



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue  
Governor

Dexter R. Matthews  
Director

Dee Freeman  
Secretary

March 9, 2012

Mr. Ronnie Oaks  
L & L Environmental Services, LLC  
PO Box 19491  
Charlotte, NC 28219-9491

Permit No.	Scan Date	DIN
<b>0404-COMPOST-2013</b>	<b>May 30, 2013</b>	<b>19043</b>

Re: Compost Demonstration Extension Approval SWCD-04-01

Dear Mr. Oaks:

The Division of Waste Management, Solid Waste Section, has reviewed your request for an extension of L & L Environmental Services, LLC approval of a Solid Waste Pilot Composting Project. Your request is considered approved in accordance with the N.C. Solid Waste Management Rules, 15A NCAC 13B .1409 and subject to the following conditions:

1. All original permit conditions remain in effect.
2. The demonstration approval shall expire May 3, 2013 and all operations shall cease after that date unless a permit to operate a solid waste management facility has been obtained.
3. Should you choose to apply for a permit to operate this facility the application should be submitted at least 90 days prior to this approval expiring.

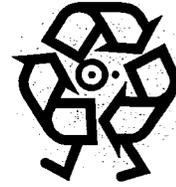
Ms. Teresa Bradford, Environmental Senior Specialist, will be responsible for oversight and inspection of the facility and activities. Ms. Whaley can be contacted at (704)235-2160. If you have any questions please feel free to contact me at (919)707-8246.

Sincerely,

Michael E. Scott, Section Chief  
Solid Waste Section

cc: Teresa Bradford, Environmental Senior Specialist, Mooresville Regional Office  
Jason Watkins, Western District Supervisor, Winston-Salem Regional Office

S:\Solid\_Waste\CLACOMPOST\DEMO\APPROVAL\04-Anson\Oaks SWCD-04-01\SWCD-04-01 ExtApproval 3-9-2012



**L & L ENVIRONMENTAL SERVICES, LLC.**  
**PO BOX 19491**  
**CHARLOTTE, N.C. 28219-9491**  
**O: 704-332-0911 - Fax: 704-848-4221**  
**llenviro@att.net**



2/25/12

N.C.D.E.N.R  
DWM-Solid Waste Section  
MSC 1646  
Raleigh, NC 27699-1646

ref: Composting permit

Dear Mr. Scott:

Per our telephone discussion yesterday Friday 2/24/12 about my compost demonstration permit. I am requesting a one year extension for this permit. With all the responsibility and on hand experience I am receiving plus the financial obligations that goes with a compost permit I want to make sure this is the direction we need to go.

Thank You,

A handwritten signature in cursive script that reads "Ronnie Oaks".

Ronnie Oaks



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews  
Director

Beverly Eaves Perdue  
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May 5, 2011

Mr. Ronnie Oaks  
L & L Environmental Services, LLC  
PO Box 19491  
Charlotte, NC 28219-9491

Solid Waste Compost Demonstration Approval (SWCD-04-01)

Dear Mr. Oaks:

The Division of Waste Management, Solid Waste Section, has reviewed your request for approval of a Solid Waste Composting Demonstration Approval (SWCD-04-01) located at 2323 Diggs Road, Wadesboro, NC. Your request is considered approved in accordance with the N.C. Solid Waste Management Rules, 15A NCAC 13B .1409 and subject to the following conditions:

- (1) The approval period is from receipt of this letter to May 5, 2012. If an extension is needed it must be requested by February 5, 2012 with a justification for the extension.
- (2) A full Solid Waste Compost facility permit will not be issued for this facility without approval from the appropriate local zoning officials or a letter indicating that the property is not zoned. Any local zoning approvals necessary for the demonstration approval are the responsibility of the applicant.
- (3) Composting at this site shall be limited to the materials specified in the application.
- (4) The site shall be prepared to control run-off and run-on. Best management practices shall be utilized for this purpose. All run-off from the site and any leachate generated shall be managed to prevent any impact to ground or surface waters. A full Solid Waste Compost facility permit will not be issued for this facility until storm water and leachate from the site are managed according to the Division of Water Quality's standards.
- (5) This approval is subject to immediate revocation if activities on site result in a direct or potential threat to the public health or the environment or if significant odor problems are created. The Division of Waste Management reserves the right to apply any other requirements of 15A NCAC 13B Section .1400 as the Division deems necessary during the above approval period.
- (6) Operation of the facility and compost monitoring activities shall be in accordance with the approved application and Section .1406 of the Solid Waste Management Rules. Records of temperatures shall be maintained to show pathogen reduction and vector attraction reduction requirements have been met and shall be available to representatives of the Section upon request.

