



P.O. Box 41288, Greensboro, NC 27404-1288
Phone (336) 382-9362 www.ecologic-nc.com

DN CARA
0106 - Compost
/TAP
6-4-12
DW

May 31, 2012

Donna Wilson, Solid Waste Section
NCDENR, Div. of Waste Management
1646 Mail Service Center
Raleigh, NC 27699

Caumen Johnson
Fac/Permit/Co ID # 01-06
+18/13
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DIN
Doc ID #



**RE: Renewal of Permit to Operate (Permit No. 01-06)
Carolina Resource Recovery, Mebane, North Carolina**

Dear Ms. Wilson:

On behalf of Steven S. Scott of Mebane, NC, EcoLogic Associates, PC offers this revised permit renewal application for Carolina Resource Recovery, an organic waste management facility. The facility wishes to renew its Permit to Operate, but requests a change in classification from a Large, Type 1 Solid Waste Composting Facility to an LCID Treatment and Processing Facility. A review of past operations revealed that high-rate decomposition (composting) was never implemented due to local market demand for mulch and screened topsoil rather than compost.

In accordance with the requirements outlined in Rule .0301 and current guidance for treatment and processing facilities, and your review comments in an e-mail dated April 26, 2012, the following *updated and revised* information is being provided:

- (1) Permit application narrative;
- (2) Site and operation plans for a treatment and processing facility;
- (3) Figures 1 through 3 to illustrate site utilization;
- (4) Copy of the deed;
- (5) Copy of zoning letter from the Alamance County Planning Dept.; and
- (6) Copy of Certificate of Coverage under NPDES General Permit No. NCG210000.

If there are any questions regarding this letter or the enclosures, please contact the undersigned at (336) 382-9362.

Respectfully submitted,

Mark A. Taylor, PE
Project Consultant

C: Steven S. Scott, Carolina Resource Recovery

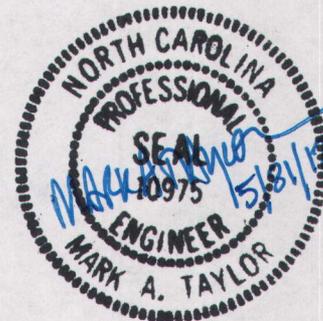
APPLICATION - PERMIT TO OPERATE

CAROLINA RESOURCE RECOVERY **LCID TREATMENT & PROCESSING FACILITY** **MEBANE, NORTH CAROLINA**

November 2011
(Revised May 2012)

Prepared for:

Steven S. Scott
Mebane, North Carolina



Prepared by:



EcoLogic Associates, PC

PO Box 41288
Greensboro, North Carolina 27404
(336) 382-9362



APPLICATION FOR PERMIT TO OPERATE
CAROLINA RESOURCE RECOVERY
LCID TREATMENT & PROCESSING FACILITY

Mebane, NC

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Attachments

LCID Treatment and Processing Facility Operating Plan

Drawings

- Figure 1 Treatment & Processing Areas Layout
- Figure 2 Post-Processing Area Layout
- Figure 3 Site Plan

Appendix

Copy of Deed

Zoning letter from Alamance County Planning Dept., 10/28/11

Certificate of Coverage under NPDES General Permit No. NCG210000

FACILITY OVERVIEW

Name of Facility: Carolina Resource Recovery
Address: 3285 Jones Drive, Mebane, NC 27302
Landowner and FRP: Steven S. Scott, Owner and General Manager
Phone Numbers: (919) 563-3469 (Ofc) (336) 214-7229 (Cell)

The Carolina Resource Recovery facility ("the facility") is a land clearing and inert debris (LCID) treatment and processing operation. The overall operational goal of the facility is to complement the integrated landscape products production and distribution operations of Scott Stone, Inc. The recycled products produced by the facility include high quality mulch and screened topsoil for bulk sale to landscapers and contractors.

