



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

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

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

A Paul's Septic Tank Service
Dale Jones
31149 Hill Creek Road
Wagram, NC 28396

is hereby permitted to operate Septage Land Application Site with permit # **SLAS-83-03** located on SR#1400 in Scotland County at approximate position 34.98521° N latitude and -79.39925° 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

8/28/2014

Martin A. Gallagher, Branch Head
Composting & Land Application Branch

CONDITIONS OF OPERATING PERMIT

1. This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Dale Jones and approved by the Division of Waste Management. The site is a pine tree site that contains approximately 7.8 acres. The mandatory 30-day waiting period between the last application of septage and the harvest of a crop (such as pine straw) shall be maintained. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan. **This land application site is currently inactive per the request of Dale Jones (extensive timbering has occurred). No land application may occur until a new crop is adequately established and the Division has inspected the site and found it to be in compliance with all permit conditions and the nutrient management plan.**
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Dale Jones 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 two hours prior to land application.
7. **This site contains approximately 7.8 acres that are available for land application of septage.** The maximum annual application rate for a pine tree site shall be 25,000 gallons per acre per year. At this application rate, a maximum annual volume of 195,000 gallons may be applied to this site. 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 application rates as listed in the approved nutrient management plan for the site.
8. An approved above ground septage detention system with a minimum design capacity of 3,750 gallons shall be available prior to operation of this site unless an approved wastewater treatment plant is available for use during periods of adverse weather. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.
9. Only the area designated on the attached site map(s) shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner that there is no standing water when the discharge is complete.
10. Septage shall not be applied during any precipitation event, or if there is standing water on the soil surface, if the soil surface is frozen, or if the soil surface is snow covered. The Permittee shall consider pending weather conditions when making the decision to land apply in order to prevent any discharge of septage outside of the permitted boundary.
11. Septage shall not be applied during periods of high soil moisture. Septage applications that will result in ruts greater than three inches in the soil surface are prohibited.
12. Any discharge of septage outside of the permitted boundaries via runoff, aerial drift, etc. is prohibited.

13. This permit shall become voidable unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the Permittee or an employee of the firm named in this permit shall discharge septage at this site without prior appropriate notification and written approval from the Division.
14. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure. This permit is non-transferable.
15. **This permit shall expire on January 20, 2019.** 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 to meet the minimum setback distances as described in NC Septage Management Rule 15A NCAC 13B .0837(d) such as 500 feet from any existing wells, residences, places of business, or places of public assembly. Also, septage shall not be disposed of within 50 feet of any property line, within 100 feet of any ditch or within 200 feet of any surface water unless specified otherwise.



North Carolina Department of Environment and Natural Resources

Pat McCrory
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August 28, 2014

Mr. Dale Jones
A Paul's Septic Tank Service
31149 Hill Creek Road
Wagram, NC 28396

**RE: SLAS permit renewal
A Paul's Septic Tank Service
SLAS-83-03
SR#1400 in Scotland County**

Dear Mr. Jones:

The NC Division of Waste Management has reviewed your renewal application for a Septage Land Application Site permit in Scotland County. Your application has been approved and your permit, # **SLAS-83-03**, is enclosed. If you have any questions about your permit, we'll need the number in order to answer your questions. **This site is currently inactive as noted in Permit Condition 2.**

Please read all of your permit conditions carefully. Your nutrient management and soil erosion and runoff control plans have been included in your permit's conditions. In particular, review Permit Condition 15, which states that you will need to submit septage application logs for your site in order to renew your permit. These logs need to cover the entire time your current permit is valid. For details on the information you should include, consult the NC Septage Management Rule 15A NCAC 13B .0838(e)(1) and the Federal register's 40CFR Part 503.17(b). This permit condition also states that this permit is valid until **January 20, 2019**. If you have any questions, please ask for assistance as rule violations could expose you to administrative penalties.

Please note that to land apply industrial or commercial septage at a permitted septage disposal site you must have **prior approval** from the NC Division of Waste Management. The waste must be sampled prior to being removed from the system. Generally, the Division will request that you have a waste analysis run on septage from each commercial or industrial septage generator before that type of septage is approved for land application.

Use of a land application site or septage detention or treatment facility that is not permitted may result in administrative penalties up to \$15,000 per violation in accordance with NC General Statute 130A-22.

If you have any questions, please contact me at (910) 433-3352 or Martin Gallagher at (919) 707-8280.

Sincerely,

Connie S. Wylie, Soil Scientist
Division of Waste Management, NCDENR

Enclosures

cc: Connie Jones, landowner
Scotland County Health Department

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1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-707-8200 \ Internet: <http://portal.ncdenr.org/web/wm>

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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 A Paul's Septic Tank Service
Address 31149 Hillcreek Rd
Wagon, NC 28394
Phone 910-281-5869 or 315-4199
5895

2. Contact person for site operation (if different from applicant):
Title or position Dale W. Jones (owner) Phone 910-315-4199
Address 31149 Hillcreek Rd
Wagon, NC 28394

3. Landowner
Address 31149 Hillcreek Rd
Wagon, NC 28394

4. Site Location: County Scotland State Road Number 1400
Directions to site: From Aberdeen, NC take Hwy 501 to State Road 1322
Go about 4 miles just past Brook house on left. Turn left on dirt
Road 3. House on left.

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

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

Existing site permit number: _____ permit expiration date: _____

3/26/14

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 17.8 acres.