- (7) Compost testing, frequency of testing, and reporting of test results shall be in accordance with the approved application and Section .1408 of the Solid Waste Management Rules. Classification and distribution of compost shall be in accordance with Section .1407 of the Solid Waste Management Rules.
- (8) **All compost shall be tested and the results approved by the Solid Waste Section prior to being used at the facility or removed from the facility for any use.**
- (9) Any changes or additions to this facility, subsequent to receipt of this letter shall be approved prior to the start of the operation.
- (10) The approved compost area shall consist of the marked area that was confirmed with Section staff North of the equipment shed.
- (11) This approval is not transferable.
- (12) Teresa Bradford, Environmental Senior Specialist, and Deb Aja, Western District Supervisor, will be responsible for oversight and inspection of the facility and related activities. Ms. Bradford can be contacted at (704)235-2160 and Ms. Aja at 828-296-4702.

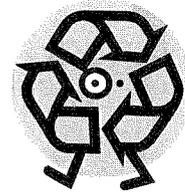
If you have questions concerning this approval please contact me at (919) 508-8497.

Sincerely,

A handwritten signature in black ink that reads "Michael E. Scott". The signature is written in a cursive, flowing style.

Michael E. Scott, Section Chief  
Solid Waste Section

cc: Teresa Bradford, Environmental Senior Specialist, Mooresville Regional Office  
Deb Aja, Western District Supervisor, Asheville Regional Office  
Ken Pickle, NC Division of Water Quality  
Jon Risgaard, NC Division of Water Quality



**L & L ENVIRONMENTAL SERVICES, LLC.**  
**PO BOX 19491**  
**CHARLOTTE, N.C. 28219-9491**  
**O: 704-332-0911 - Fax: 704-848-4221**



3/1/11

ref: Request for Compost Demonstration Permit for 1 year.

Site Owner: Ronnie Oaks  
2323 Diggs Road  
Wadesboro, N.C. 28170  
704-848-8801

Operator: Ronnie Oaks or Clay Oaks  
2323 Diggs Road  
Wadesboro, N.C. 28170  
704-848-8801

Land Owner: Ronnie Oaks  
2323 Diggs Road  
Wadesboro, N.C. 28170  
704-848-8801

Location: 2323 Diggs Road  
Wadesboro, N.C. 28170

Directions To Site:

From Wadesboro, N.C. take Hwy 52 South go 5 miles turn left or East onto Hollywood Road. Go to dead end driveway to site across at dead end road. map enclosed. Aerial photograph enclosed.

Ingredients: 1.

1. Dewatered domestic septage and grease trap.
2. Clean untreated wood and wood chips
3. Yard waste
4. Old used hay
5. Cow manure
6. Domestic de-watered sludge from package plants
7. Food processing waste.

#### Schedule:

Request a 12 month permit approval to work with process to get the procedures right with the correct mixture. Time of compost depends on various factors in the compost process.

#### Methodology Windrows;

Individual windrows will be 10-16 foot wide and 6 to 10 foot high. Windrows will be 100 foot in length or less. Windrows will be laid out on adequate slope to assure proper drainage. Waste will be mixed on clay pad and windrow covered with compost to control odor if necessary.

#### Blending;

Initial blending will be 2 yard waste to 1 yard domestic septic and grease trap waste. Waste will be mixed with 4 wheel drive backhoe, rubber tires.

#### Aeration:

Aeration will be provided by turning windrow with a 4 wheel drive rubber tire backhoe using front bucket. After heating of compost windrow will be turned every 3-5 days until pathogen reduction requirements have been met. Windrow will maintain 131 degrees for 15 days and during this period the windrow stay above 131 degrees they will be turned at least 5 times. Each step will be documented and kept for reference to accomplish proper mixture. After pathogen reduction requirements have been met, windrows will be turned as often as needed to maintain oxygen and moisture levels.

#### Monitoring:

Temperature will be measured 5 times per week, Monday thru Friday, until pathogen reduction requirements are met. Measurement will be taken more if necessary. Windrows will be monitored every 20 feet at varying depths. Moisture will be checked by hand method squeezing compost and checking water dripping out or to dry by compost falling apart.

#### Leachate:

Material will be mixed in proper proportions to control water from running out of area from compost on a down slope and vegetated with some type of cover crop mostly 80 % fescue.

#### On Site Storage:

Grease trap and septic pumping are stored on site in a permitted storage facility license number SDTF 04-06.

Wood chip, yard waste material to be stored next to compost area. This area has a clay subsoil depending on location that is chosen by regulator and operator.

