1434
Directions to site: 4 miles SE on 1434 from Hwy 17
@ Belgrade near Maysville NC 28555 at Box # 2018 just past
2032 Bel-Swans Rd.

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

For a permit renewal or modification, provide the following information:
Existing site permit number: 6705 permit expiration date: Jan. 2014

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 47.3 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) on file

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): STDF 6705

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- (a) Domestic septage pumped from septic tanks
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- (d) Commercial / Industrial septage none

5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Domestic Septage to be lime stabilized by addition of 50 lbs lime per 1000 gal or more lime to raise pH up to greater than 12 for 30 minutes or more prior to applying septage from tanks or trucks; grease & hrs. (See Attachment)

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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 Application fields have been used for row crops or pasture lands for agricultural purposes for the last 50 or more years.

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.

Linda Melville
Signature***

12/5/14
Date

Linda Melville
Print name

Atlantic All Pro Septic Tank Serv. Inc. Title President

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.

Site Management Info.

5. Continued

Grease trap Pumpings to be diluted with septic tank seepage at a one to one Ratio. Addition of Hydrated Lime at minimum 50 lbs per 1000 gallons to bring pH up to 12 or greater for 2 hour period prior to Land Application.

Portable toilet Seepage to be treated same as domestic seepage prior and during Land Application.

6. Continued

Alternating Applications between fields according to Nutrient Management plan. During Harvest periods no grass is to be cut within 30 days of last Application of Seepage.

Not more than 25,000 gal of Grease Trap ^{waste} to be Applied per Acre.

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, John B. melville
Anthony S. melville
Linda M. melville (name of site owner) hereby certify that I am the owner of

200 acres of land located on Belgrade - Swansboro Road

and identified by BOOK 1280 pg 700-704
BOOK 1351 pg 843-847 (book and page of recorded deed

or tax map parcel) and that I agree to allow Scott melville / Linda melville (name of site

operator) to use said land for septage land application for a period of 1 year (length

of time), beginning 1-1-2015 (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 John B. melville, Anthony
Scott melville

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

Signature of landowner John B. Melville Date Dec 2 - 2014

Signature of landowner Anthony Scott Melville Date 12-2-2014
Linda M. Melville Date 12-2-2014

Sworn to and subscribed before me this 2 day of Dec, 20 14.

Janet R. Suresno
(Notary Public)

(OFFICIAL SEAL)

My Commission expires: Feb 13 2017

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

** As required by Rule .0843

**Atlantic All Pro Septic Tank Service Inc.
Nutrient Management, Erosion and Runoff Plan
Amended and Revised Permit # 6705
December 1, 2014**

**Linda Melville
2032 Belgrade-Swansboro Road
Maysville, NC 28555
(910) 330-3053**



Septage Application to Bermuda grass and Rye Grass

A. Best Management Practices

The undersigned parties agree to manage the septage disposal site that is located in Onslow County, east of SR 1434 between the communities of Belgrade and Silverdale, according to the following best management practices. This list of practices has been specifically designed for land application of septage by Atlantic All-Pro Septic Tank Service Inc.

1. The application fields contain approximately 47.3 acres of usable disposal Area. Field #1 2.5 acres Field # 1 A 2.5 acres, Autryville loamy fine sand with very little slope (less than 2%). Field #2 approximately 7.5 acres usable disposal area. Field #2A 7.5 acres, Autryville loamy fine sand with very little slope (less than 2%). Field #3 contains two application areas spilt by a field drain. One area containing 4.8 acres and the other contains 1.8 acres; this field has a 50' buffer and roadway. This area has been seeded with a coastal Bermuda grass variety and is ready for septage application. Field #4 contains 20.7 acres of application area, with a 250' buffer set back from well. Fields 5, 6 and 7 are on an inactive status at this time.
2. Septage will not be applied where the site is untrafficable. Untrafficable is defined as soil that will allow a loaded truck to leave a depression in sod greater than 3 inches in depth.
3. Septage storage shall be provided to account for the average volume of Septage pumped per week.

B. Crops to be Grown and Approximate Planting

1. Application fields including buffer zones, will be maintained in coastal Bermuda Grass. Soil PH should be maintained between 5.0-5.5. Each year thereafter, each field will be over seeded with annual ryegrass at the rate of approximately 30 pounds/acre (broadcast) during the time frame of Sept. 15 – Nov. 15.
2. During the winter and spring 2015, Bermuda Grass will be sprigged at the rate of 12 bushels per acre or seeded as necessary.

C. Nitrogen needs for the Crops Grown:

R.Y.E. = Realistic Yield Expectations

N APP. Rate = Suggested N Application Rate Based on R.Y.E. for Soil Type.

