



North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

December 07, 2005

Blythe Recycling Facility
Kelly Blythe
P O Box 1636
2024 East Williams Street
Apex NC 27502

Dear Ms. Blythe:

The Division of Waste Management, Solid Waste Section, has reviewed the application you submitted to have your Treatment and Processing Facility, permit number 92-25, re-permitted. We have also visited the site and compared the existing operation to the site plan. Before we can complete our review of your application the following issues must be addressed.

1. The various interior surface water drainage ditches, swales, and diversions must be accurately located on the site plan.
2. The loading platform must be accurately located on the site plan.
3. The existing sedimentation basin and riser must be accurately located on the site plan.
4. Site plan should be relabeled to show the various areas for receiving and processing and the areas for product storage. The current labeling is not being followed.
5. A plan should be submitted for the timely removal of the large piles of dirt on site.

If you have any questions concerning these issues please feel free to contact me at 919-508-8508.

Sincerely,

Ted Lyon, Supervisor
Composting & Land Application Branch

H:CLA/Treat&Pr/Permits/92-wake/Blythe/92-05_reper app rev_12-05

cc
Dennis
Shackelford

F

Blythe Recycling Facility
2024 East Williams Street
Apex, North Carolina 27502
(919) 303-1130

Charles Blythe, Owner
Charles Blythe Equipment Company
(800) 635-0907

WRITTEN OPERATION PLAN

Prepared by:
Kelly Blythe
Blythe Recycling Facility
2024 East Williams Street
Apex, North Carolina 27502
(919) 303-1130



A) Explanation of daily operation and maintenance.

All incoming loads will be inspected prior to grinding. Only untreated wood will be accepted at this facility. All other waste will not be accepted. Visual inspection will be done by site attendant and loader operator. After the incoming load crosses the scales, the load will be directed onto the site by the site attendant. The untreated wood will be unloaded in specific raw materials storage areas at rear of the site impact area as indicated on the site plan and as directed by site attendant. Hardwood material and pine wood material will be separated.

The untreated wood will later be loaded into the Tub Grinder by one of the onsite loaders. Only one tub grinder shall be used at the time. The tub grinder will be portable, and will be moved around the processed stockpile areas as required to process the raw materials and deposit the processed materials within the stockpile.

The mulch will then be transported and stored within the specific hardwood or pine finished materials storage and loading areas closest to the front of the site, near the entrance, for easier access and loading for pickup or shipping off-site. The mulch will be ready for immediate sale to the customer.

The customers will be directed by the site attendant to cross the scales to tare their vehicle. The site attendant will then direct the customer to the area. The vehicle will be loaded as requested. The customer will cross the scales again and pay the scale attendant. If any mulch pile remains static for a month, it will be aerated by moving the pile. At the beginning and end of each day, all litter will be picked up and disposed of by site attendant.

B) Proposed Equipment.

The facility will be equipped with two wheel loaders and one portable Tub Grinder. Only one tub grinder shall be used at this time.

C) Person responsible for operation, contact phone number and address of facility.

Person Responsible for operation: Charles Blythe
Charles Blythe Equipment Co.
700 Hwy 41-Trenton, NC 28585
Contact Phone Number: (800) 635-0907
(919) 303-1130
Address of Facility: 2024 East Williams Street
Apex, NC 27502

D) Control and inspection of incoming waste.

A site attendant will be on site during operational hours. The attendant will direct and visually inspect all incoming loads. Only untreated wood will be accepted at this facility. All other waste will not be accepted. The loader will also visually inspect the load before allowing the incoming trucks on the site.

E) Method of measuring incoming waste.

All loads will cross the scales and be recorded by the scale attendant.

F) Vehicle control and unloading.

All vehicles will be controlled by the site attendant and directional signs located in the facility.

G) Method and sequence of processing the waste.

Since only untreated wood will be accepted at this facility, the entire permitted area will be used for storage of the resulting mulch. The untreated wood will be inspected, weighed, re-inspected during loading into Tub Grinder and stored into piles. Only one tub grinder shall be used at this time. The resulting mulch will be sold. The exiting mulch will be weighed and recorded.

H) Leachate and run-off control measures.

Only untreated wood will be accepted at this facility. Since no solid waste will be accepted, there will be no leachate generated.

I) Description of ultimate use for finished compost.

This facility will not be composting. The ultimate use of the mulch is for sale to general public.

J) Plan for back-up system if poor quality product produced, changes in market conditions develop, equipment failure, or fire/medical emergency.

If the design capacity of the facility is reached, or in any of the above mentioned limitations, the incoming loads of untreated wood will temporarily not be accepted at this facility. Equipment will be repaired as quickly as possible, and fire/emergency officials will be notified immediately. See attached letter from local fire/emergency agency regarding response times. In these cases, the existing mulch piles will be continuously aerated on a monthly basis until normal operations can begin again.

**WRITTEN
REPORT**

A) Anticipated type, source, and composition of waste to be received.

This facility will accept “yard waste” as defined in 15A NCAC 13B .0101(65), which includes yard trash and land clearing debris such as stumps, limbs, leaves, grass and untreated wood for various construction clearing and grubbing activities. No agricultural waste, or materials such as concrete, brick, steel or plastic, etc., shall be accepted at this time. Future permits shall be requested for any items other than untreated wood or yard waste.

B) Provisions to maintain a clean and orderly operation.

i. Effective barrier to prevent unauthorized entry and dumping.

The facility shall utilize fencing, gates and 10-foot high earthen berms. The gates will be kept locked when the facility is closed. During operation hours and attendant will visually observe the incoming loads to prevent the dumping of unauthorized materials.

ii. Signs posted with name of owner, operator, contact person number in case of emergency and hours of operation.

Mulch Facility
Hours of Operation:
7:30 a.m.-6:00 p.m. M-F
Closed Saturday and Sunday

In case of emergency contact:
Charles Blythe
(252) 448-9181
(800) 635-0907

iii. Dust control measures.

The existing entrance is constructed with stone. Dust will be controlled by the watering down of dusty area.

iv. Litter control measures.

Litter will be collected daily by the operator. The owner shall also pick up any trash or litter as needed, and shall be contained within residential sized trash receptacles until taken to the landfill by the owner. In the event, after thorough visual inspection, that any unwanted waste items are deposited on the site, these items shall be disposed of at a local landfill by the owner.

v. Fire protection and control measures.

The local fire department will be notified immediately in case of fire. If the mulch pile is in place for more than a month, it will be turned to prevent fires. The mulch area will have proper access as shown on the facility plan. See attached letter for response times.

vi. Odor control measures and practices.

If necessary, odors will be controlled by the turning of piles.

C) Design capacity of the facility.

The facility is designed for a maximum capacity is 200-350 cy/day, to be received and processed. There are no available records to substantiate the inflow and outflow of materials to amount deponent upon variable market conditions.

D) Composting time duration, time from initiation of the composting process to completion a distribution.

The untreated wood will be chipped into mulch piles that will be ready for sale immediately. There will be no composting at this facility at the present time. There may, however, possibly be composting in the future. Composting permits and responses will be requested/provided as needed at a later date.

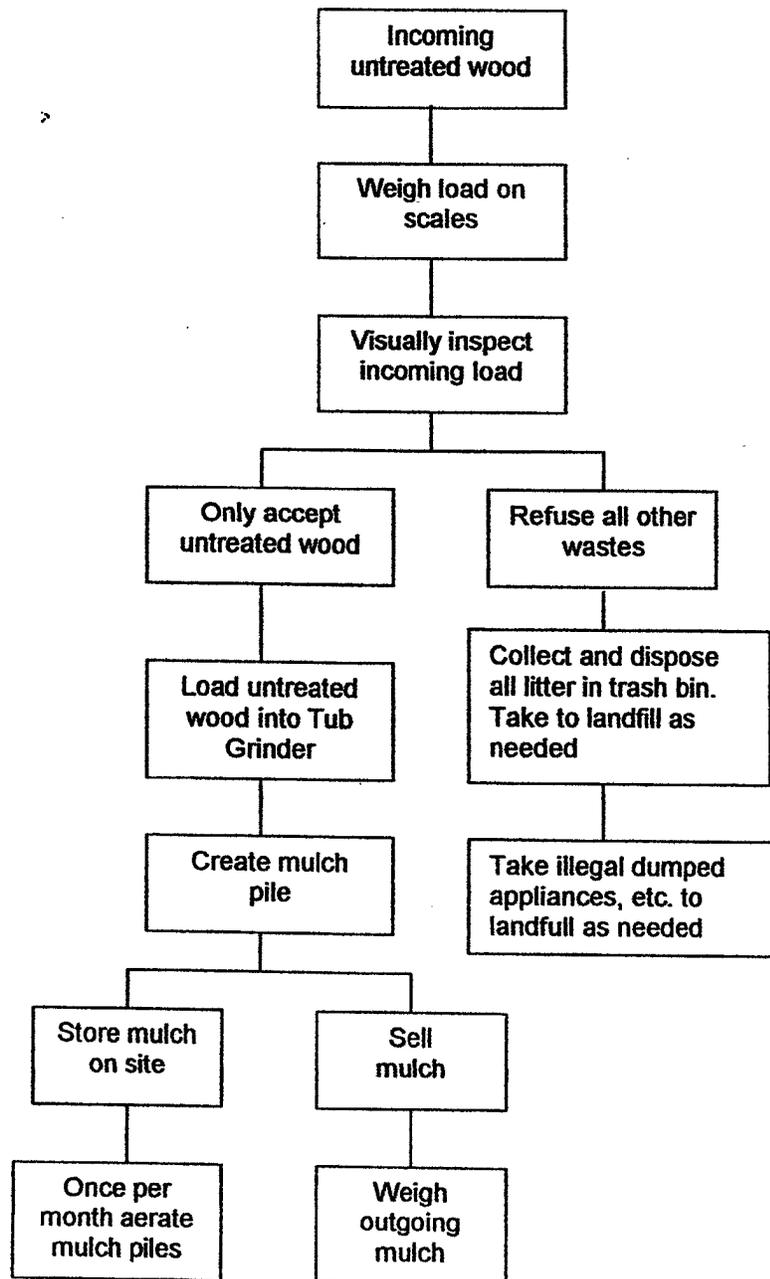
E) For static pile composting, typical windrow construction and aeration configurations.

There will be no static pile composting. The mulch piles will be placed in configurations. This gives easy access for aeration and distribution.

F) Method of aeration, including turning frequency of mechanical aeration equipment and aeration capacity.

If a mulch pile stays on site longer than a month, it will be aerated monthly by a loader. The aeration will be done by moving the mulch pile.

G) For in-vessel composting systems, a process flow diagram of the entire process including all major equipment and flow streams.



H) Personnel required and their responsibilities.

There will be only two permanent employees on the site at any time. There will be two mobile employees that will be on the site as needed for the processing of the stockpiled material. There will be a scale operator responsible for scale operations. There will be a site attendant directing incoming loads. The site attendant will be responsible for visual inspection of incoming untreated wood products, litter control and tub grinder operations. There will be two mobile loader operators responsible for loading final mulch product and visually inspecting and unloading untreated wood. They will also be responsible for aeration of mulch piles.

I) A description and an identification of the surface for proposed site, areas, and depth to season high ground water.

The site has approximately 45' – 50' of relief draining mostly from the southeast to the northwest. The permitted area is approximately 23.5 acres. A licensed Soil Scientist, using random soil auger diggings, measured the actual water table levels. The results of the soil and water table examination have been attached.

J) A description of the composting pad.

There is no composting pad.

K) A description of any monitoring that will occur involving the composting process of the site.

The site will be monitored. Only untreated wood and yard waste will be accepted at the site. If a mulch pile is existing on the site for more than a month it will be aerated. All litter will be picked up of the site daily.

L) Source of waste input.

Wastes will come from construction, clearing and grubbing activities.

BLYTHE RECYCLING FACILITY
2024 E. Williams Street, P.O. Box 1636
Apex, NC 27502
(919) 303-1130

Hours: Monday-Friday 7:30 am-5:30 pm

******TIPPING FEES******

❖	Pickup truck (8' or less)		\$20.00
❖	Small Hand Loaded Trailer (12' or less)	2' Sides or Less	\$28.00
❖	Large Hand Loaded Trailer (12' to 16')	2' Sides or Less	\$40.00
❖	12' Truck/Trailer or Shorter	4' Sides or Less	\$45.00
❖	14' Truck/Trailer or Shorter	4' Sides or Less	\$50.00
❖	16' Truck/Trailer or Shorter	4' Sides or Less	\$58.00
❖	18' Truck/Trailer or Shorter	4' Sides or Less	\$65.00
❖	20' Truck/Trailer or Shorter	4' Sides or Less	\$76.00
❖	24' Truck/Trailer or Shorter	4' Sides or Less	\$83.00
❖	26' Truck/Trailer or Shorter	4' Sides or Less	\$87.00
❖	28' Truck/Trailer or Shorter	4' Sides or Less	\$94.00
❖	30' Truck/Trailer or Shorter	4' Sides or Less	\$115.00
❖	32' Truck/Trailer or Shorter	4' Sides or Less	\$125.00
❖	34' Truck/Trailer or Shorter	4' Sides or Less	\$130.00
❖	36' Truck/Trailer or Shorter	4' Sides or Less	\$150.00
❖	38' Truck/Trailer or Shorter	4' Sides or Less	\$160.00
❖	40' Truck/Trailer or Shorter	4' Sides or Less	\$175.00
❖	45' Truck/Trailer or Shorter	4' Sides or Less	\$200.00

Any trucks with bodies larger than the above listed prices will be measured and charged at \$3.00 per cubic yard. Twenty percent (20%) may be added to the above prices for excessive loading. Any material loaded over 4' high will be considered excessive and is to the discretion to the yard manager.