It is the intent of the facility to accept land-clearing debris (stumps, trees, limbs), untreated and unpainted wood waste (excluding dimension lumber), uncontaminated pallets (owner-generated only), uncontaminated soil, and storm debris. Yard trash, leaves and other high nitrogen wastes will not be accepted.

LAND USE AND REGULATORY COMPLIANCE

Zoning The site is unzoned. Refer to the attached letter from Jason Martin, Planning Manager, Alamance County Planning Department, dated October 28, 2011.

Watersheds The site is not located in a water supply watershed. Refer to the attached letter from Jason Martin, Planning Manager, Alamance County Planning Department, dated October 28, 2011.

Stormwater

Stormwater leaving the site in existing ephemeral and intermittent streams discharges into an unnamed tributary to Haw Creek (WS-V NSW classification). NCDENR's Division of Water Quality issued a Certificate of Coverage under NPDES General Permit No. NCG210000 (Timber Products Stormwater Discharge) to Carolina Resource Recovery effective February 1, 2012. The general permit expires at midnight on July 31, 2013. The Certificate of Coverage number is NCG210421 and a copy is attached.

SITE DESIGN AND OPERATIONS

The LCID treatment and processing (T&P) area is located in the central portion of the site and occupies about 10.5 acres (see Site Plan and Figure 1). Access to the facility is provided by an all-weather road, which has a secure, gated entrance at Jones Drive.

The facility is situated on the south side of the 59-acre site, opposite low-density residential development to the north. The land to the south of the site (125 acres) is owned and occupied by Scott Stone, Inc., a landscape materials supplier owned by the facility's owner. Land to the east and west is mostly wooded and/or cultivated, i.e., undeveloped. Buffers have been provided as follows: 50 feet from property lines, 1000 feet from the nearest residence, 1000 feet from the nearest well, and 50 feet from streams.

Treatment and processing operations consist of sorting and segregating incoming wastes by type, stockpiling organic waste until enough is on hand for cost-effective grinding by contract, separating soil from stumps, grinding and screening organic wastes, and screening topsoil. The majority of the area is used to segregate incoming wastes prior to processing and to stockpile topsoil and organic wastes prior to grinding. Stockpiles averaging 14 feet high by 30 feet wide at the base are utilized. The design layout calls for 20-foot fire lanes around and between the stockpiles (see Figure 1). An area about 100 feet square is provided in the T&P area for optional organic waste grinding and screening operations.

Though inflow of waste materials to the facility cannot be accurately predicted due to the commercial nature of the operation and the cyclical nature of land development, inflow documented and reported over the last two years suggests that an average inflow for organic wastes of 72 cubic yards per week (the equivalent of 6 tandem axle dump trucks) is reasonable. Land clearing normally experiences seasonal peaks from about March 15 through June 30 and again from about September 1 through November 15. Somewhat less activity occurs during July and August, and very little activity occurs during the winter (November 15 through March 15).

A storage area (about 4.8 acres) is provided in the western portion of the site for processed mulch and/or disaster debris (see Site Plan and Figure 2). The design layout allows for 20-foot fire lanes around and between groupings of windrows (see Figure 2). The processed mulch windrows will be 10 feet wide at the base with 15-foot wide aisles between the windrows. Disaster debris windrows will average 12 feet high by 25 feet wide at the base with 15-foot wide aisles between the windrows. Screening and load-out takes place in a designated area in the eastern portion of the site (about 1.9 acres) near the site entrance.

Stormwater runoff in all operational areas is directed to permanent ditches and diversions that direct it to stormwater BMP's and/or forested riparian buffers.

The facility is operated to minimize dust, noise and vectors. Dust is controlled by the application of water spray on facility roads during hot, dry weather. Waste processing may be postponed during periods of high wind to reduce dusting. Noise is not a problem given the intermittent nature of the operation and the relative isolation of the site. Only a few pieces of conventional heavy equipment operate at the facility, with the exception of a tub grinder that operates 2 or 3 times a year on average. Regarding vectors, the facility staff can facilitate drainage and minimize standing water to reduce the potential for mosquito breeding. The wastes being processed are not likely to attract other vectors since they are not putrescible.

