



Facility Permit No: SLAS-79-02
Billingsley Septic Tank Co.
Permit to Operate
March 18, 2014
Page 1 of 4

North Carolina Department of Environment and Natural Resources
Division of Waste Management
Dexter R. Matthews
Director

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

Billingsley Septic Tank Co.
Wayne Billingsley
149 Penn Road
Reidsville, NC 27320

is hereby permitted to operate Septage Land and Application Site with permit # **SLAS-79-02** located on SR#2600 in Rockingham County in approximate position 36.2694 latitude and -79.6363° 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

3/18/2014


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

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

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 This permit shall become void if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards both surface and ground waters.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 Wayne Billingsley and approved by the Division of Waste Management. **The 30.17-acre site shall be divided into four fields, Field 5A (8.01 acres), Field 5B (4.88 acres), Field 6A (9.74 acres) and Field 6B (7.54 acres).** The 30 day waiting period between the last application of septage and the harvest of the crop shall be maintained by rotating between the four fields. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan. **Field 5A has not been utilized for septage land application since 2010 and other crops have been planted on this field. Land application shall not occur on Field 5A until the fescue crop has been sufficiently established and approved by this office.**
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Wayne Billingsley in such a manner as to prevent the migration of wastes off of the designated waste receiving site. Any site improvements noted in the plan must be installed within 30 days of plan approval. The installation of groundwater monitoring wells shall be required as deemed necessary by the Division.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other local, state, and federal government agencies which have jurisdiction. It is the responsibility of the Permittee to be in compliance with the Federal Regulations listed in the Code of Federal Regulations, 40 CFR Part 503.
5. This permit may be modified or reissued at any time to incorporate any conditions, limitations and/or monitoring requirements the Division deems necessary to adequately protect the environment and public health.

6. **This site is only permitted for the land application of domestic septage and grease trap pumpings.** Domestic septage pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. Grease septage or grease septage mixed with domestic septage shall be raised to pH 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application.
7. **This site contains approximately 30.17 acres that are available for land application of septage.** The maximum annual application rate shall be 50,000 gallons per acre per year, for a total, **maximum annual application rate of 1,508,500 gallons.** 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 29,0010 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 March 18, 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 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, within 100 feet of any ditch or within 200 feet of any surface water unless specified otherwise. **A 100 foot setback shall be maintained between the marked disposal boundary of Field 6A and the nearby pond on the northwest side of this field.**



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

John E. Skvarla, III
Secretary

March 18, 2014

Mr. Wayne Billingsley
Billingsley Septic Tank Co.
149 Penn Road
Reidsville, NC 27320

**RE: SLAS permit renewal
Billingsley Septic Tank Co.
SLAS-79-02
SR#2600 in Rockingham County**

Dear Mr. Billingsley:

The NC Division of Waste Management has reviewed your application to renew a Septage Land Application Site permit in Rockingham County. Your application has been approved and your permit, # **SLAS-79-02**, is enclosed. If you have any questions about your permit, we'll need the number in order to answer your questions.

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 **March 18, 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 Wylie, Soil Scientist
Composting & Land Application Branch

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 Billingsley Septic Tank Co.
Address 149 Penn Rd.
Reidsville, NC 27320
Phone 336.342.0608

2. Contact person for site operation (if different from applicant): Wayne Billingsley or Brenda B. Williams
Title or position owners Phone 336.342.0608
Address 149 Penn Rd.
Reidsville, NC 27320

3. Landowner Billingsley Assoc. LLC
Address 149 Penn Rd.
Reidsville, NC 27320

4. Site Location: County Rockingham State Road Number 2600
Directions to site: Take 87 North to Reidsville, turn left on Mizpah Church Rd, turn left on Penn Rd.

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

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

Existing site permit number: SLAS-79-02 permit expiration date: 10-15-13

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: 34 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): City of Eden, Mebane Bridge Water Reclamation Plant
4. Types of septage proposed to be discharged at the site (check all that apply):
 - (a) Domestic septage pumped from septic tanks XX
 - (b) Grease trap pumpings XX
 - (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 stabilized to a ph of 12 for septage application septage will be lime stabilized for 30 min. and grease for 2 hr to a ph of 12 prior to application.
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Sprayed from pumper truck using splash plate, to provide a uniform distribution of septage across the site.
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 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.

Wayne Billingsley
Signature***

7-15-13
Date

Wayne Billingsley
Print name

Co-owner of Billingsley
Title
Septic Tank Co.

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.

