



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

Hoffman Septic Tank Pumping
Paul G. Hoffman
110 Enterprise Dr.
Elizabeth City, NC 27909

is hereby permitted to operate Septage Land Application Site with permit # **SLAS-27-11** located on SR 1146 in Currituck County at approximate position 36.37103° N latitude and -75.99829° 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 3/17/2016


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

CONDITIONS OF OPERATING PERMIT

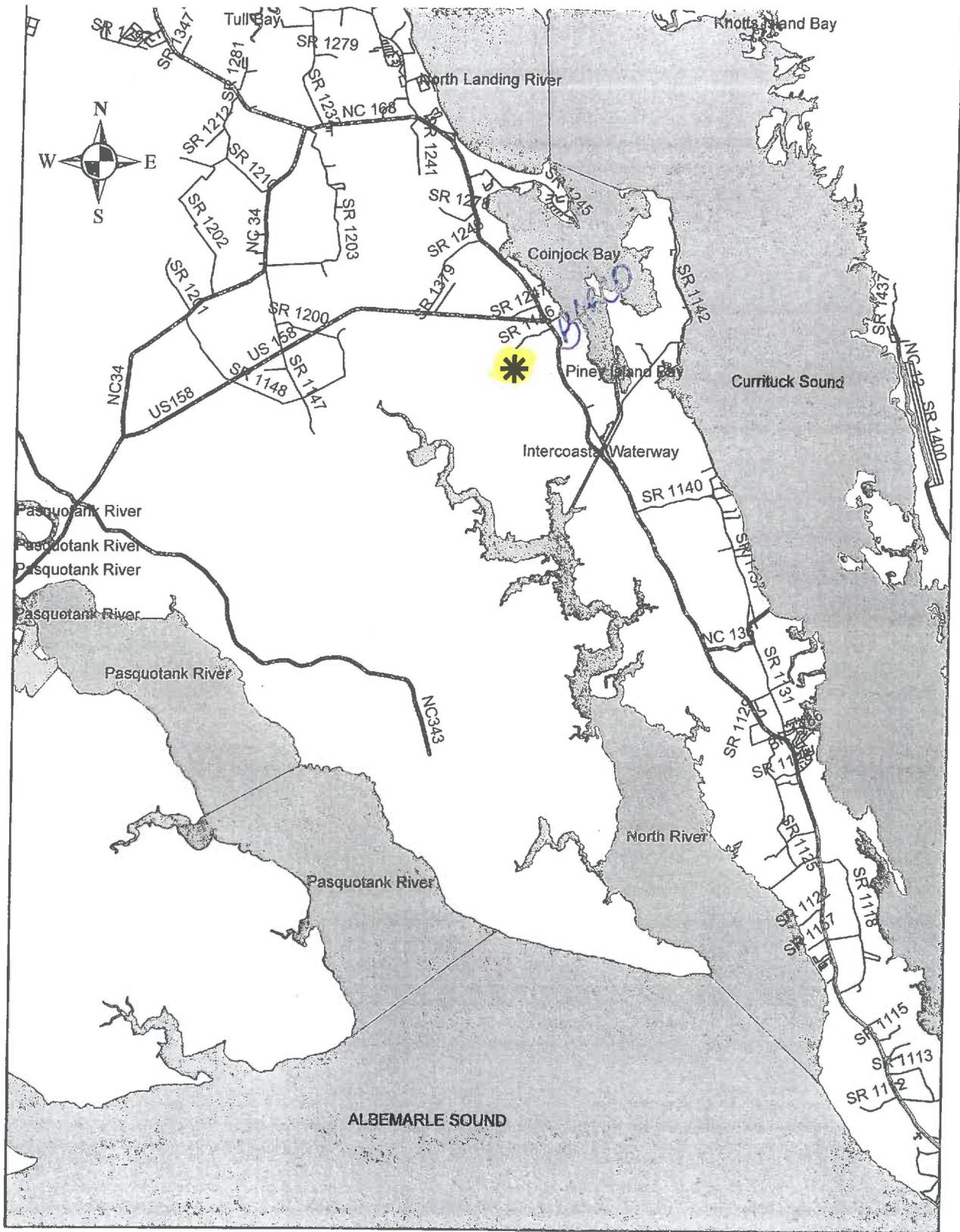
1. This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of both surface and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Paul G. Hoffman and approved by the Division of Waste Management. The 7.4-acre site has been established in bermudagrass and shall be overseeded with wheat during September or October of each year. Areas where the bermudagrass stand falls below 80% in coverage shall be replanted. Crops harvested for animal feed shall meet the mandatory 30-day waiting period between the last application of septage and the harvest of the crop. 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 Paul G. Hoffman 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 (including portable toilet waste), grease septage, and commercial/industrial septage. Commercial/industrial septage shall only be land applied after the waste from each source is tested and the results approved by the Solid Waste Section.** 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 7.4 acres that are available for land application of septage.** The maximum annual application rate shall be 100,000 gal/ac/yr. Of the 100,000 gal/ac/yr, the wheat may receive up to 30,000 gal/ac/yr and the bermudagrass may receive up to 70,000 gal/ac/yr. The monthly rates shall be 0 gallons for none, 10,000 gallons for low, 20,000 gallons for medium, and 30,000 gallons for high. The maximum annual application amount for this site is 740,000 gallons. Application amounts to the disposal fields shall not exceed the maximum annual application rate or the monthly application rates listed above. The maximum annual application rate assumes equal septage distribution, on an annual basis, over the entire permitted area.
8. An approved septage detention facility with a minimum design capacity of 14,800 gallons shall be available prior to operation of this site as per 15A NCAC 13B .0841(a). 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 May 28, 2020.** 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, 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.

