

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

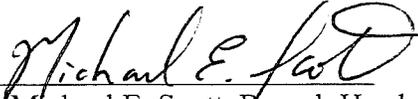
**PERMIT TO OPERATE A SEPTAGE LAND  
APPLICATION SITE**

Gary & Virginia Dellinger  
A Sani-Can Service, Inc.  
8151 Webbs Road  
Denver, NC 28037

is hereby issued a permit to operate Septage Land Application Site with permit # **SLAS-18-01** on SR#1885 in Catawba County in approximate position 35.6664° N latitude and -81.0136° 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 10/9/09

  
Michael E. Scott, Branch Head  
Solid Waste Section

**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 This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of the surface waters and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Gary Dellinger and approved by the Division. **The 65.66 acre site shall be divided into Field #1 (9.26 acres), Field #2 (21.08 acres), Field #3 (9.99 acres), Field #4 (9.22 acres), and Field #5 (16.11 acres).** The 30 day waiting period between the last application of septage and the harvest/grazing of the crop shall be maintained. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan. **Field 1 shall not be used for land application until the paddocks have been removed, a pre-operational inspection has been performed and field 1 is in compliance and approved by this office for land application to occur.**
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Gary Dellinger. Any site improvements noted in the plan must be installed within 30 days of plan approval. The site shall be operated and erosion and runoff control measures maintained in such a manner as to prevent migration of wastes off of the designated waste receiving site. The installation of groundwater monitoring wells may be required.
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 government agencies (local, state and federal) which have jurisdiction. It is the responsibility of the Permittee to be in compliance with the requirements of 40 CFR 503.
5. This permit may be modified or reissued to incorporate any conditions, limitations and monitoring requirements the Division of Waste Management 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.** 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 65.66 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 3,283,000 gallons. **However, the current maximum annual application rate shall be 2,820,000 (in regards to 56.40 acres) until Field 1 is approved for land application.** This application rate assumes equal septage distribution, on an annual basis, over the permitted area. Monthly septage applications shall not exceed the monthly relative application rates given in the approved nutrient management plan for the site.
8. An approved above ground septage detention system with a minimum design capacity of 63,134 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: Gary G. Dellinger  
SLAS #: 18-01  
County: Catawba

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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. Septage shall not be applied during periods of high soil moisture.
10. This permit shall become voidable unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the Permittee shall discharge septage at this site without prior appropriate notification and written approval of the Division of Waste Management.
11. 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.
12. **This permit shall expire October 9, 2014.** 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. The septage application log for the period of time this permit was valid shall be submitted along with the application for permit renewal or modification. The information required in the log is described in Rule 15A NCAC 13B .0822(e)(1) of the NC Septage Management Rules and 40 CFR Part 503.17(b) of the Federal Register. This permit is non-transferable.
13. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division of Waste Management upon request.
14. Any duly authorized officer, employee, or representative of the Division of Waste Management 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.
15. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site.
16. 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.



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews

Director

Beverly Eaves Perdue  
Governor

Dee Freeman  
Secretary

October 9, 2009

Gary & Virginia Dellinger  
A Sani-Can Service, Inc.  
8151 Webbs Road  
Denver, NC 28037

**RE: SLAS permit renewal  
A Sani-Can Service, Inc.  
SLAS-18-01  
SR#1885 in Catawba County**

Dear Mr. & Mrs. Dellinger:

The NC Division of Waste Management has reviewed your renewal application for a septage land application site permit in Catawba County. Your application has been approved and your permit, # SLAS-18-01, is enclosed. If you have any questions about your permit, we'll need the number in order to answer your questions. **Please note in Permit Conditions 2 & 7, the adjusted disposal acreage and corresponding application rates in regards to the recent GPS data and also Field 1 not being available at this time for land application.**

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 12, which states you 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 .0822 (e) (1) and the Federal register's 40CFR Part 503.17 (b). This permit condition also states that this permit is valid until October 9, 2014. 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 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.

# SLAS-18-01



# 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 A Sani-Can Service, Inc. \_\_\_\_\_  
Address 8151 Webbs Road \_\_\_\_\_  
Denver, NC 28037 \_\_\_\_\_  
Phone 704.483.5641 \_\_\_\_\_

2. Contact person for site operation (if different from applicant): Gary Dellinger \_\_\_\_\_  
Title or position Secretary \_\_\_\_\_ Phone 704.483.5641 \_\_\_\_\_  
Address 8151 Webbs Road \_\_\_\_\_  
Denver, NC 28037 \_\_\_\_\_

3. Landowner Gary & Virginia Dellinger \_\_\_\_\_  
Address 7982 Malibu Pointe Lane \_\_\_\_\_  
Denver, NC 28037 \_\_\_\_\_

4. Site Location: County Catawba State Road Number 1885 Long Island Road  
Directions to site: From Sherrills Ford turn right on Joe Johnson Road, Right at stop sign onto Long Island Road, pass Bolton Road, go ¾ mi., Right at wire fence (gravel road) to end

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

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

Existing site permit number: 18-01 permit expiration date: 5/19/09

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 73 acres.