Limited Liability Company Landowner=s Authorization to Operate a Septage Land Application Site
North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
1646 Mail Service Center, Raleigh, NC 27699-1646

I hereby certify that the undersigned limited liability company, Billingsley Assoc. LLC owns 245.37 acres of land located in Williamsburg Township, Rockingham County Reidsville, NC and identified by 1118 J + page 1322 (book and page of recorded deed or tax map parcel) and that the limited liability company agrees to allow Billingsley Septic Tank Co (operator name) to use said land for application of septage for a period of 50 yrs (indicate time period) beginning 10-15-13 (give date), and that on behalf of the limited liability company, I have read the North Carolina Septage Management Rules*, and Billingsley Assoc. LLC (name of limited liability company) understands and agrees to maintain the restrictions on land use after septage application ends**. Billingsley Assoc. LLC (name of limited liability company) further understands that no septage may be land applied until the Division of Waste Management has issued a permit for a septage land application site. The above described property is owned solely by the undersigned limited liability company, or jointly with (name all co-owners, or state none)

none
Date: 7-15-13

Billingsley Assoc. LLC
Limited Liability Company, (Print Name)

Brenda B. Williams - Brenda B. Williams
Signature (Authorized Member or Manager) Print Name and Title Member of LLC

North Carolina
ROCKINGHAM County

I, Velkie B Washburn, a Notary Public for said County and State do hereby certify that BRENDA B WILLIAMS (name of authorized member or manager of limited liability company) personally appeared before me this day and, being first duly sworn, acknowledged that ~~he~~ (she) is a (the) MEMBER (member or manager) of BILLINGSLEY ASSOC. LLC, a limited liability company, and that by authority duly given and as the act of the limited liability company, the foregoing instrument was signed in its name by its authorized MEMBER (member or manager), and that the statements contained therein are true. Witness my hand and official seal, this the 15 day of JULY, 2013.

Velkie B. Washburn
Notary Public
My Commission expires: 5-2-17



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

THE FOLLOWING IS THE NUTRIENT MANAGEMENT PLAN, AND

EROSION AND RUNOFF CONTENT PLAN FOR:

SLAS # 79-02 OPERATED BY: BILLINGSLEY SEPTIC TANK COMPANY

A. GENERAL INFORMATION:

1. Periodic Sampling (at least 2/year) of the septage will be conducted for waste analysis.

2. Field site #79-02 permitted for septage application consist of:

- Field 5A which contains approximately ~~6.5~~^{8.01} acres and is re-established in ~~Tall Fescue~~^{TALL FESCUE}. ~~5.0~~^{5.13}
- Field 5B which contains approximately ~~5.5~~^{4.88} acres and Tall Fescue will be planted in October.
- Field 6A which contains approximately ~~11.5~~^{9.74} acres and is established in Tall Fescue.
- Field 6B which contains approximately ~~10.5~~^{7.54} acres and is established in Tall Fescue.

3. The dominant soil series in fields 5A & 5B is Vance Sandy Loam and in 6A and 6B is Cecil/Pacolet, with 4-7% slope. Copy of Rockingham County Soil and Water Conservation District, Food Security Act Plan addressing Soil Conservation Practices is attached along with aerial photograph for sites showing boundaries.

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 depth).

5. All nitrogen recommendations for forages are based on realistic yeild expectation for hay production.

6. Septage storage shall be provided to account for the average volume of septage pumped per week, or an alternative plan, such as disposal at a waste treatment plan, should be in place.

B. Crops to be grown and approximate planting times:

1. Site #79-02 located on Penn Road south of Reidsville in Rockingham County.

5A - not being septage applied until FVR Fescue established CSW

2. In order for fescue fields (Field #'s ~~5A~~ 5B, 6A, 6B) to receive septage, a 90% stand should be maintained. Soil test should indicate that the fields are agronomically suitable for septage applications. Fescue stands will be monitored to determine when reseeding and weed control is necessary. Septage applications will be suspended in areas that: (1) need reseeding, which will allow soil preparation and establishment of a stand of fescue that can utilize applied nutrients or (2) are agronomically unsound. If reseeding becomes necessary, follow seeding rates and dates recommended in the Planting Guide For Forage Crops In NC.

3. Field ~~5A~~ 5B, including buffer zones, will be planted in Tall Fescue at a rate of 30 lbs./acre if broadcast or 20 lbs./acre if drilled, during month of October ~~2004~~ in order to establish a permanent stand. Areas that develop with less than a 90% groundcover by fescue will be reseeded with fescue at a rate of 15 to 20 lbs/acre if Broadcast or 10 to 15 lbs/acre if drilled in Mid February through March ~~2005~~. Septage will not be applied to field ~~5A~~ 5B until fescue is at a minimum height of 6 inches.