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

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

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

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

(over)

II. Site Management Information:

The following information shall be included with the application form:

1. Nutrient Management Plan
2. Soil Erosion and Runoff Control Plan
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): Mear County Scotland County 26-03
WPC 20085P-12
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): Lime stabilize. add enough hydrated lime raise the PH 12 for domestic to hold PH 12 for 2 hours for grease hold at PH 12 for 2 hours to land applied what will be at PH 12 for land application to occur
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Spray from back Truck moving from one side
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): This site is in compliance with the Endangered species law

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.

Dale Jones
Signature***

12-19-13
Date

Dale Jones
Print name

12-19-13
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.

RECEIVED

JUN 11 2014

DENR-FAYETTEVILLE REGIONAL OFFICE

Septage Land Application Site permit #SLAS 83-03 has been extensively timbered due to a pest infestation. Because of the tree loss this site has been inactive since 2 Feb, 2014 and will remain so at this time. I will notify the Solid Waste Section of any plans to change this status.

Dale Jones

Dale Jones

6-5-14

Date

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, Dale Jones (name of site owner) hereby certify that I am the owner of

7.8 acres of land located Scotland County

and identified by Book 1181 page 95 (book and page of recorded deed

or tax map parcel) and that I agree to allow APaul's Septage Service (name of site

operator) to use said land for septage land application for a period of 5 years (length

of time), beginning 1-20-14 (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 Coronnie H Jones

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

Signature of landowner Dale W Jones Date 1-15-14

Signature of landowner Coronnie H Jones Date 1-15-14

Sworn to and subscribed before me this 20th day of January, 20 14.

Carrie C. Berry, Carol C. Berry
(Notary Public)

(OFFICIAL SEAL)

My Commission expires: Oct. 10, 2017

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

** As required by Rule .0843

Nutrient Management Plan For

A Paul's Septic Tank Service
31147 Hill Creek Road
Wagram, NC 28396
910-281-5895

A. General Information

7.8

1. Field has approximately ~~X~~ acres available for septage application.
2. The dominate soil series at the site is Autryville sand.
3. 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 the soil greater than 3 inches in depth.
4. All nitrogen recommendations are based on NC State University Nutrient Management Planning Manual, page 75 of the Reference Section.
5. Septage storage shall be provided to account for the average volume of septage pumped per week. Septage can be disposed at a waste treatment plant if conditions at the site do not allow application.

B. Crops to be Grown and Appropriate Planting Dates

1. Septage will be applied to the existing longleaf pine tree stand. The predominate tree species is Longleaf Pine with a few scattered Loblolly pines. There is an average of 545 trees per acre, that are approximately 15 years old. As the stand has canopied, the under story is controlled by shading, and herbicides as needed. There are a few scattered hardwood trees on the site that will be removed. An annual soil test by the NCDA Agronomic lab will be taken to monitor soil pH, nutrients and heavy metals in the pine stand.

mowing shall be utilized as an additional weed control measure
OWS

C. Nitrogen Needs of the Crops

(Note: A MAXIMUM OF 50,000 GALLONS OF SEPTAGE IS PERMITTED PER ACRE PER YEAR IF NITROGEN CONCENTRATION IN SEPTAGE IS LESS THAN 1.3 POUNDS PER 1000 GALLONS)

Pine Trees	Nitrogen Rate	Total Nitrogen
	65 lbs per acre	65 lbs per acre

1. Using the nitrogen concentration in septage at 2.6 pounds per 1,000 gallons, the maximum application rate for the pine tree stand is 25,000 gallons of septage per acre per year.

RYE = Realistic Yield Expectation

Nitrogen application rate for septage based on the RYE for the dominate soil type in the application area.

D. Relative Application Rates Of Septage

<u>Month</u>	
January	Low
February	Low
March	Med
April	Med
May	High
June	High
July	High
August	High
September	Med
October	Med
November	Low
December	Low

*Comulative application rate shall not exceed the annual application rate
D.W.S.*

Note: Low= 5,000 gallons, Med= 10,000 gallons, High= 15,000 gallons

E. Application Method

The septage will be applied evenly over the entire permitted application area using a tank truck. The septage will be uniformly spread over the pine tree stand. The application equipment will utilize existing travel lanes. Application equipment should be calibrated annually.

F. Additional Fertility Requirements

Soil test results for the crops grown must be obtained annually. Buffer areas where no septage is applied should be maintained. Only the nutrients in the septage will be applied to the pine stand. No additional nutrients will be applied unless indicated by soil or tissue samples.

G. Harvesting of the Crops and Their use

Pine straw will be harvested on an annual basis. Basal area of the trees should be maintained for the maximum straw production. The harvesting of pine trees will be preformed under the guidance of a forestry consultant or North Carolina Forest Service representative.

H. Soil Erosion and Runoff Control

Given that the slopes on this site are 0-2% and the sandy nature of the soil that allows water infiltration, soil erosion should not be a problem. A more than adequate stand of managed pines surrounds the application area and serves as a buffer and ensures that no effluent will leave the application site.

Alternative disposal location shall be used so that the 30 day waiting period shall be followed between the last application of septage and the harvesting of the pine straw. D.W.S.

I. Certification Dale W Jones
Dale W Jones
SUBMITTED BY: Dale W Jones
Permit Site Operator

1-20-11
1-28-11
1-16-10
Date 9-3-08



PREPARED BY: David Dycus
Regional Agronomist with the N. C. Dept. of Agriculture and Consumer Services

Date 2/25/08

250 Dycus Road, Sanford NC 27330
Telephone: 919-776-9338
Email: david.dycus@ncmail.net

* NEW SIGNATURE + DATE FOR DALE

Dale W Jones 20
1-11-14



Wet Area

7.8 acres

Stair

Formed
County,
located,
General,
of the Ho
Congress
Albemarle
Stacy
by the
Tillery,
River.
beautif
and bc

89-01 Mathis