*Yard Manager shall have sole right to determine pricing of any truck/trailer based on type, size and contents. Our prices are based on the length of the body of the vehicle/size of the load.

**Acceptable Materials: LOGS, STUMPS, LIMBS and BRUSH.

Unacceptable Materials: **NO** treated or painted materials, **NO** C & D materials, grass clippings, leaves or dirt will be accepted in this facility. Customer are responsible for the removal and expense (to remove) of any unacceptable material deposited on the yard.

***Unloading assistance, towing (cable chain hook-up) or pushing is the sole responsibility of the customer.

----There will be an \$8.00 charge for all certified weight tickets----

MULCH/SOIL PRICES WITHOUT SALES TAX

➤	SINGLE SHREDDED MULCH	\$6.00 per cubic yard	\$12.00 Minimum per Load
➤	DOUBLE SHREDDED MULCH	\$10.00 per cubic yard	\$20.00 Minimum per Load
➤	TRIPLE SHREDDED MULCH	\$12.00 per cubic yard	\$24.00 Minimum per Load
➤	CEDAR MULCH	\$25.00 per cubic yard	\$50.00 Minimum per Load
➤	BLACK COMPOST	\$12.00 per cubic yard	\$20.00 Minimum per Load
➤	FILL DIRT	\$5.00 per cubic yard	\$10.00 Minimum per Load

WE HAVE THE RIGHT TO REFUSE ANY CUSTOMER/TRUCK DUE TO QUESTIONABLE CREDIT RATING.

REVISED 10-17-05



P waste
NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT

JAMES B. HUNT JR.
GOVERNOR

September 14, 2000

BILL HOLMAN
SECRETARY

Mr. Charles B. Blythe
Blythe Recycling
P.O. Box 69
Trenton, North Carolina 28585

WILLIAM L. MEYER
DIRECTOR

Dear Mr. Blythe:

Enclosed is your permit to operate a Treatment and Processing Facility in Wake County. Your permit number is 92-25. Please carefully read all permit conditions. Your operation plan, permit application, and the information on the site plan have been incorporated into the permit conditions.

A permit modification will be required to manage any additional types of material. Operation and Maintenance manual modification may be required if significant quantities of any type of waste are added to the waste stream.

Mr. Robert Hearn, Waste Management Specialist, is responsible for inspecting Solid Waste Management activities in Wake County. Mr. Hearn can be contacted at 919-571-4700.

Sincerely,

Ted Lyon, Supervisor
Composting & Land Application Branch

cc: Robert Hearn, Waste Management Specialist, Raleigh Regional Office
Central File, Solid Waste Section

h:cla/Treat&pr/92-wake/Blythe/T&P-92-25-00cl



1646 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1646
401 OBERLIN ROAD, SUITE 150, RALEIGH, NC 27605
PHONE 919-733-4996 FAX 919-715-3605

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
1646 Mail Service Center RALEIGH, N.C. 27699-1646

Blythe Recycling Facility

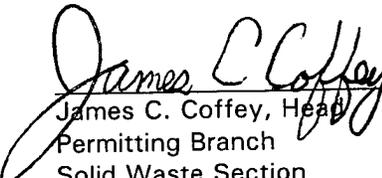
is hereby issued a permit to operate a

Solid Waste Management Processing Facility

At 2024 East Williams Street
Apex, NC

Permit Number 92-25

In accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit.


James C. Coffey, Head
Permitting Branch
Solid Waste Section

9/5/00
Date

Permit Conditions

1. Operation and maintenance of this facility shall be in accordance with the Solid Waste Management Rules (15A NCAC 13B, Section .0202), the permit application and the Operation Plan submitted with the permit application. Failure to comply may result in compliance actions or permit revocation.
2. Any leachate generated at the facility shall be managed in such a manner that there will be no degradation of ground or surface waters.
3. This facility shall be operated in such a manner that soil erosion and runoff from the site shall be controlled. Erosion and runoff control structures shall be in place and approved by the appropriate permitting agency prior to receiving any waste at the facility.
4. The 50-foot property line buffer shall be maintained free of waste and final product.
5. Only materials specifically listed in the permit application may be managed at this facility without adequate testing and prior approval of the Division of Waste Management. Low carbon-nitrogen wastes, such as grass clippings shall not be received at the facility. Any heat generation in excess of 110 degrees Fahrenheit (composting) in any of the piles of material at the facility will be considered a permit violation and shall result in the facility meeting all the requirements of Section .1400 of the Solid Waste Management Rules within 3 months.
6. Non conforming waste received at the facility or removed from final product during screening shall be maintained in an appropriate on-site container or removed from the facility within 24 hours and properly disposed. Contaminated soils may not be managed at this facility.
7. Groundwater monitoring wells may be required if there is indication of the potential for groundwater contamination.
8. This facility shall be operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazard.
9. The amount of waste received and the amount and type of products sold or otherwise distributed shall be reported to the Division of Waste Management by August 1st of each year for the previous July 1 to June 30.
10. This permit shall expire on September 5, 2005. A change in ownership, increase in facility capacity, process changes or receiving additional waste types shall require a permit modification.

Blythe Recycling Facility

**2024 East Williams Street
Apex, North Carolina 27502**

**Charles Blythe, Owner
Charles Blythe Equipment Company
(800) 635-0907**

**WRITTEN
OPERATION
PLAN**

APPROVED
DIVISION OF SOLID WASTE MANAGEMENT
DATE 9/5/2000 BY TL

Prepared by:

Vernon Hershberger
Thompson & Associates
5821 Holly Springs Road
Raleigh, North Carolina 27606
(919) 851-1709

Final Revisions: July 3, 2000

A) Explanation of daily operation and maintenance.

All incoming loads will be inspected prior to grinding. Only untreated wood will be accepted at this facility. All other wastes will not be accepted. Visual inspection will be done by site attendant and loader operator. After the incoming load crossing the scales, the load will be directed onto the site by the site attendant. The untreated wood will be unloaded in specific raw materials storage areas at the rear of the site impact area as indicated on the site plan and as directed by site attendant. Hardwood material and pine wood material will be separated.

The untreated wood will later be loaded into the Tub Grinder by one of the on-site loaders. Only one tub grinder shall be used at this time. The tub grinder will be portable, and will be moved around the processed stockpile areas as required to process the raw materials and deposit the processed materials within the stockpile.

The mulch will then be transported and stored within the specific hardwood or pine finished materials storage and loading areas closest to the front of the site, near the entrance, for easier access and loading for pickup or shipping off-site. The mulch will be ready for immediate sale to the customer.

The customers will be directed by the site attendant to cross the scales to tare their vehicle. The site attendant will then direct the customer to the loading area. The vehicle will be loaded as requested. The customer will cross the scales again and pay the scale attendant. If any mulch pile remains static for a month, it will be aerated by moving the pile. At the beginning and end of each day, all litter will be picked up and disposed of by site attendant.

B) Proposed Equipment.

The facility will be equipped with two wheel loaders and one portable Tub Grinder. Only one tub grinder shall be used at this time.

C) Person responsible for operation, contact phone number and address of facility.

Person Responsible for operation:	Charles Blythe Charles Blythe Equipment company 700 Highway 41 – Trenton, NC 28585
Contact Phone Number:	(252) 448-9181 (800) 635-0907
Address of Facility:	2024 East Williams Street Apex, North Carolina 27502

D) Control and inspection of incoming waste.

A site attendant will be on site during operational hours. The attendant will direct and visually inspect all incoming loads. Only untreated wood will be accepted at this facility. All other wastes will not be accepted. The loader will also visually inspect the load before allowing the incoming trucks on the site.

E) Method of measuring incoming waste.

All loads will cross the scales and be recorded by the scale attendant.

F) Vehicle control and unloading.

All vehicles will be controlled by the site attendant and directional signs located in the facility.

G) Method and sequence of processing the waste.

Since only untreated wood will be accepted at this facility, the entire permitted area will be used for storage of the resulting mulch. The untreated wood will be inspected, weighed, re-inspected during loading into Tub Grinder and stored into piles. Only one tub grinder shall be used at this time. The resulting mulch will be sold. The exiting mulch will be weighed and recorded.

H) Leachate and run-off control measures.

Only untreated wood will be accepted at this facility. Since no solid waste will be accepted, there will be no leachate generated.

I) Description of ultimate use for finished compost.

This facility will not be composting. The ultimate use of the mulch is for sale to the general public.

J) Plan for back-up system if poor quality product produced, changes in market conditions develop, equipment failure, or fire/medical emergency.

If the design capacity of the facility is reached, or in any of the above-mentioned limitations, the incoming loads of untreated wood will temporarily not be accepted at this facility. Equipment will be repaired as quickly as possible, and fire/emergency officials will be notified immediately. See attached letter from local fire/emergency agency regarding response times. In these cases, the existing mulch piles will be continuously aerated on a monthly basis until normal operations can begin again.

WRITTEN

REPORT

A) Anticipated type, source, and composition of waste to be received.

This facility will accept "yard waste" as defined in 15A NCAC 13B .0101(65), which includes yard trash and land clearing debris such as stumps, limbs, leaves, grass and untreated wood from various construction clearing and grubbing activities. No agricultural waste, or materials such as concrete, brick, steel or plastic, etc., shall be accepted at this time. Future permits shall be requested for any items other than untreated wood or yard waste.

B) Provisions to maintain a clean and orderly operation.

i. Effective barrier to prevent unauthorized entry and dumping.

The facility shall utilize fencing, gates and 10-foot high earthen berms. The berms will be kept locked when the facility is closed. During operation hours and attendant will visually observe the incoming loads to prevent the dumping of unauthorized materials.

ii. Signs posted with name of owner, operator, contact person and number in case of emergency and hours of operation.

Mulch Facility
Hours of Operation:
8:00 a.m. – 6:00 p.m. M-F
8:00 a.m. – 12:00 p.m. Saturday
Closed Sunday

In case of emergency contact:
Charles Blythe
(252) 448-9181
(800) 635-0907

iii. Dust control measures.

The existing entrance is constructed with stone. Dust will be controlled by the watering down of dusty area.

iv. Litter control measures.

Litter will be collected daily by the operator. The owner shall also pick up any trash or litter as needed, and shall be contained within residential sized trash receptacles until taken to the landfill by the owner. In the event, after thorough visual inspection, that any unwanted waste items are deposited on the site, these items shall be disposed of at a local landfill by the owner.

v. *Fire protection and control measures.*

The local fire department will be notified immediately in case of fire. If the mulch pile is in place for more than a month, it will be turned to prevent fires. The mulch area will have proper access as shown on the facility plan. See attached letter for response times,

vi. *Odor control measures and practices.*

↳ If necessary, odors will be controlled by the turning of piles.

C) Design capacity of the facility.

The facility is designed for a maximum capacity of 200-350 cy/day, to be received and processed. There are no available records to substantiate the inflow and outflow of materials to amount dependent upon variable market conditions.

D) Composting time duration, time from initiation of the composting process to completion a distribution.

The untreated wood will be chipped into mulch piles that will be ready for sale immediately. There will be no composting at this facility at the present time. There may, however, possibly be composting in the future. Composting permits and responses will be requested/ provided as needed at a later date.

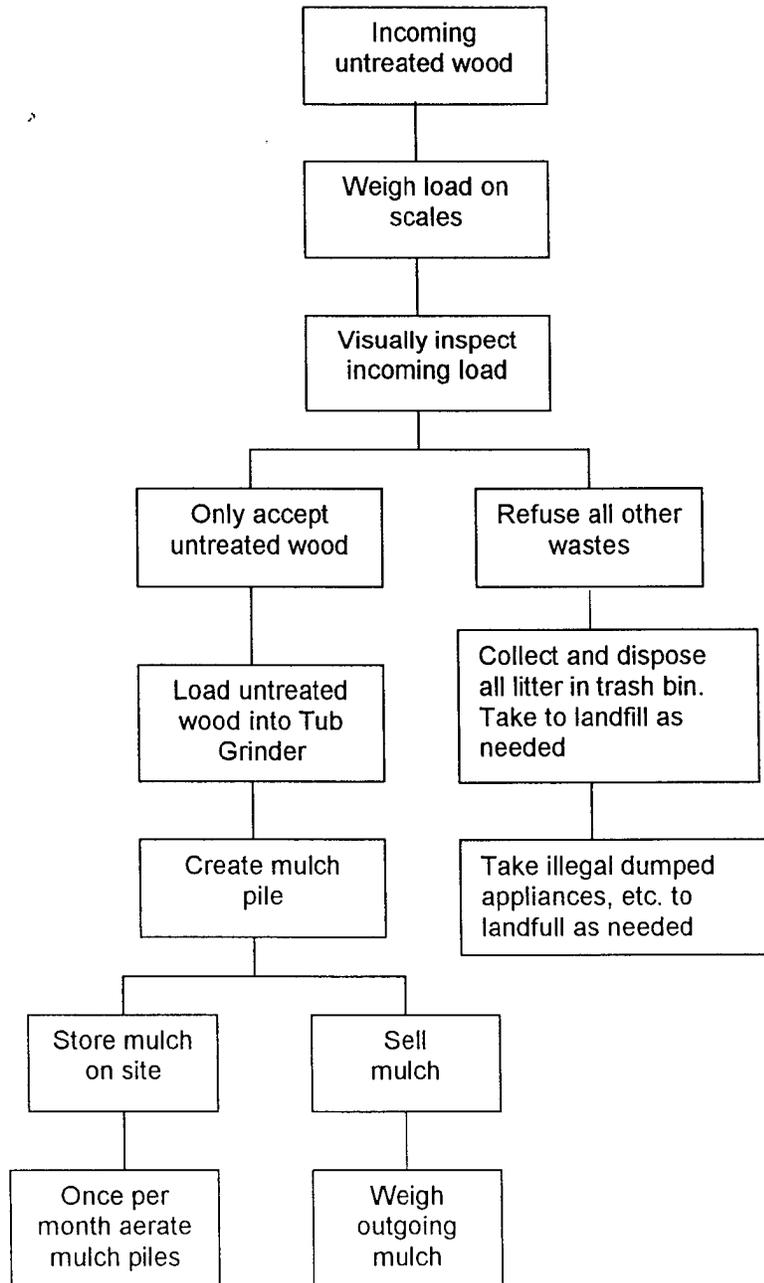
E) For static pile composing, typical windrow construction and aeration configurations.