7. Substances other than septage or grease trap pumpings previously disposed of on the site:  
(a) None x, 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. – Site owned by operator.***

9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report. Prepared for original permit by Division of Waste Management.

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

(over)

II. Site Management Information:

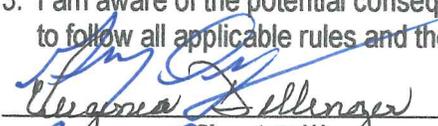
The following information shall be included with the application form:

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): SD7F 55-20
4. Types of septage proposed to be discharged at the site (check all that apply):
  - (a) Domestic septage pumped from septic tanks x
  - (b) Grease trap pumpings x
  - (c) Portable toilet waste x
  - (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 and portable toilet waste will be lime stabilized to PH12 for at least 30 minutes (Grease trap pumpings for at least 2 hours) and will be at PH12 when land applied.
6. Proposed method of applying septage to land, including septage distribution plan if required \* (use additional paper to explain if necessary): Septage and Grease will be land applied utilizing a pressurized pump truck equipped with a splash plate for spreading.
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law \*\* or if any part of the site specified is not agricultural land (use additional paper to explain if necessary): Site is agriculture 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.

  
\_\_\_\_\_  
Signature\*\*\*  
  
\_\_\_\_\_  
Print name

10-24-08  
\_\_\_\_\_  
Date  
President  
\_\_\_\_\_  
Title

Note: This application will not be reviewed until all parts of the application are complete.

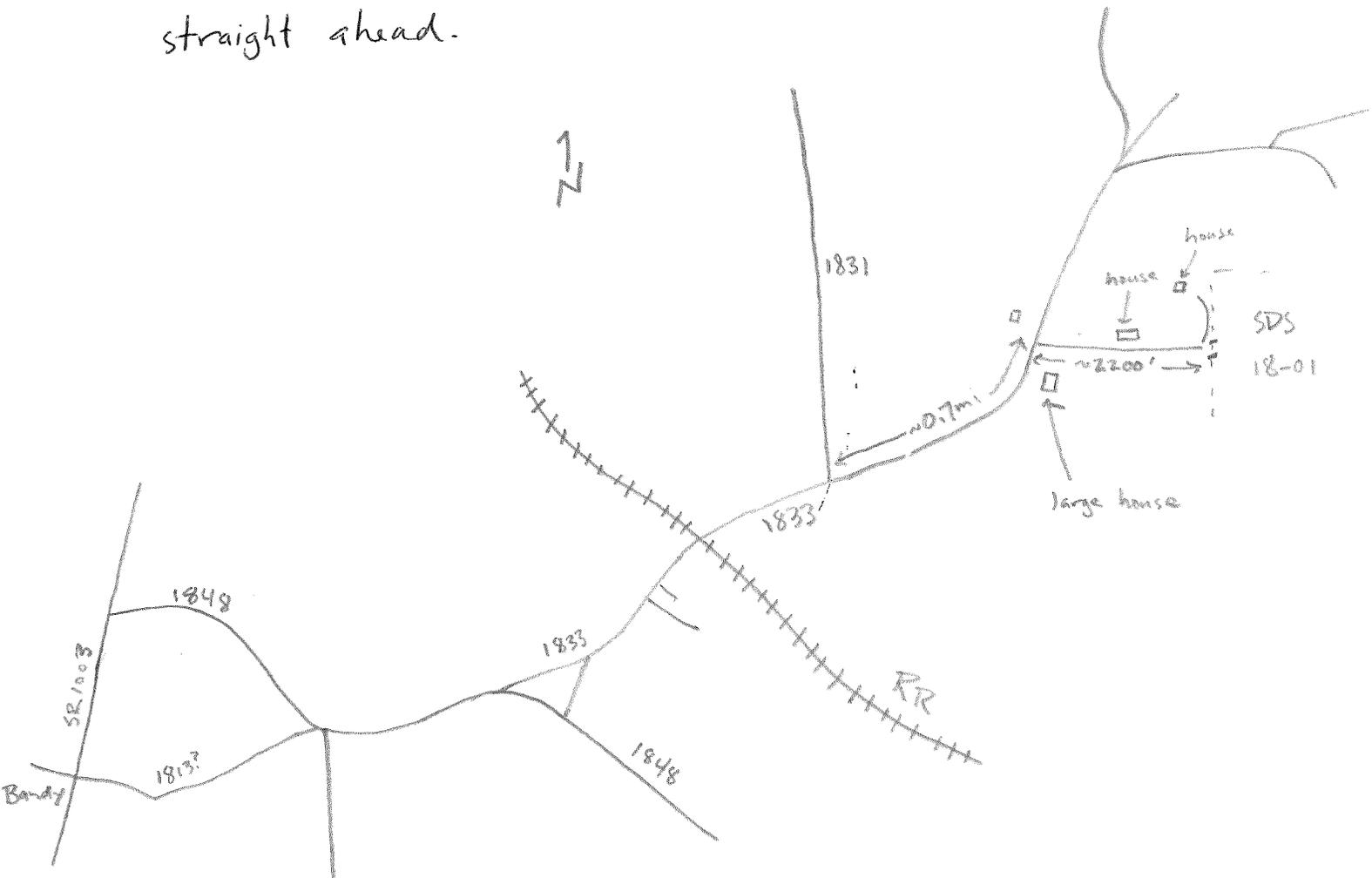
\* Refer to Section .0821(e) of the N.C. Septage Management Rules.