Site personnel consist of the following:

- | | |
|----------------------|--|
| Site Operator: | Supervises site operations and site personnel under the direction of the General Manager. Also controls access and directs vehicles. |
| Equipment Operators: | Operate equipment associated with processing operations. |

A more detailed discussion of facility operations can be found in the attached Operating Plan.

RECORD KEEPING AND REPORTING

Records are kept at the site regarding wastes received and wastes processed and sold (mulch, screened topsoil, etc.). Records include customer or vendor name and address, type and volume of material received and sold, and date of transaction. Copies of all applicable permits (with supporting documentation from approved permit applications) and of approved operating plans will be kept on site.

An annual report is prepared each year for the period July 1 through June 30 and submitted to the Division of Waste Management by August 1. The annual report will document the total quantity and types of waste received, including waste received from local governments, and the quantities of mulch and other products produced and sold. For reporting of volume-based transactions on a weight basis, processed volumes will be converted using a factor of 400 pounds per cubic yard (0.2 tons/CY). The annual report will be submitted on the reporting form provided by the Division of Waste Management for treatment and processing facilities.

OPERATING PLAN

CAROLINA RESOURCE RECOVERY LCID TREATMENT & PROCESSING FACILITY

Mebane, NC

Steven S. Scott, Owner	919-563-3469	Office
	336-214-7229	Cell
	sscott60@triad.rr.com	e-mail
	lscott@scottstone.com	e-mail
Steven S. Scott, Site Operator	336-214-7229	Cell
Emergency Contact (24 Hours)	Steven S. Scott, Owner	
Swepsonville Fire Dept.	336-578-1500	Fire Station
FIRE/RESCUE EMERGENCIES	911	Fire/EMS

Physical Address: 3285 Jones Drive
Mebane, NC 27302

Operating Hours: Mon. – Fri.: 8:00 am – 5:00 pm
Sat.: 7:00 am – 12:00 pm by appointment

1. The facility accepts only the following solid wastes:

Land-clearing debris (stumps, trees, limbs), untreated and unpainted wood waste (excluding dimension lumber), uncontaminated pallets (owner-generated only), uncontaminated soil, and storm debris. Yard trash, leaves and other high nitrogen wastes will not be accepted.
2. The average inflow of organic wastes is 72 cubic yards per week (the equivalent of 6 tandem axle dump trucks) based on historical usage.
3. All unscheduled vehicles entering the facility are directed to the nearby Scott Stone office, where pertinent information is recorded on a ticket and/or customer log, with the hauler name, vehicle type and size, and type of waste materials noted. The office attendant then directs the vehicle driver to the site, where the Site Operator directs the vehicle to the appropriate off-loading area. The Site Operator selects vehicles on a random or targeted basis and conducts an inspection of materials as they are being off-loaded. The visual inspection helps

assure that received materials are compatible with the intent and goals of the facility. Reusable inert materials such as brick or stone may be transported to neighboring Scott Stone, Inc. if a market for such materials exists.

4. Treatment and processing operations consist of sorting and segregating incoming wastes by type, stockpiling organic waste until enough is on hand for cost-effective grinding by contract, separating soil from stumps, grinding and screening organic wastes, and screening topsoil.
5. Land clearing and storm debris and other high C:N wastes are piled in linear stockpiles averaging 14 feet high by 30 feet wide at the base in the treatment and processing areas (see Figure 1). The design layout calls for 20-foot fire lanes around and between the stockpiles (see Figure 1). Some variation in the alignment of stockpiles is expected, but the piles are oriented to provide drainage so water won't pond on the site. Occasionally, the piles are relocated a short distance for the purpose of separating and harvesting topsoil from the partially decomposed wood.