There will be no static pile composting. The mulch piles will be placed in configurations. This gives easy access for aeration and distribution.

F) Method of aeration, including turning frequency or mechanical aeration equipment and aeration capacity.

If a mulch pile stays on site longer than a month, it will be aerated monthly by a loader. The aeration will be done by moving the mulch pile.

G) For in-vessel composting systems, a process flow diagram of the entire process including all major equipment and flow streams.



H) Personnel required and their responsibilities.

There will be only two permanent employees on the site at any time. There will be two mobile employees that will be on the site as needed for the processing of the stockpiled material. There will be a scale operator responsible for scale operations. There will be a site attendant directing incoming loads. The site attendant will be responsible for visual inspection of incoming untreated wood products, litter control and tub grinder operations. There will be two mobile loader operators responsible for loading final mulch product and visually inspecting and unloading untreated wood. They will also be responsible for aeration of mulch piles.

I) A description and an identification of the surface for proposed site, areas, and depth to season high ground water.

The site has approximately 45' - 50' of relief draining mostly from the southeast to the northwest. The permitted area is approximately 23.5 acres. A licensed Soil Scientist, using random soil auger diggings, measured the actual water table levels. The results of the soil and water table examination have been attached.

J) A description of the composting pad.

There is no composting pad.

K) A description of any monitoring that will occur involving the composting process or the site.

The site will be monitored. Only untreated wood and yard waste will be accepted at the site. If a mulch pile is existing on site for more than a month it will be aerated. All litter will be picked up of the site daily.

L) Source of waste input.

Wastes will come from construction, clearing and grubbing activities.



THOMPSON & ASSOCIATES
5821 Holly Springs Road
Raleigh, North Carolina 27606

Telephone: 919-851-1709 Fax: 919-859-2143

LETTER OF TRANSMITTAL

TED LYON
NCDENR - SOLID WASTE SECTION
401 OBERLIN RD, SUITE 150
RALEIGH, NC 27605

733 - 4996 #253

DATE 8/22/00	JOB NO. CB-Hwy
ATTENTION:	
RE: Blythe Recycling -	
SOILS RE-EVALUATION INFO	
FOR PERMIT APPROVAL	

WE ARE SENDING YOU

Shop drawings
 Copy of letter

Attached Under separate cover via Delivery the following items:

Prints Plans Samples Specifications
 Change order

COPIES	DATE	NO.	DESCRIPTION
4	8/19/00	1	Copy of SOILS RE-EVALUATION LETTER-NEAL FLOYD
4	8/22/00	2	REVISED SITE PLAN - STOCKPILE AREAS

THESE ARE TRANSMITTED as checked below:

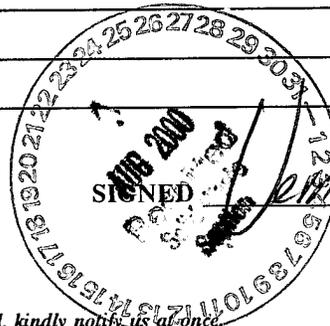
For approval Approved as submitted Resubmit copies for approval
 For your use Approved as noted Submit copies for distribution
 As requested Returned for corrections Return corrected prints

For review and comment
 FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS:

Hopefully this should be EVERYTHING THAT YOU NEED FOR PERMIT APPROVAL

COPY TO _____



Leon Hershberger, P.E.

P LETTER OF TRANSMITTAL



THOMPSON & ASSOCIATES
5821 Holly Springs Road
Raleigh, North Carolina 27606

Telephone: 919-851-1709 Fax: 919-859-2143

TED LYON
NCDENR - SOLID WASTE SECTION
401 OBERLIN RD
SUITE 150
RALEIGH, NC 27605

733-4996# 253

DATE 8/4/00	JOB NO. CB-Hwy
ATTENTION:	
RE: FINAL COPIES - BLYTHE RECYCLING FACILITY	

WE ARE SENDING YOU Attached Under separate cover via DELIVERY the following items:

Shop drawings Prints Plans Samples Specifications
 Copy of letter Change order

COPIES	DATE	NO.	DESCRIPTION
4 EA.	8/4/00	1	ENDANGERED SPP. HABITAT LETTER
4 EA.		2	UPDATED WRITTEN REPORT
4 EA.		3	CHECKLIST
4 EA.		4	SEDIMENTATION & EROSION CONTROL CERTIFICATE OF COMPLIANCE
4 EA.		5	RARE/ENDANGERED SPP. CORRESPONDENCE - NCDENR
4 EA.		6	ARMY CORE OF ENGINEERS JURISDICTIONAL DETERMINATION
4 EA.	✓	7	SOILS MAP & 1ST SOIL SCIENTIST SITE EVALUATION

THESE ARE TRANSMITTED as checked below:

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit <input type="checkbox"/> copies for approval |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit <input type="checkbox"/> copies for distribution |
| <input checked="" type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return <input type="checkbox"/> corrected prints |
| <input type="checkbox"/> For review and comment | _____ | |
| <input type="checkbox"/> FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US | | |

REMARKS: 8. CORRESPONDENCE W/ ARMY CORE OF ENGINEERS - 4 EA
 9. WAKE CO. BD. OF COMMISSIONERS REZONING APPEAL - 4 EA.
 10. NCDOT VARIANCE APPROVAL & RELATED CORRESPONDENCE 4-EA
 11. Copy of Property Deed - 4 EA. - LEGAL DESCRIPTION
 12. FIRE PROTECTION CORRESPONDENCE - 4 EA.
 13. FEMA MAP - FLOODPLAIN INFO - 4 EA.

COPY TO *14. 1ST SOILS EVALUATION MAP
 *15. 1ST SITE PLAN

SIGNED Vernon Neushy

If enclosures are not as noted, kindly notify us at once.

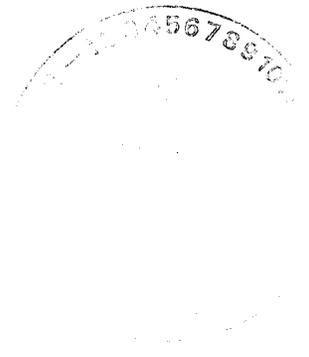
* SUBJECT TO CHANGE PER RE-EVALUATION BY NEAL FLOYD.
 ... UPDATED MAPS FORTHCOMING.



THOMPSON & ASSOCIATES

5821 Holly Springs Road
Raleigh, NC 27606

P



July 3, 2000

Ted Lyon
NCDENR
Solid Waste Section
401 Oberlin Road
Suite 150
Raleigh, NC 27605

Re: May 3, 2000 Comment Responses –
Blythe Recycling Facility

Dear Ted,

This letter is to provide written responses in relation to your May 3, 2000 comments and request for information. The comment responses are as follows:

1. The written report has been modified to provide more specific information as to how any unacceptable wastes received at the facility will be managed, including how litter collected by the operator shall be managed.
2. No dumpster shall be located on the site at this time. Therefore, no dumpster is located on the site plan. Any inadvertent litter or large waste items shall be picked up, if and as needed, and taken to the landfill by the owner.
3. More specific information has been provided within the written report as to where materials will be unloaded at the facility and where grinding will occur. Alternate grinder locations have been indicated on the site plan.
4. Information regarding endangered species or critical habitats was previously faxed to your attention. A copy of this letter has been attached for your use.

I am aware that the 30-day public comment period is completed and that there were no further comments that need to be addressed for the permit approval. This should address all of your needed information and comments. Please do not hesitate to contact me if you need anything further.

Sincerely,

Vernon Hershberger
Registered Landscape Architect

Vh

LETTER OF TRANSMITTAL



THOMPSON & ASSOCIATES
5821 Holly Springs Road
Raleigh, North Carolina 27606

Telephone: 919-851-1709 Fax: 919-859-2143

TED LYON
NCDENR - SOLID WASTE SECTION
401 OBERLIN ROAD
SUITE 150
RALEIGH, NC 27605

DATE 7/3/00	JOB NO. CB-Hwy
ATTENTION:	
RE: Blythe Recycling Facility Revisions	

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

Shop drawings Prints Plans Samples Specifications

Copy of letter Change order _____

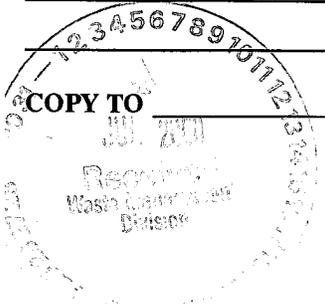
COPIES	DATE	NO.	DESCRIPTION
1	7/3/00	1	Comment Responses per Your May 3, 2000 letter
1	4/19/00	2	Copy of Endangered species letter
1	7/3/00	3	Updated Written Report
1	7/3/00	4	Revised Overall Site Drawing

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit ___ copies for approval
- For your use Approved as noted Submit ___ copies for distribution
- As requested Returned for corrections Return ___ corrected prints
- For review and comment _____

FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS: An updated site map referring to unsuitable soil re-evaluation is forthcoming. I wanted the final information to already be in the final review process while I am waiting on the soils update. I should have the map soon.



SIGNED Jason Hensley



Invoice
for

P

LEGAL ADVERTISING

remit to:

LEGAL A/R DEPT.
P.O. BOX 2885
RALEIGH, NC 27602

ACCOUNT NUMBER

73349961

ACCOUNT NAME

NC DEPT OF EHNR

FOR CUSTOMER SERVICE:

829-4668

DATE BILLED

05/15/00

BILLED TO:

NC DEPT OF EHNR
DIVISION OF SOLID WASTE MGMT.
401 OBERLIN ROAD
ATTN: CRYSTAL
RALEIGH NC 27605-0000

COPY
Original in accounting file

INVOICE NR	PUBLICATION DATE	DESCRIPTION	SPACE	RATE	COST
T4EQ6B501	05/14/00	RECYCLING FACILITY/ APEX / P	77.0L	3.83	294.91
INVOICE AMOUNT DUE					\$294.91

Note: We are exempt from backup withholding. Our Corporate ID is 56-0338580.

paid 5/22/00 - CG# 3588

APPROVED FOR PAYMENT
[Signature]

DUE UPON RECEIPT

AFFIDAVIT OF PUBLICATION

NORTH CAROLINA.
Wake County.) Ss.

Public Notice
North Carolina Department
of Environment and
Natural Resources
Division of Waste Management
Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, NC 27605-1350

Notice of public comment period on application for a permit by Charles Blythe Equipment Company to operate a recycling facility in Apex, Wake County. The application is being submitted in accordance with Section 1400 of the Solid Waste Management Rules. The plant is located at 2024 East Williams Street in Apex.

The facility will be owned and operated by Charles Blythe Equipment Company of 700 Highway 41, Trenton, North Carolina, 28585. The material to be recycled at the facility is "yard waste" as defined in 15A NCAC 13B .0101(65), which includes yard trash and land clearing debris such as stumps, limbs, leaves, grass and untreated wood from various construction clearing and grubbing activities. No agricultural waste or materials such as concrete, brick, steel or plastic, etc. shall be accepted at this time. Future permits shall be requested for any items other than untreated wood or yard waste.

A 30 day comment period will begin on Monday, May 15th and end on Thursday, June 15th. Persons wishing to comment should submit their comments in writing to the division contact, Ted Lyon, North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section, 401 Oberlin Road, Suite 150, Raleigh, North Carolina 27605-1350. Written comments must refer specifically to the proposed Blythe Recycling Facility.

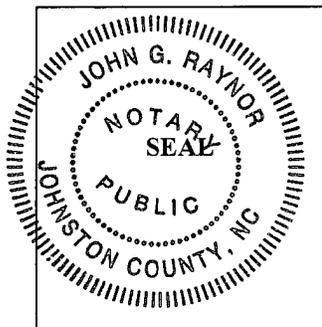
All information submitted by Charles Blythe Equipment Company is available as part of the administrative record and may be viewed between 9 a.m. and 4 p.m., Monday through Friday, at the Division of Waste Management Office in Raleigh. It will be necessary to telephone 919-733-0692, extension 310 to schedule an appointment in Raleigh.

N&O: May 14, 2000

Before the undersigned, a Notary Public of Johnston County North Carolina, duly commissioned and authorized to administer oaths, affirmations, etc., personally appeared Debra Peebles who, being duly sworn or affirmed, according to law, doth depose and say that she is Billing Manager-Legal Advertising of THE NEWS AND OBSERVER PUBLISHING COMPANY a corporation organized and doing business under the Laws of the State of North Carolina, and publishing a newspaper known as THE NEWS AND OBSERVER, in the City of Raleigh, County and State aforesaid, the said newspaper in which such notice, paper, document, or legal advertisement was published was, at the time of each and every such publication, a newspaper meeting all of the requirements and qualifications of Section 1-597 of the General Statutes of North Carolina and was a qualified newspaper within the meaning of Section 1-597 of the General Statutes of North Carolina, and that as such she makes this affidavit; that she is familiar with the books, files and business of said corporation and by reference to the files of said publication the attached advertisement for NC DEPT OF EHNHR was inserted in the aforesaid newspaper on dates as follows: 05/14/00

Account Number: 73349961

The at _____ from the books and files of the aforesaid Corporation and publication.