20. **Yield estimates shall be determined by physically weighing approximately one-fourth (1/4) to one-half (1/2) of the hay removed for each harvest. A copy of the amount of hay harvested from each field shall be submitted to the Solid Waste Section for each year.**



SLAS-27-11

- * Paul Hoffman's site in Currituck County
- * Site located on farm path off of SR 1146
- * Map created from GIS data obtained from NCDOT's website.

SLAS-27-11



Aerial Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community. Map created by NC DEQ, Division of Waste Management for permitting purposes only.

1 in = 200 ft



PAT MCCRORY
Governor

DONALD R. VAN DER VAART
Secretary

MICHAEL SCOTT
Acting Director

March 24, 2016

Mr. Paul Hoffman
Hoffman Septic Tank Pumping
110 Enterprise Dr.
Elizabeth City, NC 27909

**RE: SLAS-27-11 Permit Renewal
Hoffman Septic Tank Pumping
SR 1146 in Currituck County**

Dear Mr. Hoffman:

The NC Division of Waste Management has reviewed your application to renew the operation of Septage Land Application Site, permit # **SLAS-27-11**, in Currituck County. Your application has been approved in accordance with NC Septage Management Rules and your permit, **SLAS-27-11**, is enclosed.

Please read all permit conditions carefully. Your nutrient management and soil erosion and runoff control plans you submitted have been incorporated into this permit. In particular, pay close attention to **Permit Conditions 6, 7, and 15**. **Permit Condition 6** covers the steps required before commercial/industrial septage can be land applied. **Permit Condition 7** states your maximum annual application rate, monthly application rates, and maximum crop application rates. The maximum application rate to wheat was reduced from 35,000 gal/ac/yr to 30,000 gal/ac/yr. **Permit Condition 15** states that this permit shall expire on **May 28, 2020**. An application for permit renewal and your septage application logs should be submitted at least ninety (90) days prior to the expiration of your permit.

Again, read all permit conditions carefully. Failure to operate the septage land application site in accordance with NC Septage Management Rules and the enclosed 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-27-11**."

Sincerely,

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

Enclosures

cc: Central Files
JBS Group (J. Bryan Smith), Landowner
Currituck County Health Department

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