Periodically, when prompted by customer demand, advancing decomposition, and/or site space considerations, all or part of the stockpiled woody debris is ground to create mulch for sale. If necessary, excess processed mulch is transferred to the storage area (see Figure 2). The design layout calls for 20-foot fire lanes around and between groupings of windrows (see Figure 2). The processed mulch windrows will be 10 feet wide at the base with 15-foot wide aisles between the windrows. The storage area will also be used for temporary disaster debris storage when necessary. Disaster debris windrows will average 12 feet high by 25 feet wide at the base with 15-foot wide aisles between the windrows.

Screening and load-out takes place in a designated area in the eastern portion of the site near the site entrance (see Figure 3). If the facility reaches or has reached capacity, waste receipt will be halted until space is available to resume normal operations.

6. All non-conforming waste and non-recyclable material is stored on site in a designated (small) area, then transferred to a roll-off container when sufficient volume accumulates. Any household garbage or other putrescible wastes will be containerized daily and properly disposed of at least weekly. Facility personnel are responsible for transporting all non-conforming wastes to an appropriate and properly permitted solid waste disposal facility.
7. The following equipment is available for use at the facility. Additional equipment and vehicles are available at Scott Stone (contiguous site) for use at the facility as needed.

1999 Extec Screener with vibrating grid and stacking conveyor

1980 Fiat Allis 345-B Loader

Ford 555-B Loader

2007 Case Wheel Loader

1997 John Deere 5300 Tractor with 540 Loader

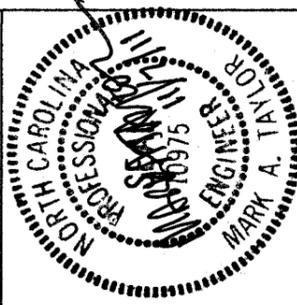
8. The facility entrance is secured by a locked gate to prevent access except when scheduled or when an attendant is on duty, and to prevent unauthorized access at all times. An attendant is on duty at all times the facility is open for public use to prevent acceptance of unauthorized wastes.
9. Access roads are of all-weather construction and are well maintained.
10. Surface water is diverted from the working area at all times. Stormwater BMP's, retention structures, and/or other approved measures are utilized to prevent soil and other pollutants from accessing surface waters and to prevent excessive on-site erosion.
11. A sign is posted at the facility entrance showing the contact name and telephone number in case of an emergency, acceptable wastes and the permit number.
12. Fire, ambulance and police telephone numbers are posted in a place that is readily accessible. The facility personnel are trained in basic on-site fire response procedures and have access to heavy equipment, water and extinguishers to aid in the early suppression of fire. Fire suppression may include isolating and spreading burning material, application of water or chemical suppressant, and/or covering with soil.



ECOLOGIC ASSOCIATES, P.C.
 PO BOX 41288
 GREENSBORO, NC 27404-1288
 PHONE: 336/382-9362
 www.ecologic-nc.com

CAROLINA
 RESOURCE RECOVERY
 MEBANE, NC

PROJECT:



TREATMENT &
 PROCESSING
 AREAS LAYOUT

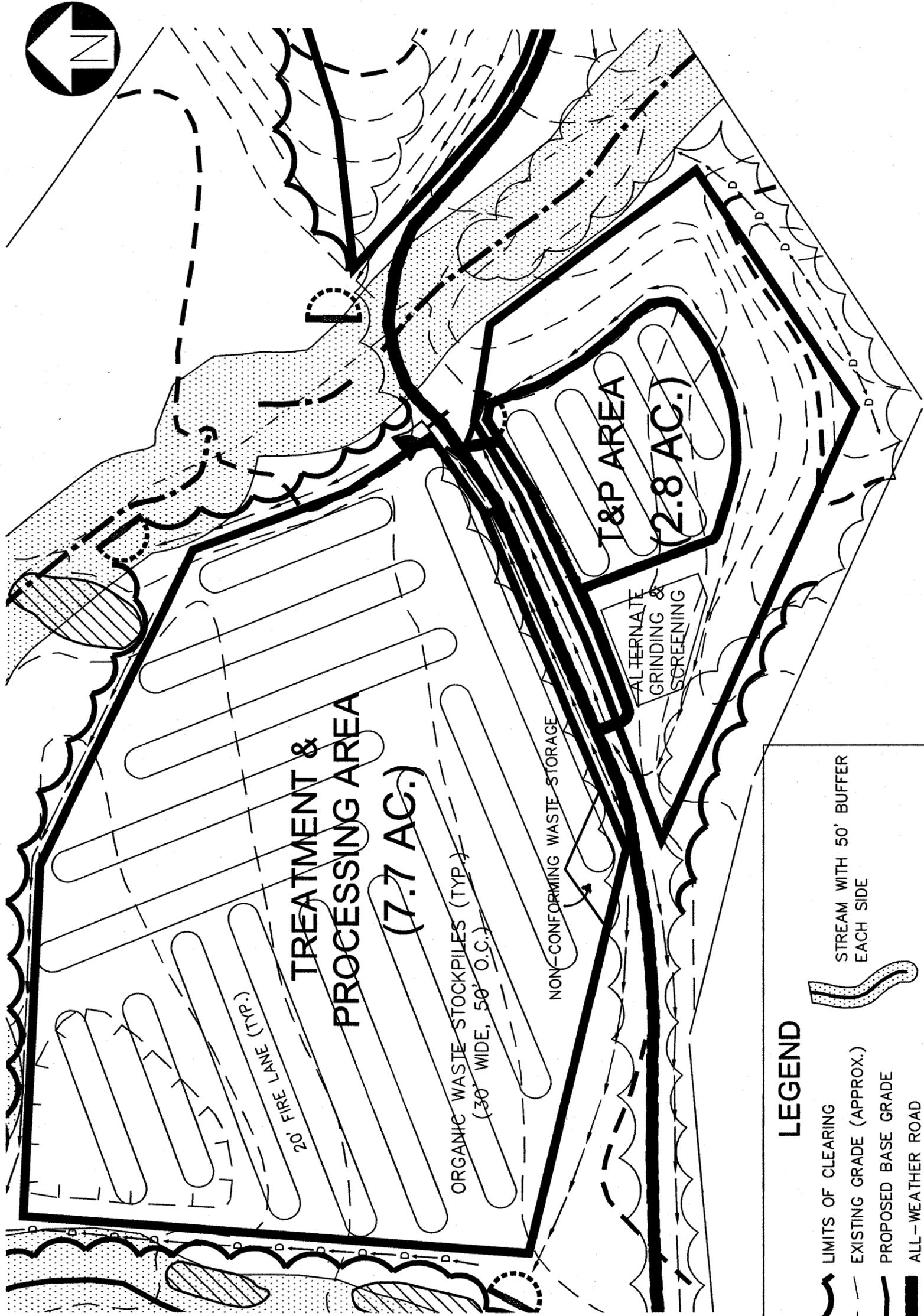
SCALE: 1"=100'
 DATE: 11/1/11
 DRN. BY: MAT
 CHECKED BY:

REVISIONS:

SHEET 1 OF 3

DRAWING

FIGURE 1



LEGEND

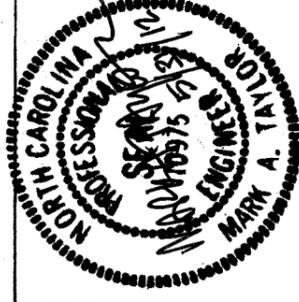
- LIMITS OF CLEARING
- EXISTING GRADE (APPROX.)
- PROPOSED BASE GRADE
- ALL-WEATHER ROAD
- STORMWATER CHANNEL
- PERMANENT DIVERSION
- STREAM WITH 50' BUFFER EACH SIDE
- PROBABLE WETLAND



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CAROLINA
 RESOURCE RECOVERY
 MEBANE, NC

PROJECT:



STORAGE
 AREA LAYOUT

SCALE: 1"=100'
 DATE: 11/1/11
 DRN. BY: MAT
 CHECKED BY:

REVISIONS:
 1 | RENAME DRAWING | 5/24/12

SHEET 2 OF 3

DRAWING

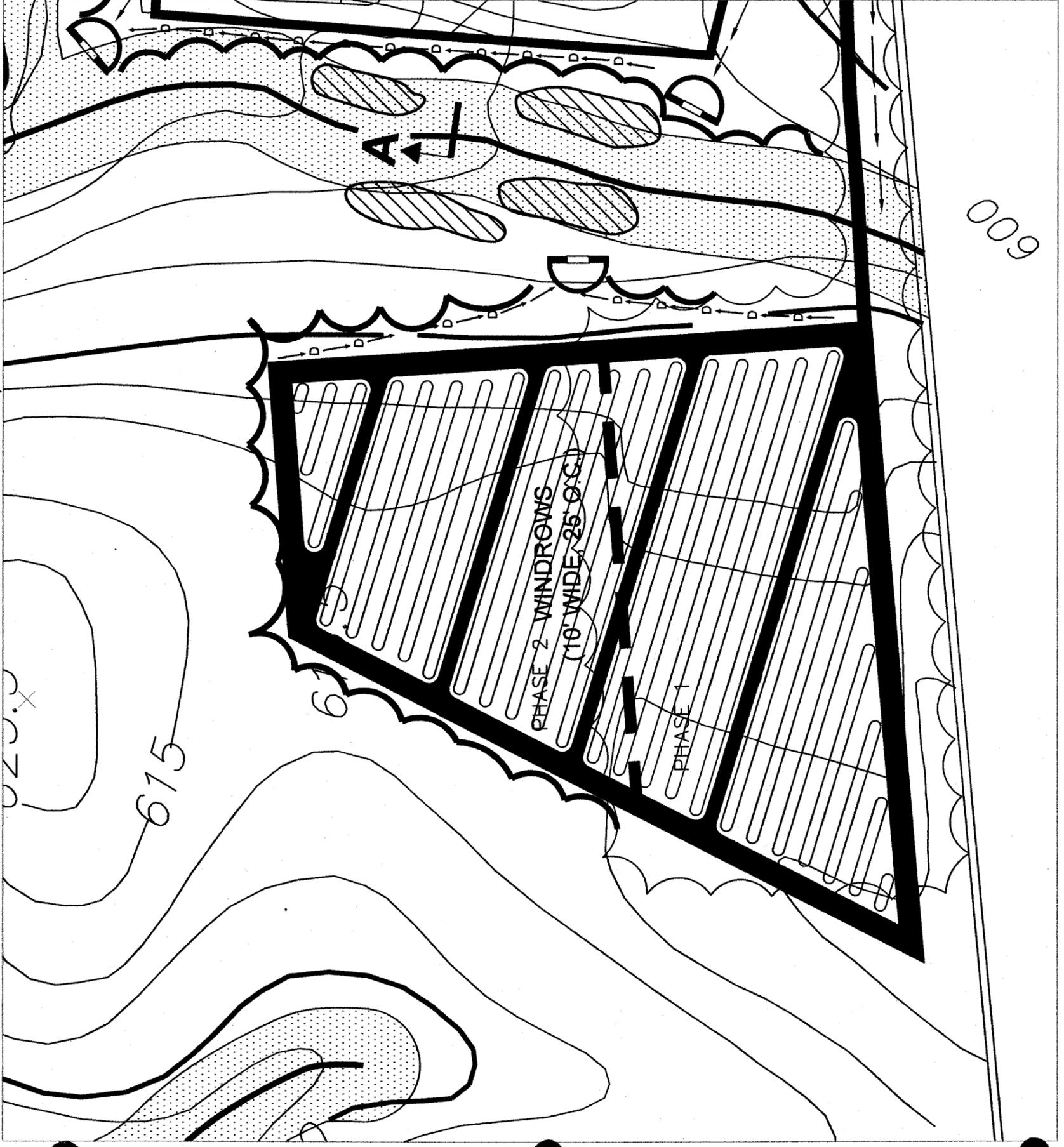
FIGURE 2



NOTES: 1. PHASE 2 IS FOR FUTURE
 EXPANSION AS NEEDED.