A handwritten signature in cursive script, appearing to read "Debra Peebles".

Billing Manager-Legal Advertising

Sworn or affirmed to, and subscribed before me, this
16 day of MAY, 2000 AD

In Testimony Whereof, I have hereunto set my hand
and affixed my official seal, the day and year aforesaid.

A handwritten signature in cursive script, appearing to read "John G. Raynor".

Notary Public

My commission expires 2nd day of July 2000

Public Notice
 North Carolina Department
 of Environment and
 Natural Resources
 Division of Waste Management
 Solid Waste Section
 401 Oberlin Road, Suite 150
 Raleigh, NC 27605-1350

Notice of public comment period on application for a permit by Charles Blythe Equipment Company to operate a recycling facility in Apex, Wake County. The application is being submitted in accordance with Section 1400 of the Solid Waste Management Rules. The plant is located at 2024 East Williams Street in Apex.

The facility will be owned and operated by Charles Blythe Equipment Company of 700 Highway 41, Trenton, North Carolina, 28585. The material to be recycled at the facility is "yard waste" as defined in 15A NCAC 13B .0101(65), which includes yard trash and land clearing debris such as stumps, limbs, leaves, grass and untreated wood from various construction clearing and grubbing activities. No agricultural waste or materials such as concrete, brick, steel or plastic, etc. shall be accepted at this time. Future permits shall be requested for any items other than untreated wood or yard waste.

A 30 day comment period will begin on Monday, May 15th and end on Thursday, June 15th. Persons wishing to comment should submit their comments in writing to the division contact, Ted Lyon, North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section, 401 Oberlin Road, Suite 150, Raleigh, North Carolina 27605-1350. Written comments must refer specifically to the proposed Blythe Recycling Facility.

All information submitted by Charles Blythe Equipment Company is available as part of the administrative record and may be viewed between 9 a.m. and 4 p.m., Monday through Friday, at the Division of Waste Management Office in Raleigh. It will be necessary to telephone 919-733-0692, extension 310 to schedule an appointment in Raleigh.

N&O: May 14, 2000

Revise

\$294.91

2000

ATTN: PAM N+O
829-4824

Public Notice
North Carolina Department
of Environment and
Natural Resources
Division of Waste Management
Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, NC 27605-1350

Notice of public comment period on application for a permit by Charles Blythe Equipment Company to operate a recycling facility in Apex, Wake County. The application is being submitted in accordance with Section 1400 of the Solid Waste Management Rules. The plant is located at 2024 East Williams Street in Apex.

The facility will be owned and operated by Charles Blythe Equipment Company of 700 Highway 41, Trenton, North Carolina, 28585. The material to be recycled at the facility is "yard waste" as defined in 15A NCAC 13B .0101(65), which includes yard trash and land clearing debris such as stumps, limbs, leaves, grass and untreated wood from various construction clearing and grubbing activities. No agricultural waste or materials such as concrete, brick, steel or plastic, etc. shall be accepted at this time. Future permits shall be requested for any items other than untreated wood or yard waste.

A 30 day comment period will begin on Monday, May 15th and end on Thursday, June 15th. Persons wishing to comment should submit their comments in writing to the division contact, Ted Lyon, North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section, 401 Oberlin Road, Suite 150, Raleigh, North Carolina 27605-1350. Written comments must refer specifically to the proposed Blythe Recycling Facility.

All information submitted by Charles Blythe Equipment Company is available as part of the administrative record and may be viewed between 9 a.m. and 4 p.m., Monday through Friday, at the Division of Waste Management Office in Raleigh. It will be necessary to telephone 919-733-0692, extension 310 to schedule an appointment in Raleigh.

N&O: May 14, 2000

(should read Section 1400)

looks ok:
send back

- a) fixed/rev copy
- b) cost of ad.

(scribble in margin; don't need invoice.)

Thanks!



D

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT

May 3, 2000

JAMES B. HUNT JR.
GOVERNOR

BILL HOLMAN
SECRETARY

WILLIAM L. MEYER
DIRECTOR

Mr. Vernon Hershberger
Thompson & Associates
5821 Holly Springs Road
Raleigh, North Carolina 27606

Dear Mr. Hershberger:

The Division of Waste Management, Solid Waste Section, has reviewed the application you submitted for a permit for Blythe Recycling Facility near Apex, NC. The following additional information needs to be provided before we can complete our review of the application.

1. The application needs to provide more specific information on how any unacceptable wastes received at the facility will be managed. This should include how litter that is collected by the operator will be managed.
2. If a dumpster or other container is located on the facility, for the materials noted in item 1, the location of the container should be noted on the site plan.
3. More specific information needs to be provided on where material is unloaded at the facility and where grinding will occur. This should include noting if there may be multiple grinder locations.
4. Specific information needs to be provided indicating whether there are any endangered species or critical habitats on this site. If the site was previously disturbed, a statement to that affect should be provided in the application.

A 30-day public comment period will be provided. Any comments received during that period may result in the need for additional information.

A site visit by section staff will be scheduled in the coming weeks. You will be notified prior to that visit.

If you have further questions, please feel free to contact me at 919-733-0692, extension 253.

Sincerely,

Ted Lyon, Supervisor
Composting & Land Application Branch

h:cla/Treat&pr/92-wake/Blythe/Hwy55-apprev



1646 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1646
401 OBERLIN ROAD, SUITE 150, RALEIGH, NC 27605
PHONE 919-733-4996 FAX 919-715-3605

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER



THOMPSON & ASSOCIATES

5821 Holly Springs Road
Raleigh, NC 27606

April 14, 2000

Ted Lyon
NCDENR
Solid Waste Section
401 Oberlin Road
Suite 150
Raleigh, NC 27605

Re: Threatened or Endangered Species Habitat Status –
Blythe Recycling Facility

Dear Ted,

This letter is to inform and clarify any questions you may have regarding the status of any plant species that may or may not exist on the Blythe property on Highway 55 in Apex. The property was thoroughly timbered and cleared where only the existing soil and low stumps remained. No existing vegetation remained on the site. This process occurred prior to any plan development and approval processes were begun.

Also, according to an October 14, 1998 letter from Susan Reece Giles of the NCDENR Natural Heritage Program, there were no records of any threatened or endangered plant or wildlife species on the site during the time when the notification approval process was underway. This information was recently submitted to you with our permit approval request.

Due to the above items, and the fact that work has recently begun under the current solid waste notification, there are no remaining areas that would support suitable habitat for any threatened or endangered plant species.

I hope this information, together with your upcoming "minor comments" that you will be sending me upon your return to the office during the week of April 24, 2000, should be sufficient to issue a solid waste permit for the operation of Blythe Recycling Facility. I will be awaiting your comments and will respond accordingly at that time. If I can be of any further assistance, please do not hesitate to contact me.

Sincerely,

Vernon Hershberger
Registered Landscape Architect

Vh

Cc: Charles Blythe, Owner
Blythe Recycling Facility



LC10

TED

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

April 1, 1999

Mr. Charles Blythe
Blythe Recycling Facility
700 Highway 41
Trenton, North Carolina 28585

Re: Land Clearing Debris Treatment and Processing Notification

Dear Mr. Blythe:

The Solid Waste Section has reviewed your Land Clearing Debris Treatment and Processing notification. The facility shall operate in accordance with 15 NCAC 13B .0300, the enclosed siting and operational requirements and the information provided on the site plan and on the notification form.

Facilities operating under a treatment and processing notification are allowed to receive:

- a) Land clearing waste: to include stumps, tree trunks, limbs and leaves.
- b) High carbon nitrogen ratio yard trash that results from landscaping and yard maintenance such as brush and tree limbs. Grass clippings or similar materials with low carbon nitrogen ratios may not be received.

If the amount of material that is being processed per quarter or stored at any one time exceeds 6,000 cubic yards or if the land area involved exceeds two acres, you must cease receiving waste until you obtain a permit. If heat is generated through composting in piles of materials you must obtain a permit to operate a solid waste compost facility or alter your process. If odors or vector problems are created by the operation of this facility, prompt, successful corrective actions shall be taken.

If you have questions or if we can be of further assistance, please do not hesitate to contact the Regional Waste Management Specialist, Mark Fry at (910) 486-1191.

Sincerely,

Dexter Matthews, Chief
Solid Waste Section

cc: Mark Fry, Waste Management Specialist
Terry Dover, Eastern District Supervisor
Vernon Hershberger, Thompson & Associates
Central File

h:cla/treat&pr/92-wake/Blythe Recycling



DRAFT

LAND CLEARING DEBRIS TREATMENT AND PROCESSING FACILITY ANNUAL NOTIFICATION FORM

Pursuant to 15A NCAC 13B, the landowner(s) and operator(s) of any Land Clearing Waste Treatment and Processing Facility that is under two acres in size and processes and stores less than 6000 cubic yards per quarter shall annually submit this notification form to the Division of Waste management, Solid Waste Section, prior to constructing or operating the facility.

Facility Name: Blythe Recycling Facility
Street Address of Facility: 2024 East William Street
City: Apex, NC County: Wake Zip: 27502
Directions to Site: See attached map

The land on which this landfill is located is described in the deed recorded in:
1393/843/1375
Deed Book: 989/1997/1996 Page: _____ County: Wake

Name of landowner: Charles Blythe, Charles Blythe Equipment Co.
Mailing address of land owner: 700 Highway 41
City: Trenton State: NC Zip: 28585

Land owner telephone number: 800/635/0907 If the land is owned by more than one person, attach additional sheets with the name, address, and phone number of all additional landowners.

Name of operator: Charles Blythe
Trade or business name of operator: Charles Blythe Equipment Co.
Mailing address of operator: 700 Highway 41
City: Trenton State: NC Zip: 28585
Telephone number of operator: (800) 635-0907

If the facility is operated by more than one person, attach additional sheets with the name, address, and phone number of all additional operators.

INSTRUCTIONS

Purpose: Annual Notification of Land Clearing and Inert Debris Landfills under two (2) acres in size is required under 15 NCAC 13B .0563(2)(a). Contact the Solid Waste Section at the address below for further information.

Distribution: Mail completed recorded original notification to the following address:

Division of Waste Management
Solid Waste Section
PO Box 29603
Raleigh, North Carolina 27611-9603
(919) 733-0692

Disposition: This form will be transferred to the State Records Center when reference value ends. Records will be held for agency in the State Records Center five (5) additional years and then transferred to the custody of the Archives.

DRAFT

Certification by Private or Corporate Land Owner:

I certify that the information provided by me in this notification is true, accurate, and complete to the best of my knowledge. The facility siting and disposal operations of this Land Clearing & Inert Debris Facility will comply with the requirements of Section .0300 of 15A NCAC 13B, North Carolina Solid Waste Management Rules. The facility and its operations shall also comply with all applicable Federal, State, and Local laws, rules, regulations, and ordinances. Where the operator is different from the landowner, I, the landowner, have knowledge of the operator's plans to manage solid waste on the land and I specifically grant permission for the operation of the facility. I understand that both the landowner and operator are jointly and severally liable for improper operations as provided for by North Carolina General Statute 130A-309.27. I further understand that North Carolina General Statute 130A-22 provides for administrative penalties of up to five thousand dollars (\$5,000.00) per day per each violation of the Solid Waste Management Rules. I further understand that the Solid Waste Management Rules may be revised or amended in the future and that facility siting and operations will be required to comply with all such revisions or amendments.

DRAFT

DRAFT

CHARLES Blythe
Print Name (Owner)

Charles Blythe
Signature (Owner)

3/8/99
Date

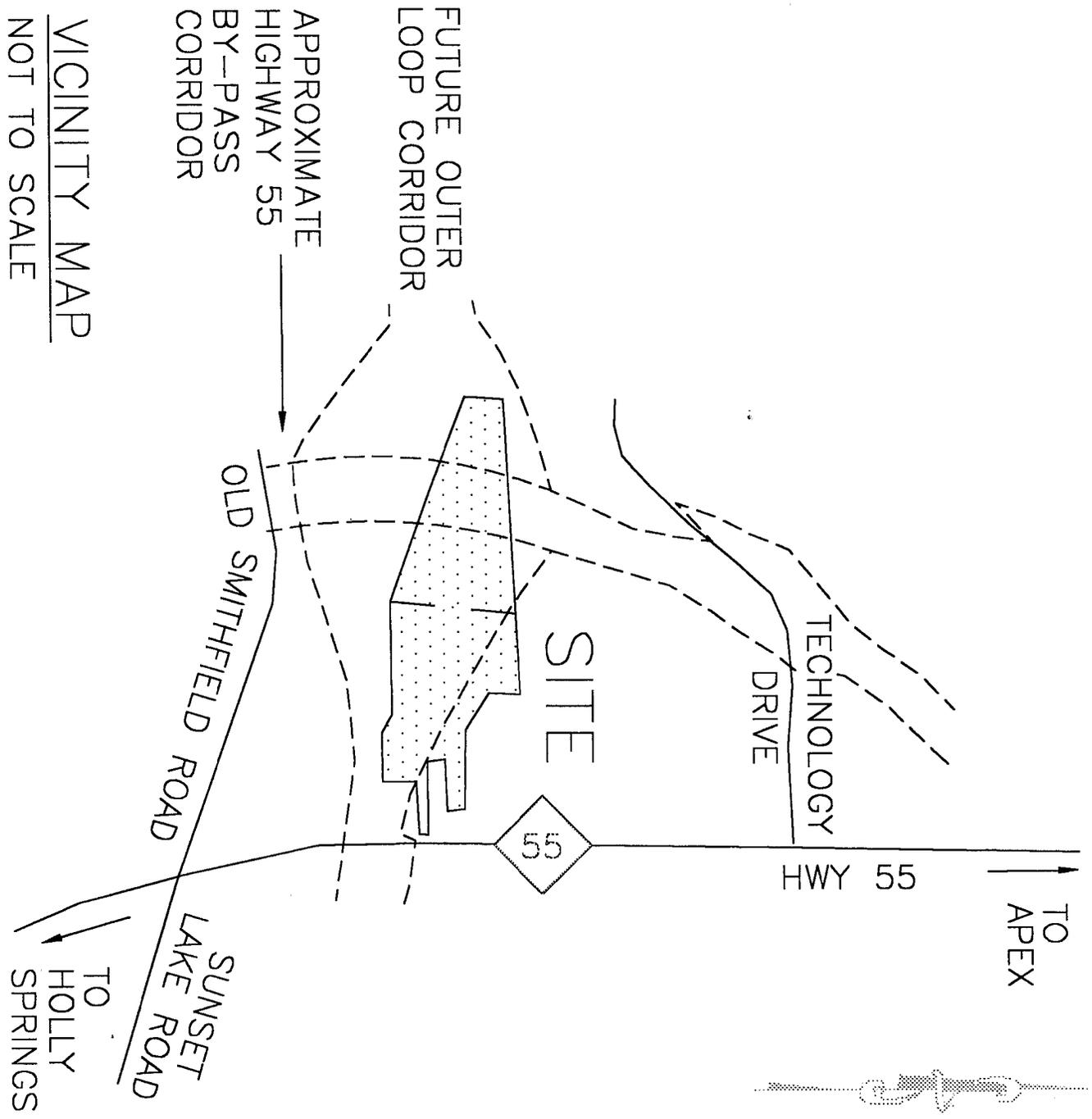
Corporate Title (if applicable)