4. Septage applications will be suspended in areas that:

A- need reseeding, which will allow soil preparation and establishment of a stand of fescue that can utilize applied nutrients. If reseeding becomes necessary, following the seeding rates and dates recommended in the Planting Guide For Forage Crops In NC. Best reseeding dates for fescue are August 25 - September 15 with possible dates of August 25 - October 25 or February 15 - March 31. Seeding rates should be 15 - 20 lb/acre if Broadcast or 10 - 15 lbs/acre if drilled.

B- during periods when excess rainfall is expected so as to prevent movement of nutrients off site or

C- is agronomically unsound.

5. A 30 day waiting period will be observed between the last application of septage and harvesting.

C. NITROGEN NEEDS FOR CROPS GROWN:

1. Fescue will be harvested and removed. Septage application will be based on nutrient needs of fescue and will not exceed 180.00 lbs. N/acre/year as determined.

R.Y.E. = Realistic Yield Expectations
 N App. Rate = Suggested Nitrogen (N) Application rate based on R.Y.E. for soil type.

<u>Crop (Cut for Hay)</u>	<u>R.Y.E.</u>	<u>N App. Rate</u>	<u>Lbs N/Acr.</u>
Site #			
79-02 Tall Fescue	4.0 Tons/Acre X	45 Lbs.	= 180.00

D. RELATIVE APPLICATION RATE FOR SITE:

<u>MONTH</u>	<u>RELATIVE RATE</u>
January	Low
February	Medium
March	High
April	High
May	Medium
June	Low
July	Low
August	Low
September	Medium
October	Medium
November	Medium
December	Low

Low = 5000 Gals. Medium = 10000 Gals. High = 15000 Gals.

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 by truck splash plate spraying. Application will be uniform over treated area.

F. ADDITIONAL FERTILITY REQUIREMENTS:

1. Site shall be soil tested and fertilized according to soil test results for tall fescue.

2. The application site shall be soil sampled at least once each year. Nitrogen needs of the fescue are to be met with the septage applied. Soil test results will be used to determine other nutrients that should be applied to fertilize the fescue. Phosphorus and potassium are the nutrients that will require commercial fertilizer applications.
3. In fescue buffer areas of the fields, soil test shall be taken and fertilized, according to recommendations, with commercial fertilizer.

G. HARVEST OF CROPS AND USE:

1. The fescue will be cut as hay, baled and removed whenever it reaches approximately 12 inches in height or just before seedhead emergence. This will usually take place in late may and again in September or October. At least two fescue harvests will be made each year.
2. A 30 day waiting period must be observed between the last application of septage and hay harvest.
3. Until Field ~~5B~~^{5A} is established and is six inches in height, application and harvest can be rotated between fields ~~5B~~^{5A}, 6A and 6B. Beginning about the first of April, septage will be applied to Field 6A while the fescue on Field ~~5A~~^{5B} & 6B is undisturbed for 30 days. After 30 days Field ~~5B~~^{5A} will be harvested and septage application switched to Field 6A. After an additional 30 days the fescue can be harvested on Field 6A and septage application switched to Field 6B. For the third phase of the rotation, after an additional 30 days the fescue can be harvested on Field 6B and septage application switched to Field ~~5A~~^{5B}. The rotation schedule is established between 5A, 6A & 6B.
4. Once field ~~5B~~^{5A} is established and 6 inches in height, it may be put in the above rotation with ~~5A~~^{5B} 6A & 6B, waiting 30 days after septage application before harvest.
5. Accurate records should be maintained of all activities on these fields and pumping of septage. Records should include date, amounts and fields that septage was applied.

H. SOIL EROSION AND RUNOFF CONTROL:

1. This application site has a slope of 4-7%. Where septage is

applied care should be taken to honor and maintain setbacks according to NCDENR standards.

2. Setback needs to be maintained along northwest border of the field between the septage land application area and the pond. As long as the field remains in an adequate stand of grass the setback of 200 ft may be reduced to 100 ft.
3. Setback of 15 ft needs to be maintained along grassed drainageway running north to south that divides the field into two portions.
4. Areas should be flagged to show all application areas and setbacks.