LEGEND

- LIMITS OF CLEARING
- EXISTING GRADE (APPROX.)
- ALL-WEATHER ROAD
- STORMWATER CHANNEL
- PERMANENT DIVERSION
- TEMPORARY SEDIMENT TRAP
- STREAM WITH 50' BUFFER EACH SIDE
- PROBABLE WETLAND



Ret-into D&H
#3.00



This Deed was prepared at the request of the Grantor based upon information and property description provided by the Grantor and without title examination, survey, or verification of property description.

Instrument Prepared By:

JOHN H. VERNON, III
Vernon, Vernon, Woolen, Brown, Andrews & Garrett, P.A.
P.O. Box 2958, Burlington, NC 27216-2958

NORTH CAROLINA
ALAMANCE COUNTY

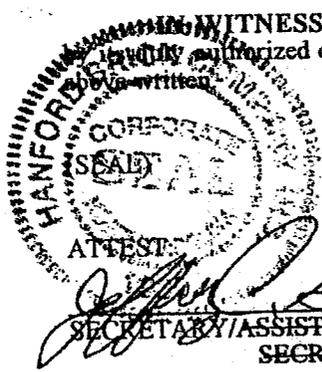
QUITCLAIM DEED

THIS DEED made as of the 29th day of September, 1997 by and between HANFORD BRICK COMPANY, INC., a Corporation organized under the laws of the State of North Carolina, whose address is P.O. Box 1215, Burlington, NC 27216-1215, (the "Grantor") and STEVEN S. SCOTT, whose address is 3285 James Road, Mebane, NC 27302 (the "Grantee"). The designations Grantor and Grantee as used herein shall respectively include said parties, their heirs, successors and assigns.

WITNESSETH THAT the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has remised and released and by these presents does remise, release, forever quitclaim and convey unto the Grantee all of the Grantor's right, title, claim and interest in and to all of the real property located in Alamance County, North Carolina described on Exhibit "A" attached hereto and made a part hereof.

TO HAVE AND TO HOLD the above described real property and all privileges and appurtenances thereto belonging to the Grantee free and discharged from all right, title, claim or interest of the Grantor or anyone claiming by, through or under it.

IN WITNESS WHEREOF, the Grantor has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal affixed by authority of its Board of Directors, the day and year first above written.



HANFORD BRICK COMPANY, INC.

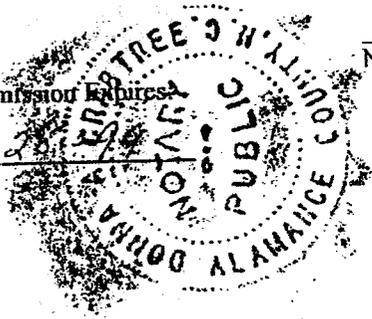
BY: James E. Hanford
JAMES E. HANFORD, PRESIDENT

STATE OF NORTH CAROLINA
COUNTY OF ALAMANCE

I, Donna A. Crabtree, a Notary Public for the above State and County, do hereby certify that JEFFREY C. SMITH personally appeared before me this day and acknowledged that he is Secretary/~~Assistant Secretary~~ of HANFORD BRICK COMPANY, INC., a corporation and that by authority duly given and as the act of the corporation the foregoing Deed was signed in its name by its President, sealed with its corporate seal and attested by himself as its Secretary/~~Assistant Secretary~~.

Witness my hand and notarial seal this the 29 day of Sept., 1997.