North Carolina County
I, Deuse Mallard, a Notary Public for said County and State, do hereby certify that Charles B. Blythe personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 8th day of March, 19 99
(Official Seal) Deuse B. Mallard
Notary Public

My commission expires June, 21, 2003

VICINITY MAP
NOT TO SCALE



North Carolina Department of Environment and Natural Resources
Division of Waste Management
Solid Waste Section

YARD WASTE FACILITY NOTIFICATION
(Effective February 1, 1991)

Pursuant to 15A NCAC 13B .1402(g)(3), the owner or operator of any Type 1 Solid Waste (yard waste) facility which processes and stores less than 6,000 cubic yards of material quarterly shall submit this form to the Department on an annual basis.

1. Site Name: BLYTE RECYCLING FACILITY
2. Facility location (main entrance): 2024 EAST WILLIAMS STREET (HWY 55)
City: APEX, NC County: WAKE Zip: 27502
3. Name of site operator: CHARLES BLYTE, CHARLES BLYTE EQUIPMENT CO
4. Mailing address of site operator: 700 HIGHWAY 41
City: TRENTON State: NC Zip: 28585
5. Telephone number of site operator: (800) 635-0907
6. Name of property owner (if different): SAME
7. Mailing address of owner: SAME AS ABOVE
City: _____ State: _____ Zip: _____
8. Telephone number of owner: (SAME)
9. Type of waste received [i.e., leaves, grass clippings, land clearing debris (wood, stumps, etc.)]: UNTREATED WOOD DEBRIS, STUMPS ETC., FROM CONSTRUCTION, CLEARING AND GRUBBING ACTIVITIES.
10. Amount of waste received quarterly: < 6,000 CY / QUARTER
11. Amount of waste removed quarterly: < 6,000 CY / QUARTER

IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS

- 12.* Description of composting process to be used: THERE WILL BE NO COMPOSTING OF MATERIAL ON THE SITE AT THIS TIME. THE UNTREATED WOOD WILL BE CHIPPED INTO MULCH PILES. THERE WILL BE NO STATIC PILE COMPOSTING. ANY FUTURE COMPOSTING WILL BE REQUESTED AND PERMITTED SEPARATELY AT A LATER DATE.
- 13.* Intended distribution of finished product: THE MULCH WILL BE SOLD ON-SITE TO THE GENERAL PUBLIC.

14. Certification:

To the best of my knowledge and belief, I certify the information provided in this notification is true, accurate, and complete. Furthermore, I understand the operational and setback requirements of Small Type 1 Compost (yard waste) facilities as outlined in .1406 and .1404(a)(1)-(9) of the Solid Waste Compost Rules.

CHARLES Blythe
Name of Authorized Agent

Charles B. Blythe
Signature

2-8-99
Date

(SEAL)

Dwain B. Mallett
NOTARY PUBLIC

My commission expires Jan 21, 2003

- *12. The description of the compost process must minimally include formation of windrows and annual turning of leaves. If additional processing is done, explain briefly; i.e., usage of tub grinder, monthly aeration, etc.
- *13. Explain briefly how the compost or mulch from your site is to be used.

INSTRUCTIONS

Purpose: Notification of yard waste facility sites is required by 15A NCAC 13B .1402(g)(3). A permit is required for facilities storing and processing more than 6,000 cubic yards of material quarterly. Contact the Solid Waste Section at the address below for more information.

Distribution: Mail completed original to the following address:

Division of Waste Management
Solid Waste Section
401 Oberlin Road, Ste. 150
Raleigh, North Carolina 27605
(919) 733-0892

Disposition: This form will be transferred to the State Records Center when reference value ends. Records will be held for agency in the State Records Center five (5) additional years and then transferred to the custody of the Archives.

LETTER OF TRANSMITTAL



THOMPSON & ASSOCIATES
5821 Holly Springs Road
Raleigh, North Carolina 27606

Telephone: 919-851-1709 Fax: 919-859-2143

or Joe Lyke

TED LYONS
401 OBERLIN RD.
SUITE 150
SOLID WASTE SECTION
RALEIGH, NC 27605

NCDENR

DATE 2/10/99	JOB NO. CB-55
ATTENTION:	
RE: Blythe Recycling Facility	

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:
 Shop drawings Prints Plans Samples Specifications
 Copy of letter Change order APPLICATION

COPIES	DATE	NO.	DESCRIPTION
1	2/10/99	1	Site PLAN
1	2/10/99	2	LAND WASTE FACILITY NOTIFICATION APPLICATION

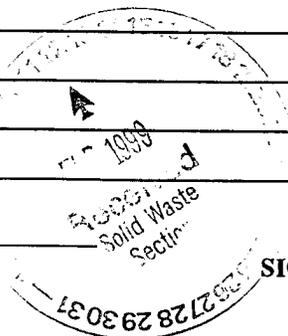
THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit ___ copies for approval |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit ___ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return ___ corrected prints |
| <input type="checkbox"/> For review and comment | _____ | |
| <input type="checkbox"/> FOR BIDS DUE _____ | 19 _____ | PRINTS RETURNED AFTER LOAN TO US |

REMARKS:

COPY TO

Charles Blythe



SIGNED

Vernon Hershberg

Solid Waste Section

Division of Waste Management

401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605
919-733-0692, Ext. 264
Fax: 919-733-4810

FAX TRANSMISSION COVER SHEET

Date: March 4, 1999
To: Vernon Hershberger, Thompson & Associates
Fax: ~~919-859-2143~~ 851-5551
Re: Land Clearing Debris - Blythe Recycling Facility
Sender: B.J. Stanfield

YOU SHOULD RECEIVE THREE(3) PAGE(S), INCLUDING THIS COVER SHEET. IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL 919-733-0692, Ext. 264.

Vernon,

Following are the forms that should be completed to process the request for Blythe Recycling Facility.

If you have questions, please feel free to call. Ted will be out of the office the remainder of today (Thurs., 3/4) but should be back in tomorrow.

Thanks much.

Original forms were mailed.

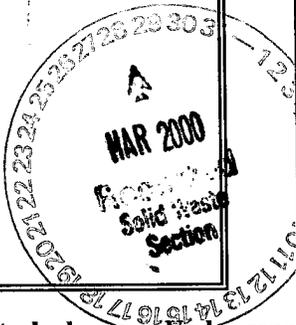
LETTER OF TRANSMITTAL



THOMPSON & ASSOCIATES
5821 Holly Springs Road
Raleigh, North Carolina 27606

Telephone: 919-851-1709 Fax: 919-859-2143

TED LYON
NCDENR
SOLID WASTE SECTION
401 OBERLIN RD
SUITE 150
RALEIGH, NC 27605
733-4996 EXT. 253



DATE 3/28/00	JOB NO. CB-55
ATTENTION:	
RE: SOLID WASTE PERMIT	
WOOD DEBRIS RECYCLING FACILITY	
(FOR > 6,000 CF/QUARTER & ≥ 2 AC STORAGE AREA.)	

WE ARE SENDING YOU

Attached Under separate cover via MAIL (U.S.) the following items:

- Shop drawings Prints Plans Samples Specifications
 Copy of letter Change order SEE BELOW

COPIES	DATE	NO.	DESCRIPTION
		1 EA.	VICINITY MAP, FEMA MAP
		1 EA.	Copy of Engineer Information & JURISDICTIONAL DETERMINATION
		1 EA.	SOIL EVALUATION LETTER/MAP/SOILS MAP
		1	BOARD OF ADJUSTMENT APPROVAL
		1 EA.	NC DOT VARIANCE LETTER OF APPROVAL / REQUEST LETTER
		1 EA.	NC DENR LETTER RARE SPECIES LETTER & Correspondence

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit ___ copies for approval
 For your use Approved as noted Submit ___ copies for distribution
 As requested Returned for corrections Return ___ corrected prints
 For review and comment
 FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS: 1 EA (general DEED w/ MEETS/ BOUNDS DESCRIPTION)
 1 copy LETTER FROM TOWN OF APEX FIRE PROTECTION
 1 copy WRITTEN OPERATIONS PLAN & WRITTEN REPORT
 1 copy AERIAL PHOTOGRAPH
 1 copy Wake County Erosion Control Approval & Certificate of Compliance
 AS PER ATTACHED CHECK LIST

COPY TO Charles Bentley, Owner SIGNED Vernon Herschberger
 1 OVERALL SITE PLAN AS APPROVED PER WAKE COUNTY
 1 CHECK LIST

If enclosures are not as noted, kindly notify us at once.

WE ARE REQUESTING AN ACTUAL PERMIT THIS TIME, INSTEAD OF A NOTIFICATION, DUE TO POSSIBLE > 6,000 CF/DUMPER AND > 2 AC AREA. THIS HAS NOT BEEN!

WAKE COUNTY
ENVIRONMENTAL HEALTH DIVISION
EROSION AND SEDIMENTATION CONTROL SECTION
Post Office Box 550
Wake County Office Building, Room 101
Raleigh, North Carolina 27602
(919) 856-6204

CERTIFICATE OF COMPLIANCE FOR
PRELIMINARY SOIL EROSION AND SEDIMENTATION CONTROL

THIS IS TO CERTIFY that the approved Soil Erosion and Sedimentation Control measures have been installed in accordance with the approved plan at the project site of

Blythe Recycling Facility
located at NC HWY 55

and in accordance with the provisions of Land Disturbing Permit No. 0992291, Verification of the above facts has been ascertained by MARIA COX, Environmental Engineer, through the means of an on-site inspection on MARCH 16, 2000

With this compliance, the project is now released for any required Building or Land Use Permits with the understanding that final stabilization or cover of the remaining denuded portions of the site will occur within the time limits as prescribed by the Soil Erosion and Sedimentation Control Ordinance of the County of Wake, or the applicant will be subject to appropriate legal action by the County of Wake to the limits prescribed by the Ordinance.

Maria Cox
Environmental Engineer

FOR OFFICIAL USE ONLY

DATE 3/16/00

NO. 0992291

WHITE — APPLICANT
YELLOW — SEDIMENT CONTROL
PINK — ZONING/SUBDIVISION

Facilities that are required to obtain a permit shall complete the requirements of Section .0300 of the Solid Waste Management Rules and provide the following information.

- ✓ 1. An aerial photograph, scale 1 inch is equal to 400 feet or less, showing the area for at least 1000 feet around the proposed facility
- ✓ 2. A vicinity map showing the location of the proposed facility.

✓ 3. Site Plan or scale drawing, 1 inch = 100 feet or less, showing the following items:

- ✓ a. Property lines.
- ✓ b. Existing topography.
- ✓ c. Proposed grading with final grade, if the application is for a new facility.
- ✓ d. Permanent and temporary sedimentation and erosion control structures.
- ✓ e. The location of existing and proposed buildings, structures for storage of materials, monitoring or water supply wells, and utilities.
- ✓ f. Existing surface water features (ditches, ponds, swamps, etc.)
- ✓ g. Access control features (gates, fences, and earthen berms)
- ✓ h. Existing and proposed roads and the anticipated traffic flow pattern.
- ✓ i. 100 year flood plain (FEMA Flood Insurance Rate Map with site indicated on it).
- ✓ j. Adjacent land uses, including other solid waste management activities.
- ✓ k. Locations of stockpiles shown on the site plan with proposed pile sizes, traffic lanes between piles, and types of material in each pile.

4. Facilities not previously permitted by the Division shall provide:

- ✓ a. Sedimentation and Erosion control plan with approval letter from the Division of Land Quality or appropriate local government agency. If the application is for an existing facility a letter or recent inspection report should be included from the appropriate government agency indicating that the existing plan is adequate and that all related structures are in proper working order.
- ✓ b. Letter from the appropriate agency that the proposed facility shall not cause or contribute to the taking of any endangered or threatened species of plants, fish, or wildlife.
- ✓ c. Letter from the appropriate agency stating that the site is not located in a wetland.

copy of C.O.C. ?

✓ 5. Provide a legal description of the property and a copy of the deed for the property with metes and bounds.