Crop (Cut for Hay) R.Y.E. N App. Rate LBS N/AC

Coastal Bermuda Grass

6.0 Tons/Acre X 40 Lbs N/Dry Ton = 240.0

Annual Ryegrass

2.5 Tons/Acre X 25 Lbs N/Dry Ton = 62.5

Total Nitrogen/AC = 302.5

D. Relative Application Rate For Field:

Field	#1	#1A	#2	#2A	#3	#4
Jan	Low	Low	Low	Low	Low	Low
Feb	Low	Low	Low	Low	Low	Low
March	Low	Low	Low	Low	Low	Low
April	Medium	Medium	Medium	Medium	Medium	Medium
May	Medium	Medium	Medium	Medium	Medium	Medium
June	High	High	High	High	High	High
July	High	High	High	High	High	High
August	High	High	High	High	High	High
September	Medium	Medium	Medium	Medium	Medium	Medium
October	Medium	Medium	Medium	Medium	Medium	Medium
November	Low	Low	Low	Low	Low	Low
December	Low	Low	Low	Low	Low	Low

Low =5,000 gallons: Medium=10,000 Gallons: High=15,000 gallons
Note: Cumulative Application Rate is not to exceed the permitted Application Rate.

E. Application Method:

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

F. Additional Fertility Requirements:

N-P-K will be added to the land application area to maintain fertility levels, which will be based on the soil test results from NCDA.

G. Harvest of the Crop:

1. The Bermuda Grass will be cut as hay, baled, and removed whenever it reaches approximately 12 inches in height, or roughly every 4 to 6 weeks beginning in June. Approximately three or four harvest can be expected.

2. The rye grass will be cut as hay and baled March and April from all Applications fields.
3. A 30-day waiting period will be observed between the last application of Septage and harvest. Beginning about the first of March each year, septage will be applied strictly to ½ of the acreage of applications area while ½ of the rye is undisturbed for 30 days. After 30 days the rye fields receiving no pass 30-day application of septage will be harvested and septage application then switched to those fields. After an additional 30 days the second half of the rye crop having no septage applied within past 30 days. Late April/ early May, will be harvested. By early May, a rotation is established which can cycle every 30 to 45 days between the Bermuda Grass harvest. By the end of October, rye will have been planted and all sites will be available for septage application until the end of February the following year.
4. Hay will not be harvested with 30 days of septage application.

Soil Erosion and Runoff Control Plan

Given that the slopes on these sites do not exceed three percent, on a group I & II soil. A 10-foot grass buffer around the woods is to be provided on all fields and 25-foot buffer on road paths. A 50-foot buffer is provided from property lines. These buffers will be planted with Bermuda Grass/Rye Grass and should suffice to prevent septage from migrating off the field. Also setback areas on wooded sides will remain forested litter cover.

No septage will be applied within 50' of any ditch even with continuous grasses to ditch. All setbacks from stream and wetlands will be according to 15 NCAC 13 B. 0821(4)(D).

Submitted by: _____ Date: _____

Prepared by: _____ Date: _____

Office _____

Address: _____

Phone: _____

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 Atlantic All-Pro Septic Tank Service Inc.
Address 2032 Belgrade - Swansboro Road
Maysville, NC 28555
Phone (910) 743-2266

2. Contact person for site operation (if different from applicant): Scott Melville
Title or position _____ Phone 346-3995
Address 2032 Belgrade - Swansboro Road
Maysville, NC 28555

3. Landowner John B. Melville, Linda Melville & Anthony S. Melville
Address 2032 Belgrade - Swansboro Road
Maysville, NC 28555

4. Site Location: County Onslow State Road Number 1434
Directions to site: 4 miles SE on 1434 from Hwy 17
@ Belgrade near Maysville, NC 28555 at Box 2018
Just past 2032

5. Indicate whether request is: new _____ renewal modification

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

Existing site permit number: 6705 permit expiration date: Jan. 2013

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 47.3 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)

on file

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): STDF 6705

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 none

5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): Domestic Septage to be lime stabilized by addition of 50 lbs lime per 1000 gal or more lime to raise ph up to greater than 12 for 30 minutes or more prior to applying septage from tanks or trucks; grease 2 hrs. (see Attachment)

6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Septage will be applied from a moving truck tank under pressure using a spreader head to cover a 20 ft wide pattern so no liquid is standing or soil disturbance is found at end of discharge.

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 application fields have been used for row crops or pasture lands for agricultural purposes for the last 50 or more years.

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.

Linda Melville
Signature***

Linda Melville
Print name

11/30/13
Date

Atlantic All-Pro Septic Tank Service, Inc.
Title President

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.

Site Management Info.

5. Continued

Grease trap Pumpings to be defused with septic tank seepage at a one to one Ratio. Addition of Hydrated Lime at minimum 50 lbs per 1000 gallons to bring pH up to 12 or greater for 2 hour period prior to Land Application.