My Commission Expires 7-28-99
Donna A. Crabtree
Notary Public



"Exhibit A"

Tract 1: A certain tract or parcel of land lying and being in Thompson Township, Alamance County, North Carolina, more particularly bounded and described as follows:

BEGINNING at a Hickory a common corner between Paul Terrell and Woodrow James and H. A. Scott and running thence with the line of H. A. Scott and Woodrow James, South 54° 51' East 1,555.62 ft. to an iron pipe, said pipe being a common corner between Woodrow James, M. G. Sutton and H. A. Scott; thence South 33° 34' East 116 ft. to an iron pipe; thence South 20° 28' 30" East 75 ft. to an iron pipe; thence South 84° 14' 30" West 311.8 ft. to an iron pipe; thence South 56° 45' West 563.97 ft. to an iron pipe; thence North 65° 36' West 399.34 ft. to an iron pipe; thence North 76° 06' West 256.97 ft. to an iron pipe; thence South 84° 53' West 1,349.95 ft. to an iron pipe in the line between Paul Terrell and H. A. Scott; thence with the line of Paul Terrell and H. A. Scott, North 01° 52' East 1,023.76 ft. to an iron pipe; thence continuing with the line of H. A. Scott and Paul Terrell, North 75° 35' East 1,368.87 ft. to the point and place of BEGINNING. Said tract containing 57.85 acres, more or less.

Tract 2: That certain tract or parcel of land in Thompson Township, Alamance County, North Carolina, adjoining the lands of Woodrow James, Margaret W. Scott, M. G. Sutton and County Road, bounded and described as follows:

BEGINNING at an iron stake, corner with Woodrow James, Margaret W. Scott and M. G. Sutton; running thence with the line of said Sutton and Scott, S. 33 deg. 34' E. 116 feet; thence S. 20 deg. 28' 30" E. 75 feet; thence N. 84 deg. 14' 30" E. 104.50 feet to the center line of County Road No. 2131; thence with the center line of said County Road, N. 7 deg. 04' W. 322.26 feet to a point, corner in the line between Woodrow James and M. G. Sutton; thence S. 43 deg. 26' W. 225 feet to the BEGINNING, containing 0.84 of an acre, more or less. The above description was obtained from a plat and survey made by Wachter Surveys, Inc., Greensboro, N.C., March, 1963.

FILED

BOOK 1115 PAGE 845

97 OCT -6 19:25su

State of North Carolina Alamance County

The foregoing certificate of

Werna Crabtree

A Notary (Notaries) Public of the Designated Governmental units is (are) certified to be correct

This the 6 day of Oct 1987

NADINE S. FUQUA [Signature]
Register of Deeds By Assistant/Deputy

NADINE S. FUQUA
REGISTER OF DEEDS
ALAMANCE COUNTY, N.C.

Alamance County

PLANNING DEPARTMENT
217 College Street, Suite C
Graham, North Carolina 27253
Tel. (336) 228-1312

JASON S. MARTIN
Planning Manager

October 28, 2011

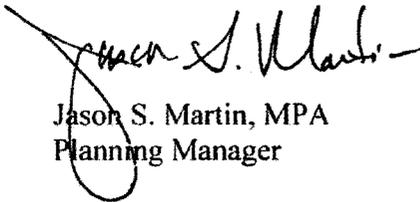
Steven Scott
Carolina Resource Recovery
3285 Jones Dr.
Mebane, NC 27302

RE: Zoning letter for Parcel ID 163061

To whom it may concern:

The property referenced above is not located in a Water Supply Watershed and is presently unzoned. If you have any questions, please call me at (336) 570-4052

Sincerely,



Jason S. Martin, MPA
Planning Manager

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WATER QUALITY

GENERAL PERMIT NO. NCG210000
CERTIFICATE OF COVERAGE No. NCG210421

STORMWATER DISCHARGES

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provision of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

Carolina Resource Recovery, Inc.

is hereby authorized to discharge stormwater from a facility located at

Carolina Resource Recovery
3285 Jones Drive
Mebane, NC
Alamance County

to receiving waters designated as an unnamed tributary to Haw Creek, a class WS-V; NSW water in the Cape Fear River Basin, in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, III, IV, V, and VI of General Permit No. NCG210000 as attached.

This certificate of coverage shall become effective February 1, 2012.

This Certificate of Coverage shall remain in effect for the duration of the General Permit.

Signed this day February 1, 2012.



for Charles Wakild, P.E., Director
Division of Water Quality
By the Authority of the Environmental Management Commission