✓ 6. If the property is owned by an individual(s)/corporation that is not the proposed operator, notarized and signed affidavits must be provided to the Solid Waste Section from the landowners of the site indicating that the property can be used for the proposed facility.

✓ 8. An operations Plan including:

- a. A detailed narrative describing all the proposed operations that will take place at the facility including: receiving, processing, handling and storage of materials; anticipated

process time; length of time materials will remain on-site before and after processing; how the site will be maintained to prevent surface water from ponding and ruts from occurring around storage piles, etc.

- / b. A list of materials proposed to be received.
- / c. An estimate of how much of each type of material to be received will be processed per day or week.
- / d. An explanation of how non-recyclable material will be managed at the site, an estimate of how much of that material will be managed, and the name and location of the facility where such material will ultimately be disposed.
- / g. A list of all proposed uses of the recycled materials. Specific markets may be required with some materials.
- / h. A letter from the local fire marshal/chief of the appropriate fire department that has jurisdiction over this facility that an incident at this facility will be responded to with the appropriate equipment.
- / i. A list of all equipment to be utilized at the site for processing handling and loading of materials.
- / j. If any of the information in this item is considered confidential, then documents shall be stamped as such and the Solid Waste Section will handle in accordance with applicable General Statutes.
- / k. Contingency plans for equipment failure, fire or medical emergencies, and for poor product market conditions.
- / l. Records indicating the inflow and out flow of material, in tons.

h:\clatreat&ptr&p3

DRAFT

P

WCCDS
FORM No. 102

COUNTY OF WAKE
COMMUNITY SERVICES
ENVIRONMENTAL HEALTH DIVISION
P.O. BOX 550, Raleigh, North Carolina 27602 • (919) 856-6204

SOIL EROSION AND SEDIMENTATION PLAN APPROVAL

PROJECT NAME	PLAN PREPARED BY (Name & Address)	Phone Number	DENUDED AREA
PROPERTY OF CHARLES BLYTH, GRADING AND EROSION CONTROL ONLY	THOMPSON AND ASSOCIATES, P.A. 5821 HOLLY SPRINGS ROAD Raleigh, NC 27606	919/851-1709 Fax 919859-2143	10 ACRES
			TOTAL FEE
			1,750.00 PR. PAID 2,500.00LD Dollars

ENVIRONMENTAL ENGINEER RECOMMENDATIONS/REQUIREMENTS

*Follow the Construction Sequence and Call the Environmental Engineer Lee Squires @ 856-6199 for a Certificate of Compliance.

*Plan Approval is limited to include both temporary and permanent land disturbing activities in reference to construction and maintenance of erosion control measures, clearing, grubbing, grading, re-vegetation and stabilization in accordance with the Approved Construction Plans, ONLY.

*Warning: Sediment Basin #3 Appears to be located within the Neuse River Riparian Buffer. Project Owner/Designer Must Contact Division of Water Quality @ 733-1786 prior to any Land Disturbance or Installation of any Erosion Control Device in this Area.

*For Projects located within Wake County Environmental Services Jurisdiction assumes no responsibility for the review or compliance with Federal Flood Regulations, Wetland Regulations/Encroachments, Neuse River Stream Buffer Regulations and any other related regulations or permit requirements.

Agents and officials of the County shall provide for periodic inspection of the land-disturbing activities, at reasonable times, to determine whether the activities are being conducted in accordance with the plan and to determine whether the measures required in the plan are effective in controlling erosion and sediment resulting from the land-disturbing activities.

Should the planned soil erosion & sedimentation control devices prove inadequate, further measures will be required by the environmental inspector.

Date Received: 11/02/98

Date Complete: 11/05/98

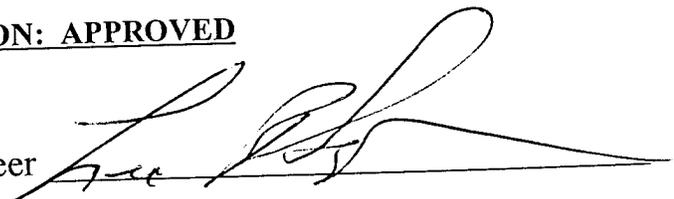
Reviewed By: Lee R. Squires, EIT
856-6199

Date Disapproved: 12/14/98
Date Resubmission: 12/17/98

DISPOSITION: APPROVED

Date Approved: 12/23/98

Environmental Engineer





THOMPSON & ASSOCIATES

5821 Holly Springs Road
Raleigh, NC 27606

P

December 15, 1998

Mr. Ted Lyon
N.C. Department of Environment and Natural Resources
Division of Waste Management
401 Oberlin Rd.
Suite 150
Raleigh, North Carolina 27605

Re: Blythe Construction Co. waste recycling site on Hwy 55.

Dear Mr. Lyon:

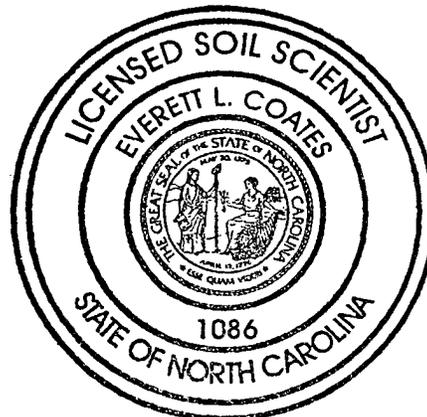
On December 10, 1998 I completed the evaluation of the upper 24 inches of the soil on the site in question using a soil auger. At approximately the locations indicated on the attached map the soil was found to be free of colors indicating the presence of water table within the upper 12 to 24 inches. Soil textures ranged from silty clay loam to clay within a depth of 24 inches. The clays are poorly structured to massive and exhibit characteristics of expansive mineralogy and overly soft sedimentary rock.

Please note that field identification of soils is subjective in nature and may vary slightly according to the professional opinion of the soil scientist. The evaluation and description of soil characteristics are directly applicable only to the specific boring sites and, while the necessary borings were made according to analysis of soil/landscape relationships, soil conditions may vary from those described between the borings. The borings are located on the map according to topographic information and pace-and-compass traverse and are not field-located by survey.

If you have any questions concerning this report please feel free to contact me at 851-1709.

Sincerely,

Everett L. Coates, L.S.Sc.
Thompson & Associates, P.A.



U.S. ARMY CORPS OF ENGINEERS
Wilmington District

Action ID: 199920227 County: Wake

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property	Authorized
Owner <u>Blythe Equipment Company</u>	Agent <u>Domison and Associates</u>
<u>Attn: Charles Blythe</u>	<u>Attn: Vernon Hershberger</u>
Address <u>700 Highway 41</u>	Address <u>5821 Holly Springs Road</u>
<u>Trenton, NC 28585</u>	<u>Raleigh, NC 27606</u>
Telephone Number <u>1-800-635-0907</u>	Telephone Number <u>919-851-1709</u>

Size and Location of Property (waterbody, Highway name/number, town, etc.):

The property is located on the west side of Highway 55, approximately 2000 feet north of the intersection of Hwy 55 and Old Smithfield Road (SR 1301), in Wake County, North Carolina. The site is in the Cape Fear River Basin.

Indicate Which of the Following Apply:

- There are waters of the U.S., to include wetlands, on the above described property which we strongly suggest should be delineated and surveyed. The surveyed wetland lines must be verified by our staff before the Corps will make a final jurisdictional determination on your property.
- Because of the size of your property and our present workload, our identification and delineation of your wetlands cannot be accomplished in a timely manner. You may wish to obtain a consultant to obtain a more timely delineation of the wetlands. Once the consultant has flagged a wetland line on the property, Corps staff will review it, and, if it is accurate, we strongly recommend that you have the line surveyed for final approval by the Corps. The Corps will not make a final jurisdictional determination on your property without an approved survey.
- The waters of the U.S., to include wetlands, on your lot have been delineated, and the limits of the Corps jurisdiction have been explained to you. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- There are no waters of the U.S., to include wetlands, present on the above described property which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- This project is located in the Neuse river basin. You should contact the North Carolina Division of Water Quality at (919) 733-1786 to determine additional requirements specific to this river basin.

Placement of dredged or fill material in wetlands on this property without a Department of the Army Permit is in most cases a violation of Section 301 of the Clean Water Act (33 USC 1311). A permit is not required for work on the property restricted entirely to existing high ground. If you have any questions regarding the Corps of Engineers regulatory program, please contact

Todd Tugwell at telephone number (919) 876 - 8441 extension 26

Project Manager Signature 

Date December 10, 1998 Expiration Date December 10, 2003

SURVEY PLAT OR FIELD SKETCH OF THE DESCRIBED PROPERTY AND THE WETLAND DELINEATION FORM MUST BE ATTACHED TO THE YELLOW (FILE) COPY OF THIS FORM.



THOMPSON & ASSOCIATES
5821 Holly Springs Road
Raleigh, NC 27606

P

FAX FORM

TO: Todd Tugwell - Army Corps of Engineers

FAX NUMBER: 876-5823

FROM: Vernon Herzberger

DATE: ~~11/3/98~~ 11/3/98 NUMBER OF PAGES: 4

RE: Soils (wetlands info) for approval

C o m m e n t s :
Enclosed is the information requested per our recent conversation. I need a letter stating that there are no wetlands on this site or that this site is not located in a wetland.

~~Attached~~ Attached are soils map (Wake Co.) and a National Wetlands Inventory map, AND A VICINITY MAP.

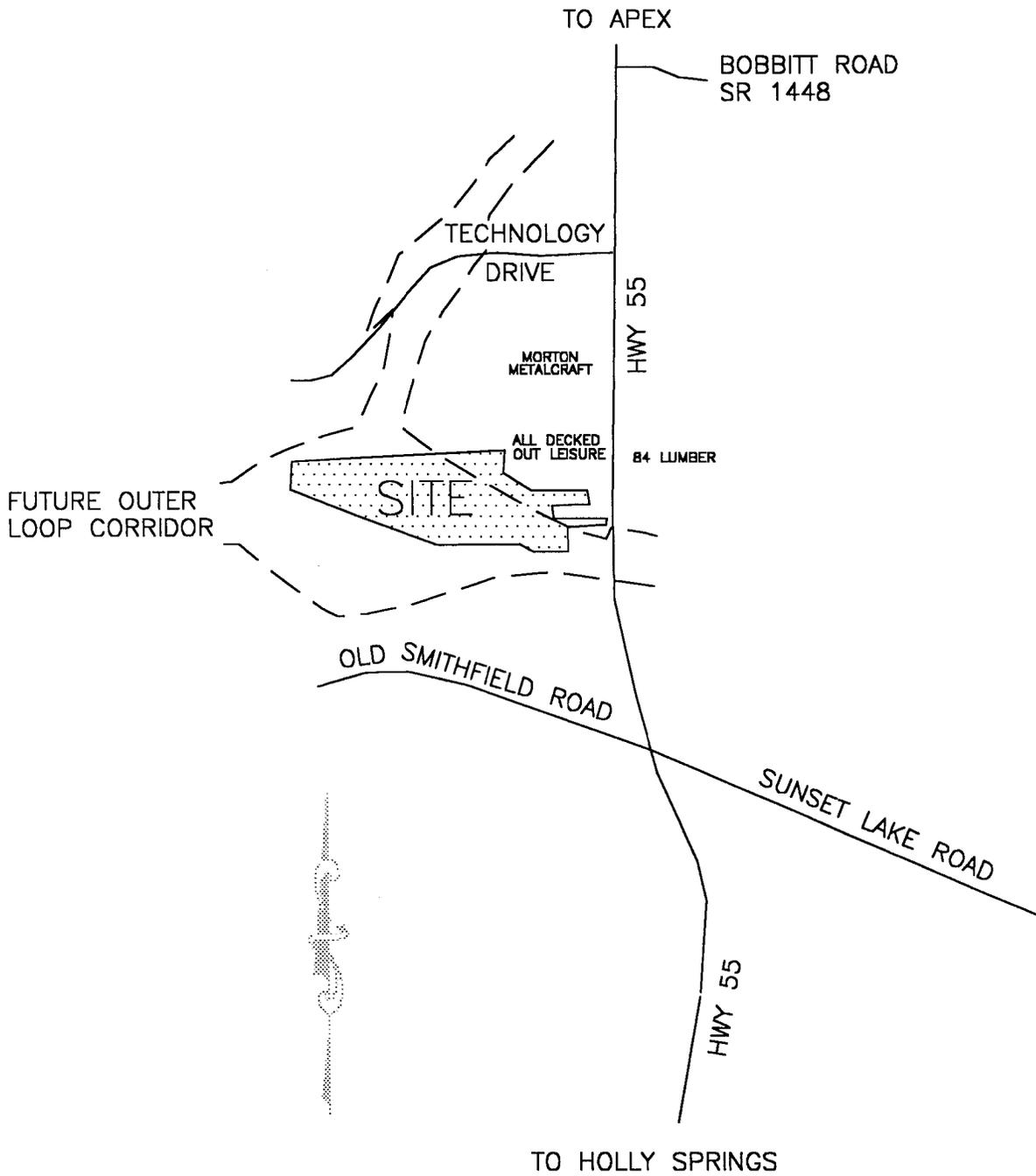
The site is cleared, and is located on an upland slope. There are no ponds or streams on the property.