Portable toilet Seepage to be treated same as domestic seepage prior and during Land Application.

6. Continued

Alternating Applications between fields according to Nutrient Management Plan. During Harvest periods no grass is to be cut within 30 days of last application of Seepage.

Not more than 25,000 gal of Grease Trap ^{waste} to be applied per Acre.

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, John B. Melville
Anthony S. Melville
Linda M. Melville (name of site owner) hereby certify that I am the owner of

200 acres of land located on Belgrade-Swanbro Road
Book 1280 Pg 700-704
and identified by Book 1351 pp. 843-847 (book and page of recorded deed

or tax map parcel) and that I agree to allow Linda Melville / Swatt Melville (name of site operator) to use said land for septage land application for a period of 3 yrs. (length of time), beginning 1-1-2014 (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 John B. Melville & Anthony S. Melville

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

Signature of landowner J.B. Melville Date Nov-16-13

Signature of landowner Linda M. Melville Date Nov-16-13

Sworn to and subscribed before me this 16 day of NOV, 20 13.

Jamet R. Simeone
(Notary Public)

My Commission expires: Feb 13-2017

(OFFICIAL SEAL)

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

** As required by Rule .0843

**Atlantic All Pro Septic Tank Service Inc.
Nutrient Management, Erosion and Runoff Plan
Amended and Revised Permit # 6705
November 29, 2013**

**Linda Melville
2032 Belgrade-Swansboro Road
Maysville, NC 28555
(910) 330-3053**



Septage Application to Bermuda grass and Rye Grass

A. Best Management Practices

The undersigned parties agree to manage the septage disposal site that is located in Onslow County, east of SR 1434 between the communities of Belgrade and Silverdale, according to the following best management practices. This list of practices has been specifically designed for land application of septage by Atlantic All-Pro Septic Tank Service Inc.

1. The application fields contain approximately 47.3 acres of usable disposal Area. Field #1 2.5 acres Field # 1 A 2.5 acres, Autryville loamy fine sand with very little slope (less than 2%). Field #2 approximately 7.5 acres usable disposal area. Field #2A 7.5 acres, Autryville loamy fine sand with very little slope (less than 2%). Field #3 contains two application areas spilt by a field drain. One area containing 4.8 acres and the other contains 1.8 acres; this field has a 50' buffer and roadway. This area has been seeded with a coastal Bermuda grass variety and is ready for septage application. Field #4 contains 20.7 acres of application area, with a 250' buffer set back from the well. Fields 5, 6 and 7 are on an inactive status at this time.
2. Septage will not be applied where the site is untrafficable. Untrafficable is defined as soil that will allow a loaded truck to leave a depression in sod greater than 3 inches in depth.
3. Septage storage shall be provided to account for the average volume of Septage pumped per week.

B. Crops to be Grown and Approximate Planting

1. Application fields including buffer zones, will be maintained in coastal Bermuda Grass. Soil PH should be maintained between 5.0-5.5. Each year thereafter, each field will be over seeded with annual ryegrass at the rate of approximately 30 pounds/acre (broadcast) during the time frame of Sept. 15 – Nov. 15.
2. During the winter and spring, Bermuda Grass will be sprigged at the rate of 12 bushels per acre or seeded as necessary.

C. Nitrogen needs for the Crops Grown:

R.Y.E. = Realistic Yield Expectations

N APP. Rate = Suggested N Application Rate Based on R.Y.E. for Soil Type.

Crop (Cut for Hay) R.Y.E. N App. Rate LBS N/AC

Coastal Bermuda Grass

6.0 Tons/Acre X 40 Lbs N/Dry Ton = 240.0

Annual Ryegrass

2.5 Tons/Acre X 25 Lbs N/Dry Ton = 62.5

Total Nitrogen/AC = 302.5

D. Relative Application Rate For Field:

Field	#1	#1A	#2	#2A	#3	#4
Jan	Low	Low	Low	Low	Low	Low
Feb	Low	Low	Low	Low	Low	Low
March	Low	Low	Low	Low	Low	Low
April	Medium	Medium	Medium	Medium	Medium	Medium
May	Medium	Medium	Medium	Medium	Medium	Medium
June	High	High	High	High	High	High
July	High	High	High	High	High	High
August	High	High	High	High	High	High
September	Medium	Medium	Medium	Medium	Medium	Medium
October	Medium	Medium	Medium	Medium	Medium	Medium
November	Low	Low	Low	Low	Low	Low
December	Low	Low	Low	Low	Low	Low

Low =5,000 gallons: Medium=10,000 Gallons: High=15,000 gallons
Note: Cumulative Application Rate is not to exceed the permitted Application Rate.