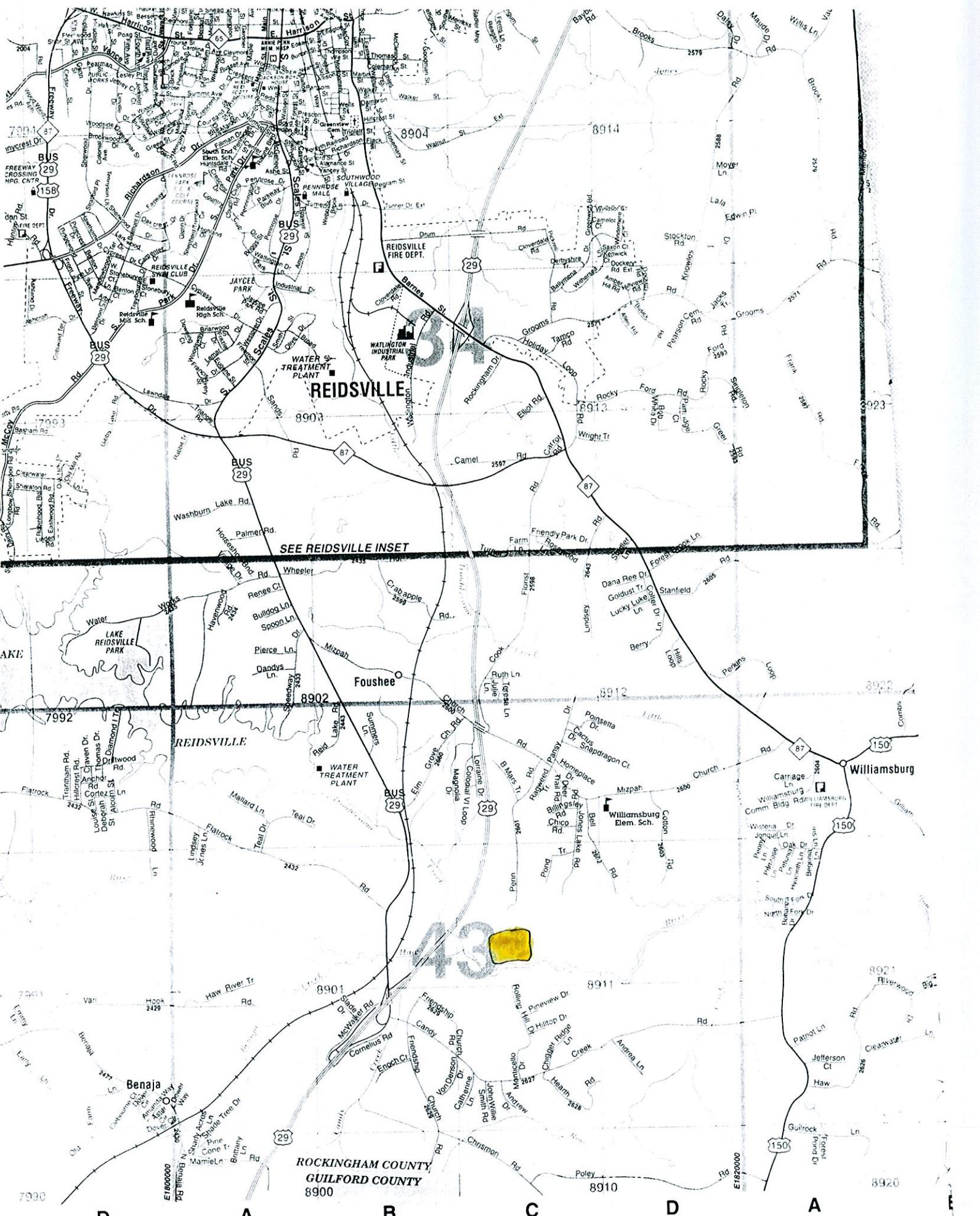
THE NORTH CAROLINA COOPERATIVE EXTENSION SERVICE IS COMMITTED TO PROVIDING EDUCATIONAL OPPORTUNITIES TO CITIZENS, IT IS NOT OUR ROLE TO GUARANTEE, MONITOR, REPORT, OR ENFORCE COMPLIANCES WITH THIS PLAN. IT IS HOWEVER, YOUR RESPONSIBILITY TO ENSURE THE ACCURACY OF THE PLAN AND THE IMPLEMENTATION PROCEDURES THAT MAY BE CONTAINED IN THE PLAN.

Wayne Billingsley 9-22-13

Submitted By: *Brenda Williams* Date _____
 J.T. Billingsley Site Operator

Plan Prepared By: *Ben Chase* Date *12/15/04*
 Ben Chase
 Agricultural Extension Agent
 P.O. Box 200
 Wentworth, NC 27375-0200
 Phone: (336) 342-8230





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ROCKINGHAM COUNTY
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8900

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