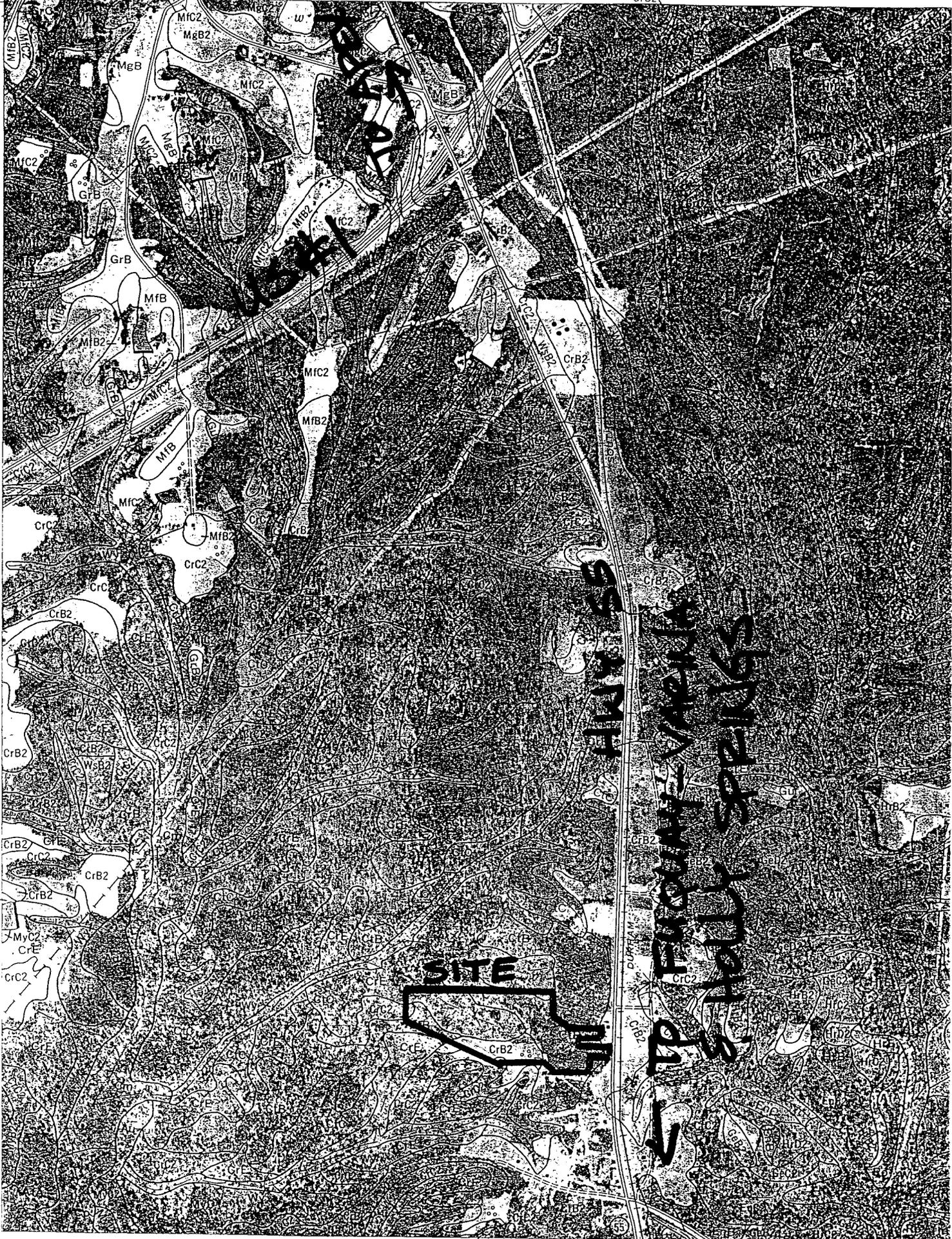
Let me know if you need anything else, or
Can't read the soils map.

If you do not receive all pages indicated or if documents are unreadable, please contact us immediately. Thank you.

FROM WHAT I CAN DETERMINE, THIS PARTICULAR SITE IS LOCATED WITHIN THE CAPE FEAR RIVER BASIN. THIS SITE HAS ALREADY BEEN CUT (TREES, ETC.) AND WILL BE USED FOR A TEMPORARY WOOD MULCH RECYCLING FACILITY.

Call me if you have any questions!





MfC2
GrB
MfC2

MfD2

JOINS SHEET 74

CrC2

SITE

CrE EnB Hrc Wy



Town of Apex

P. O. BOX 250
APEX, NORTH CAROLINA 27502

MAYOR:
KEITH H. WEATHERLY
TOWN MANAGER:
WILLIAM M. SUTTON
TOWN ATTORNEY:
HENRY C. FORDHAM, JR.

November 1, 1998

COMMISSIONERS:
MICHAEL L. JONES, MAYOR PRO TEM
DONALD W. GRIMES
CARL R. HELTON
CHRISTINE L. HILT
R.D. MECKES

Mr. Vernon Hershberger
Thompson and Associates
5821 Holly Springs Rd.
Raleigh, NC 27606

Dear Mr. Hershberger:

As you requested, I am confirming that the area of 2024 E. Williams St. in Apex is within our response district for fire protection. This shall also serve as confirmation that we participate in Wake County's First Responder program. If you have any further questions, please contact me at (919) 362-4001.

Thank you.

Sincerely,

A handwritten signature in cursive script that reads "W.H. Stevenson III".

W.H. Stevenson III
Fire Chief



NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF PARKS AND RECREATION



NATURAL HERITAGE PROGRAM

JAMES B. HUNT JR.
GOVERNOR

FAX COVER SHEET

WAGNE MCDEVITT
SECRETARY

DR. PHILIP H. MOFFETT

DR. PHILIP H. MOFFETT

TELECOPY TO: Vernon Hershberger

FAX NUMBER: 919-859-2143

FROM: Susan Oles

DATE: 10/19/98

SUBJECT: info request

NUMBER OF PAGES (including cover sheet): 2

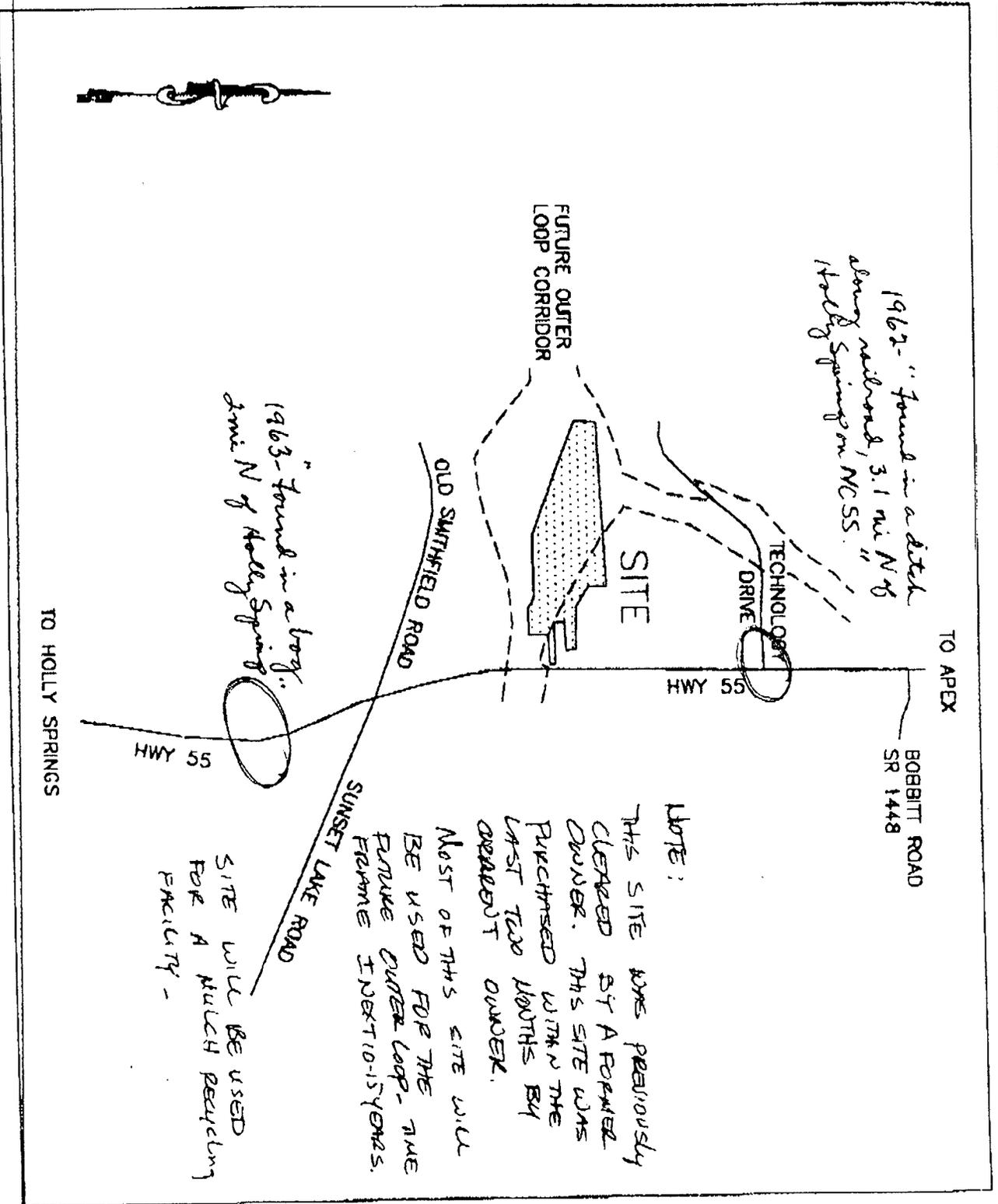
TRANSMITTED BY: SG.

COMMENTS: Both sites are historic meaning ^{that} other populations
either haven't been seen recently, or no inventory has been made and
recorded.

P.O. Box 27687, Raleigh, North Carolina 27611-7687
An Equal Opportunity Affirmative Action Employer

Telephone 919-733-4181 FAX 919-715-3085
50% recycled/ 10% post-consumer paper

VICINITY MAP



NOTE:

THIS SITE WAS PREVIOUSLY CLEARED BY A FORMER OWNER. THIS SITE WAS PURCHASED WITHIN THE LAST TWO MONTHS BY ORBERT OWNER.

MOST OF THIS SITE WILL BE USED FOR THE FUTURE OUTER LOOP, THE FRAME INXT10-15 YEARS.

SITE WILL BE USED FOR A MULCH RECYCLING FACILITY -



NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCESDIVISION OF PARKS AND RECREATION
October 14, 1998JAMES B. HUNT JR.
GOVERNORWAYNE McDEVITT
SECRETARYDR. PHILIP K. MCKNELLY
DIRECTOR

Mr. Vernon Hershberger
Thompson & Associates
5821 Holly Springs Road
Raleigh, NC 27606

SUBJECT: Rare Species, High Quality Natural Communities, and
Significant Natural Heritage Areas at the Proposed Blythe
Recycling Facility, Holly Springs, Wake County, North
Carolina.

Dear Mr. Hershberger:

The North Carolina Natural Heritage Program (NC NHP) has no records of high quality natural communities or Significant Natural Heritage Areas (SNHAs) at or within a 1.0 mile radius of the proposed Blythe Recycling Facility, Hwy 55, Holly Springs, Wake County, North Carolina. However, there are two historic records of **Rigid sedge** (*Carex tetanica*), State Significantly rare plant, in ditches within 0.5 mi north and south of the site along Hwy 55.

Enclosed is a list of rare species and high quality natural communities that are known to occur in Wake County. If suitable habitat for any of these species occurs in the project area, then those species may be present at the project site. In order to determine if rare species are present, a survey may be necessary.

Please do not hesitate to contact me at the address below or call me at (919) 715-8703 if you have any questions or need further information.

Sincerely,

Susan Reece Giles
Information Specialist
Natural Heritage Program

Enclosure

NC NATURAL HERITAGE PROGRAM COUNTY SPECIES LIST COVER SHEET

The county species list from the NC Natural Heritage Program is a listing of the elements (rare species, natural communities, and special animal habitats) known to occur in a county. The information on this printout is compiled from a variety of sources, including field surveys, museums and herbaria, literature, and personal communications. The Heritage Program's Biological and Conservation Database (BCD) is dynamic, with new records being added and old records being revised as new information is received. The BCD was developed and is maintained using methodology developed by The Nature Conservancy. The enclosed list cannot be considered a definitive record of natural heritage elements, and it should not be considered a substitute for field surveys. When this information is used in any document, we request that the printout date be given and that the NC Natural Heritage Program be credited.

This cover sheet explains the four columns of status codes that are given on the right-hand side of the county list printout.

STATE STATUS

CODE	STATUS	CODE	STATUS
E	Endangered	P	Proposed (E, T, or C)
T	Threatened	SR	Significantly Rare
SC	Special Concern	EX	Extirpated
C	Candidate		

Plant statuses are determined by the Plant Conservation Program (NC Department of Agriculture) and the Natural Heritage Program (NC Department of Environment and Natural Resources). E, T, and SC species are protected by state law (Plant Protection and Conservation Act, 1979). C and SR designations indicate rarity and the need for population monitoring and conservation action.

Animal statuses that indicate state protection (E, T, and SC) are published in *Endangered Wildlife of North Carolina*, March 16, 1992, Nongame and Endangered Wildlife Program (NC Department of Environment and Natural Resources). SR and EX statuses are Natural Heritage Program designations. SR indicates rarity and the need for population monitoring and conservation action.

FEDERAL STATUS

This status is designated by the US Fish and Wildlife Service. Federally listed Endangered and Threatened species are protected under the provisions of the Endangered Species Act of 1973, as amended through the 100th Congress. Unless otherwise noted, definitions are taken from the *Federal Register*, Vol. 56, No. 225, November 21, 1991 (50 CFR Part 17).