#### Product Testing:

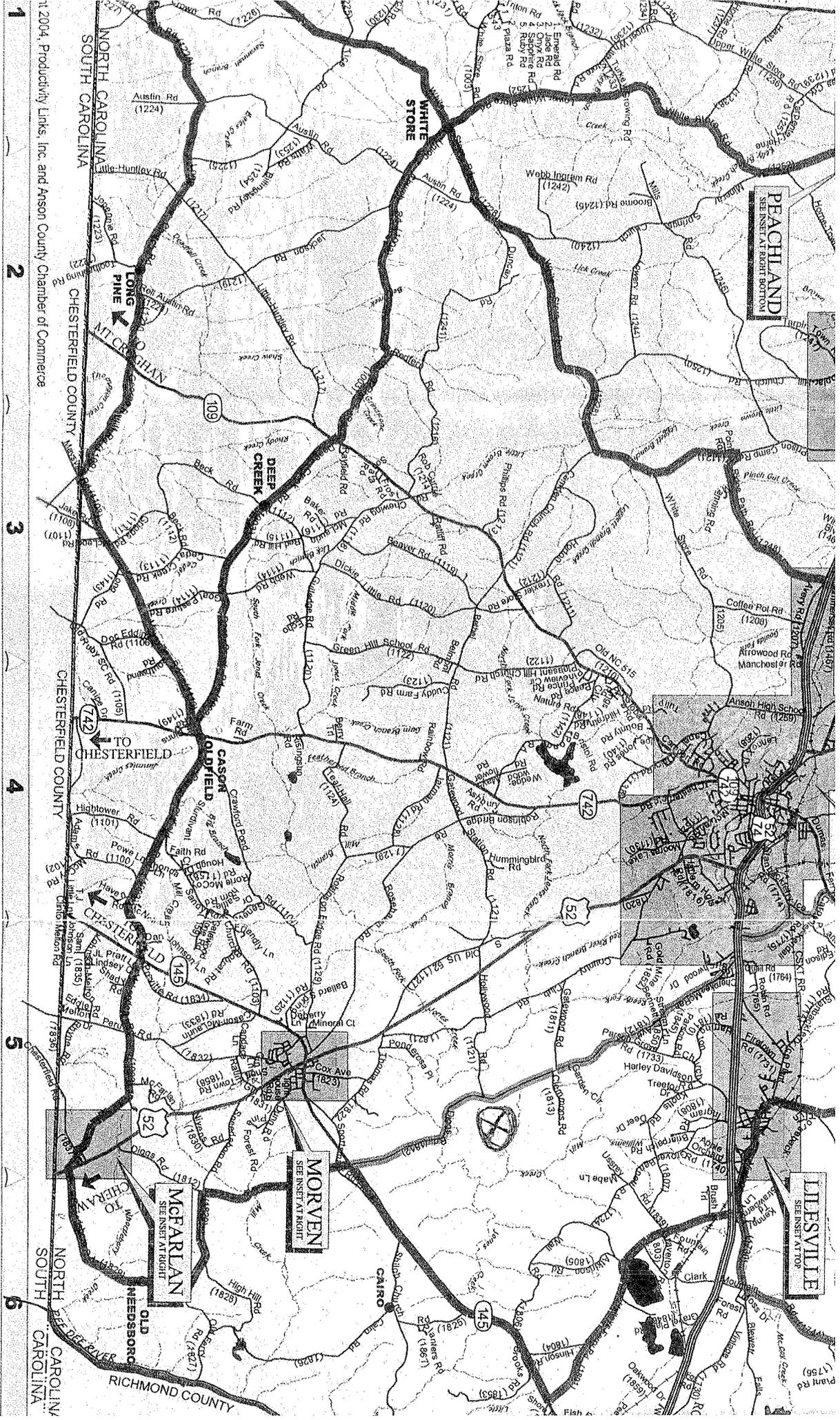
Product will be tested prior to distribution for fecal coliform bacteria, waste analysis for metal levels and fecal coliform will be run by private lab or NCDA. Sterile techniques will be used in taking these samples. Man made inert will be done by taking a 5 gallon bucket sample of compost and weighing it. The shift through a ¼ inch screen and weight trash. Trash weight must weight less than 6 % of total product weight.

#### Record Keeping:

Records will be kept of all temperature reading and when each windrow is turned. Records will show that each windrow maintain a temperature of at least 131 degrees for at least 15 consecutive days and that each windrow was turned at least 5 times while above 131 degrees. Each windrow will have its own identification number. Records will be kept of the type and quantity of all material in each windrow in pounds, yard waste averages 400 pounds per yard.

#### Product Use:

Product will be used on my farm for agriculture use and given away to other farmers.



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**Joblink Career Center**  
 V. Wade St.  
 Wadesboro, N.C., 28170  
 704-694-6551  
[www.ansonjoblink.org](http://www.ansonjoblink.org)

*Making a Difference*  
**Anson Bank & Trust**  
 211 S. Greene St.  
 Wadesboro, N.C., 28170  
 704-694-2122  
[www.AnsonBankandTrust.com](http://www.AnsonBankandTrust.com)

**Cobb**  
**Cobb-Vantress**  
 1620 U.S. 52-South  
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