\*\* Refer to Section .0821(g) of the N.C. Septage Management Rules.

\*\*\*Signature of company official required.

# Directions to Gary Dellinger Site, A Sani-Can. Catawba Co.

Intersection of Hwy 150 and Hwy 16; N on Hwy 16 to Drums X road and SR 1003; N on SR 1003 to Bandy and SR 1813(?); E from Bandy to SR 1848(?); E (or Right) on SR 1848 to 1st road to left (SR 1833); N + E on SR 1833; cross RR; 1st road to left is 1831, from ~~it~~ this intersection of SR's 1831 + 1833, go ~0.7 mi to dirt path on right, just after a lefthand curve in the road; turn right onto path, pastures are on both sides of the road with hill sloping downward on the right; go straight ~2200 feet until road turns sharply left; gate to fields is straight ahead.



NUTRIENT MANAGEMENT PLAN FOR  
SEPTAGE LAND APPLICATION SITE 18-01



A. General Information:

1. Field #1 contains approximately 9.26 acres.
  2. Field #2 contains approximately 21.08 acres.
  3. Field #3 contains approximately 9.99 acres.
  4. Field #4 contains approximately 9.22 acres.
  5. Field #5 contains approximately 16.11 acres.
3. The dominant soil series on the site is red clay.
4. 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).
5. All nitrogen recommendations for forages will be 75% of the realistic yield expectation nitrogen rate should the forage be grazed.
6. Septage storage is provided at SDTF permit #55-20. The approximate capacity is 36,000 gallons.

B. Crops to be grown and approximate planting time:

1. Field #1,2,4, & 5, including buffer zones, are planted in fescue and matua grass.
2. Field #3, including buffer zones, is planted in switch and rye grass.

Areas in fields 1,2,4, & 5 with less than 85% groundcover will be re-seeded in September or early October with fescue and matua at a rate of 15 pounds per acre of matua and 10 pounds per acre of fescue. All seed will be drilled.

Matua will also be allowed to re-seed naturally. Two fields will be allowed to go to seed in the fall and two in the spring. The seed heads will be mowed to spread the seeds after they have dried.

Areas in field 3 with less than 85% groundcover will be re-seeded with 6 to 10 pounds per acre of pure live seed switch grass at a rate of 6 to 10 pounds per acre. The seed will be drilled in late spring.

C. Nitrogen needs for crops grown:

RYE= Realistic Yield Expectations

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RYE= Realistic Yield Expectations

N App. Rate + Suggested N application rate based on RYE for soil type.

Crop	RYE	N. App.Rate	Reduction Factor	lbs.N/acre
Tall fescue/matua	4.5 tons/acre	x 45 lbs N/dry ton	x 0.75 =	150
Switch grass	4.5 tons/acre	x 45lbs. N/dry ton	x 0.75 =	150

D. Relative application rates for Fields 1 and 2:

Month	Field	
	1,2,4, & 5	3
January	Low	Low
February	Medium	Low
March	High	Low
April	High	Low
May	Medium	Medium
June	Low	High
July	Low	High
August	Low	High
September	Medium	Low
October	Medium	Low
November	Low	Low
December	Low	Low

None = 0 gallons; Low = 5,000 gallons  
 Medium = 10,000 gallons; High = 15,000 gallons

NOTE: Cumulative application rate is not to exceed the permitted application rate.  
 Annual application rate is not to exceed 50,000 gallons per acre.

E. Application Method:

The preceding information is based on septage being evenly applied over the entire permitted site from the back of a pump truck using a splash plate.

F. Additional Fertility Requirements:

Phosphorus and potassium will be added to the site in accordance with the soil test results for the crops grown.

The buffer areas will be fertilized with a balanced fertilizer to maintain production based on soil test results.

G. Harvest of the crops and their use:



The primary harvest method will be grazing. Cattle will be rotated from field to field based on the growth stage of the grass in each field. The grazing height for switch grass will be a maximum of 12 inches. For fescue grass the maximum grazing height will be 8 inches. Cattle will not be placed in a field until at least 30 days after the last land application event.

In the event that the cattle cannot keep the fields adequately grazed, the hay will be cut, baled, and removed from the application and buffer areas. Hay will not be cut until at least 30 days after the last land application event. Hay will not be cut until ten to twelve inches of height is reached.

### SOIL EROSION AND RUNOFF CONTROL PLAN

Given that slopes on this site do not exceed five percent, a 50 foot buffer, planted in fescue, 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:  Date 10-9-09  
Site Operator

Submitted by:  Date 10-9-09  
Site Operator

Plan prepared by: Gary Dellinger Date 10/9/09

Address: 8151 Webbs Road  
Denver, NC 28037

Phone: 704-483-5641