E. Application Method:

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

F. Additional Fertility Requirements:

N-P-K will be added to the land application area to maintain fertility levels, which will be based on the soil test results from NCDA.

G. Harvest of the Crop:

1. The Bermuda Grass will be cut as hay, baled, and removed whenever it Reaches approximately 12 inches in height, or roughly every 4 to 6 weeks beginning in June. Approximately three or four harvest can be expected.

2. The rye grass will be cut as hay and baled March and April from all Applications fields.
3. A 30-day waiting period will be observed between the last application of Septage and harvest. Beginning about the first of March each year, septage will be applied strictly to ½ of the acreage of applications area while ½ of the rye is undisturbed for 30 days. After 30 days the rye fields receiving no pass 30-day application of septage will be harvested and septage application then switched to those fields. After an additional 30 days the second half of the rye crop having no septage applied within past 30 days. Late April/ early May, will be harvested. By early May, a rotation is established which can cycle every 30 to 45 days between the Bermuda Grass harvest. By the end of October, rye will have been planted and all sites will be available for septage application until the end of February the following year.
4. Hay will not be harvested with 30 days of septage application.

Soil Erosion and Runoff Control Plan

Given that the slopes on these sites do not exceed three percent, on a group I & II soil. A 10-foot grass buffer around the woods is to be provided on all fields and 25-foot buffer on road paths. A 50-foot buffer is provided from property lines. These buffers will be planted with Bermuda Grass/Rye Grass and should suffice to prevent septage from migrating off the field. Also setback areas on wooded sides will remain forested litter cover.

No septage will be applied within 50' of any ditch even with continuous grasses to ditch. All setbacks from stream and wetlands will be according to 15 NCAC 13 B. 0821(4)(D).

Submitted by: _____ Date: _____

Prepared by: _____ Date: _____

Office

Address: _____

Phone: _____



2. The rye grass will be cut as hay and baled March and April from all Applications fields.
3. A 30-day waiting period will be observed between the last application of Septage and harvest. Beginning about the first of March each year, septage will be applied strictly to 1/2 of the acreage of applications area while 1/2 of the rye is undisturbed for 30 days. After 30 days the rye fields receiving no pass 30-day application of septage will be harvested and septage application then switched to those fields. After an additional 30 days the second half of the rye crop having no septage applied within past 30 days. Late April/ early May, will be harvested. By early May, a rotation is established which can cycle every 30 to 45 days between the Bermuda Grass harvest. By the end of October, rye will have been planted and all sites will be available for septage application until the end of February the following year.
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Soil Erosion and Runoff Control Plan

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No septage will be applied within 50' of any ditch even with continuous grasses to ditch. All setbacks from stream and wetlands will be according to 15 NCAC 13 B. 0821(4)(D).

Submitted by: Lidi Melcher Date: 11/30/13
Prepared by: Lidi Melcher Date: _____
Office _____
Address: 2032 Belgrade - Swansboro Rd.
Maysville, NC 28555
Phone: (910) 330-3053

SEPTAGE LAND APPLICATION LOG COVER SHEET

Site Operator: Scott Melville / Linda Melville

SLAS Permit #: 6705

Site Location: 2032 Belgrade-Swansboro Road
MAYSVILLE, NC 28555
(street address for the site or latitude and longitude)

Number of acres permitted: 47.3

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

Crop(s): Coastal Bermuda / Rye grass

Crop nitrogen requirement(s): 2.5 tons / Acre x 25 lbs total =
(pounds nitrogen per acre) 302.5

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."

Linda Melville
(signature)

11/30/13
(date)



SEPTAGE LAND APPLICATION LOG

CERTIFICATION

Site Operator: Scott Melville / Linda Melville
SLAS Permit #: 16705
Site Location: 2032 Belgrade - Swansboro Road
Maysville, NC 28557 (street address for the site or latitude and longitude)
Number of acres permitted: 47.3
Permitted application rate: 50,000
(gallons septage per acre per year)
Crop(s): Coastal Bermuda / Kye Grass
Crop nitrogen requirement(s): 2.5 Tons/Acre x 25 lbs total
(pounds nitrogen per acre) 302.5

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."

Linda Melville
(signature)

12/5/14
(date)

SEPTAGE LAND APPLICATION LOG

CERTIFICATION

Site Operator: Scott Melville
SLAS Permit #: 6705
Site Location: 2032 Bel-Swans. Rd. Maysville, NC
(street address for the site or latitude and longitude) 28111
Number of acres permitted: 47.3
Permitted application rate: 50,500
(gallons septage per acre per year)
Crop(s): Coastal Bermuda / Rye Grass
Crop nitrogen requirement(s): 2.5 Tms / Acre x 25 lbs total
(pounds nitrogen per acre) 302.5

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Scott Melville
(signature)

12/1/15
(date)