CODE	STATUS	DEFINITION
E	Endangered	A taxon "in danger of extinction throughout all of a significant portion of its range."
T	Threatened	A taxon "likely to become an endangered species within the foreseeable future throughout all of a significant portion of its range."
P	Proposed	A taxon proposed for official listing as endangered or threatened.
C	Candidate	A taxon under consideration for which there is sufficient information to support listing. This category was formerly designated as a Candidate 1 (C1) species.
FSC		Federal "Species of Concern" (also called "Species at Risk"). Formerly defined as a taxon under consideration for which there is insufficient information to support listing; formerly designated as a Candidate 2 (C2) species. Currently, the US Fish and Wildlife Service does not recognize this as an official designation.
T(S/A)		Threatened due to Similarity of Appearance. Species with this designation are not considered biologically endangered or threatened and are listed for trade purposes. [The American Alligator has this designation due to similarity of appearance to other rare crocodilians. The Bog Turtle (southern population) has this designation due to similarity of appearance to Bog Turtles in the threatened northern population.]

Please note that the US Fish and Wildlife Service no longer recognizes the following categories:

3A	Candidate 3A	A taxon formerly under consideration for listing, but for which there is "persuasive evidence of extinction."
3B	Candidate 3B	A taxon formerly under consideration for listing, but which current taxonomic understanding does not support as a distinct entity meeting the Endangered Species Act's definition of "species."
3C	Candidate 3C	A taxon formerly under consideration for listing, but which has been "proven to be more abundant or widespread than previously believed and/or [which is] not subject to any identifiable threat."

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FED. STATUS	STATE RANK	GLOBAL RANK
Wake					
Vertebrates					
Aimophila aestivalis	Bachman's Sparrow	SC	FSC	S3B, S2N	G3
Ambystoma tigrinum	Tiger Salamander	T	-	S2	G5
Condylura cristata pop 1	Star-nosed Mole - Coastal Plain Population	SC	-	S2	G5T2Q
Coragyps atratus	Black Vulture	SC	-	S3	G5
Haliaeetus leucocephalus	Bald Eagle	E	T	S2B, S2N	G4
Hemidactylum scutatum	Four-toed Salamander	SC	-	S3	G5
Lampetra aepyptera	Least Brook Lamprey	SC	-	S2	G5
Myotis austroriparius	Southeastern Myotis	SC	FSC	S2?	G3
Necturus lewisi	Neuse River Waterdog	SC	-	S3	G3
Noturus furiosus pop 1	Carolina Madtom - Neuse River Population	SC	-	S2	G3T2Q
Picoides borealis	Red-cockaded Woodpecker	E	E	S2	G3
Invertebrates					
Alasmidonta heterodon	Dwarf Wedgemussel	E	E	S1	G1
Alasmidonta undulata	Triangle Floater	T	-	S2	G4
Anodonta implicata	Alewife Floater	SC	-	S2	G5
Elliptio lanceolata	Yellow Lance	T	FSC	S2	G2G3
Elliptio roanokensis	Roanoke Slabshell	T	-	S1	G2
Fusconaia masoni	Atlantic Pigtoe	T	FSC	S1	G2
Lampsilis radiata	Eastern Lampmussel	SC	-	S1S2	G5
Lasmigona subviridis	Green Floater	E	FSC	S1	G3
Strophitus undulatus	Squawfoot	T	-	S2S3	G5
Tachopteryx thoreyi	Gray Petaltail	SR	-	S3?	G4
Villosa constricta	Notched Rainbow	SR	-	S2S3	G3G4
Vascular plants					
Agalinis decemloba	Piedmont Gerardia	SR	-	S2?	G4Q
Aster laevis var concinnus	Narrow-leaved Aster	C	-	S2	G5T4
Buchnera americana	American Bluehearts	C	-	SH	G5?
Cardamine douglassii	Douglass's Bittercress	SR	-	S2	G5
Carex tetanica	Rigid Sedge	SR	-	S1	G4G5
Cirsium carolinianum	Carolina Thistle	C	-	S1	G5
Cyperus granitophilus	Granite Flatsedge	SR	-	S1	G3Q
Gnaphalium helleri var helleri	Heller's Rabbit Tobacco	SR	-	S2?	G4G5T3
Hexastylis lewisii	Lewis's Heartleaf	SR	-	S3	G4
Isoetes piedmontana	Piedmont Quillwort	T	-	S1	G3
Lindera subcoriacea	Bog Spicebush	E	FSC	S2	G2
Magnolia macrophylla	Bigleaf Magnolia	SR	-	S2	G5
Matelea decipiens	Glade Milkvine	SR	-	S2	G5
Monotropsis odorata	Sweet Pinesap	C	FSC	S3	G3
Panax trifolius	Dwarf Ginseng	SR	-	S3	G5
Porteranthus stipulatus	Indian Physic	SR	-	S2	G5
Portulaca smallii	Small's Portulaca	T	-	S2	G3
Rhus michauxii	Michaux's Sumac	E-SC	E	S2	G2
Ruellia humilis	Low Wild-petunia	T	-	S1	G5
Ruellia purshiana	Pursh's Wild-petunia	SR	-	S2	G5
Saxifraga pensylvanica	Swamp Saxifrage	C	-	S1	G5
Scutellaria nervosa	Veined Skullcap	SR	-	S1	G5
Solidago radula	Western Rough Goldenrod	C	-	S1	G5?
Thermopsis mollis sensu stricto	Appalachian Golden-banner	SR	-	S2	G3G4
Trillium pusillum var pusillum	Carolina Least Trillium	E	FSC	S1	G3T2
Natural communities					
Basic Mesic Forest (Piedmont Subtype)	-	-	-	S2	G5T3
Coastal Plain Semipermanent Impoundment	-	-	-	S4	G5
Coastal Plain Small Stream Swamp (Brownwater Subtype)	-	-	-	S2S3	G5T3T4
Dry Oak--Hickory Forest	-	-	-	S4	G5
Dry-Mesic Oak--Hickory Forest	-	-	-	S5	G5
Floodplain Pool	-	-	-	S2	G3?
Granitic Flatrock	-	-	-	S2	G3
Mesic Mixed Hardwood Forest (Piedmont Subtype)	-	-	-	S4	G5T5
Piedmont Monadnock Forest	-	-	-	S4	G5

SCIENTIFIC NAME	COMMON NAME	STATE STATUS	FED. STATUS	STATE RANK	GLOBAL RANK
Piedmont/Coastal Plain Acidic Cliff	-	-	-	S2?	G4
Piedmont/Coastal Plain Heath Bluff	-	-	-	S3	G4?
Piedmont/Low Mountain Alluvial Forest	-	-	-	S5	G5
Piedmont/Mountain Levee Forest	-	-	-	S3?	G5
Piedmont/Mountain Semipermanent Impoundment	-	-	-	S4	G5
Ultramafic Outcrop Barren	-	-	-	S1	G1
Wake*					
Vertebrates					
Myotis septentrionalis	Northern Myotis	SC	-	SUB, S2N	G4
Vascular plants					
Carex reniformis	Kidney Sedge	SR	-	SH	G4?
Didiplis diandra	Water Purslane	SR	-	SH	G5
Eupatorium godfreyanum	Godfrey's Thoroughwort	SR	-	S1	G4
Helenium brevifolium	Littleleaf Sneezeweed	C/PE	-	S1	G3G4
Silphium terebinthinaceum	Prairie Dock	C	-	S2	G4G5
Nonvascular plants					
Campylopus oerstedianus	Oersted's Campylopus	C	-	S1	G1G3
Wake**					
Vertebrates					
Ambloplites cavifrons	Roanoke Bass	SR	-	S3	G3
Heterodon simus	Southern Hognose Snake	SR	FSC	S3	G4
Lanius ludovicianus ludovicianus	Loggerhead Shrike	SC	-	S3B, S3N	G5T5
Invertebrates					
Erynnis martialis	Mottled Dusky Wing	SR	-	S3	G4
Lithophane lemmeri	Lemmer's Pinion	SR	-	S1S3	G3G4
Papilio cresphontes	Giant Swallowtail	SR	-	S2	G5
Speyeria diana	Diana Fritillary	SR	FSC	S3	G3



COUNTY OF WAKE
RALEIGH, NORTH CAROLINA

Facsimile Transmission

TO: Vernon Hershberger
Of _____

Date: _____

Fax No. 859-2143

No. of Pages (including cover): 3

FROM: Levent K. P. ...
Clerk to the Board
Wake County Commissioners' Office

Fax No: (919) 856-5699

Telephone No: (919) 856-5565

COMMENTS: Copy of Ordinance
you requested.

O-98-30

**ORDINANCE AMENDING THE WAKE COUNTY ZONING MAP TO REZONE
18.6 ACRES FROM R-30 & HD TO CU-INDUSTRIAL-2**

WHEREAS, Charles Blythe requested the rezoning from R-30 and Highway District to Conditional Use-Industrial-2 consisting of 18.6 acres on the west side of NC 55 between its intersection with Technology Drive and Sunset Lake Road south of Apex being Part of Map 0740-85-0490;

WHEREAS, the County Land Use Plan designates the area of the site as being within Apex's Urban Service Area and within the Special Transportation Corridor;

WHEREAS, this area is within a Special Transportation Corridor in which the Western Wake Expressway is planned;

WHEREAS, the proposed use which functions on a temporary basis would not conflict with planned construction of the Western Wake Expressway.

WHEREAS, the proposed zoning classification would allow development of a type and intensity that can be accommodated by the site without posing significant threat to the public health, safety, and general welfare;

WHEREAS, the request appears consistent with the County Land Use Plan and otherwise advances the public health, safety, and general welfare; and

WHEREAS, the Board of Commissioners held a duly-noticed public hearing to consider amending the Zoning Map to rezone the entire area, or part of the area, to the classification requested, or to a more restrictive classification;

NOW, THEREFORE, BE IT ORDAINED BY THE WAKE COUNTY BOARD OF COMMISSIONERS:

SECTION I

The proposed rezoning is found to be consistent with the Wake County Land Use Plan and to otherwise enhance the public health, safety, and general welfare, and the Wake County Zoning Map is hereby amended to rezone the property described above from R-30 and Highway District to Conditional Use-Industrial-2.

SECTION II

In making this petition, the owner freely offers the following conditions to be applied to the Conditional Use-Industrial-I District.

1. Property frontage along NC 55 will have a 30 foot undisturbed buffer with a mixture of trees and shrubs consisting of existing vegetation, which will remain in place.

- 2. There will be no storage of hazardous chemicals, flammable materials or hazardous waste on the property.
- 3. Use of "Tract A" shown on attached exhibit # 1 will be limited to:
 - A. Recycling yard for construction, demolition, and yard debris including, but not limited to limbs, trees, stumps, concrete, brick, steel, wood, plastic, etc.
 - B. Grinding, crushing and processing of debris for recycling.
 - C. Temporary storage while awaiting shipping of recycling products.
- 4. No storage of salvageable materials shall be permitted on the site except for recycling materials as mentioned in Item #3 above.

This amendment shall become effective upon adoption of this ordinance.

Commissioner Adcock made a motion that the above ordinance be adopted. Commissioner Merritt seconded the motion, and upon vote, the motion carried this 21st of September, 1998.

This Instrument Approved as to Form

Michael K. Furd

Wake County Attorney

9-10-98

Date



P

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT JR.
GOVERNOR

P.O. BOX 25201, RALEIGH, N.C. 27611-5201

E. NORRIS TOLSON
SECRETARY

May 26, 1998

Larry Morgan
Wake County Planning
336 Fayetteville Street Mall
Raleigh, North Carolina 27611

Dear Mr. Morgan:

SUBJECT: Variance To Corridor Map For Western Wake Expressway;
TIP Project R-2635

The purpose of this letter is to inform you that the NCDOT has approved a variance for the property as shown on the Roadway Corridor Official Map for the Western Wake Expressway as parcel number 152 (Deed Book 3280, Page 43, Tax Map Number 695).

The variance is granted to Charles Blythe. This variance allows the applicant to place a Recycling Facility on his property, subject to the following conditions:

1. This variance is granted based on the attached letter dated April 27, 1998. Any amendments to this request would annul this variance and would require another variance approval. Any further request to amend this property will be considered on an individual basis and will be subject to the constraints of the Roadway Corridor Official Map laws.
2. All applicable local permits or regulations are to be complied with.

The Department has granted this variance according to General Statute 136-44.52. After reviewing this particular situation, the Department has decided that the property amendment does not interfere with the development of the project, and will not hamper the Department's ability to acquire the needed right-of-way in the future.

If you have any questions, or need any more information, you may contact Mr. Ray McIntyre at (919) 733-2039.

Sincerely,

for Calvin W. Leggett, P.E.
Director - Planning and Programming

CWL/jm
Attachment

- cc: David Allsbrook, P.E., Division Engineer
Whitmel H. Webb, III, P.E., Manager, Program Development Branch
Tom Shearin, P.E., State Roadway Design Engineer
Ray McIntyre, P.E., Program Development Branch



P

27 April, 1998

Mr. Ray McIntyre, PE
NCDOT Program and Policy Unit
Program Development Branch
P.O. Box 25201
1 South Wilmington Street
Raleigh, NC 27611

Re: Variance Request for Grinding Facility within Future Outer Loop Corridor
P.I.N. #0740.02-85-0490

Dear Mr. McIntyre,

I am hereby requesting a variance for review for a temporary grinding facility on a site located on the West Side of NC Highway 55, between Technology Drive and Sunset Lake Road. This particular 15 acre site is located approximately 100 feet from Highway 55, and is currently zoned R-30/Highway District. The proposed zoning is I-2. You have already received a map of the site from Tom Shearin in Roadway Design, therefore a map is not included within this variance request.

This particular parcel would be used for the recycling of wood and construction debris, and should fit into Wake County's Land Use Plan. There will be no building structures located on the site; therefore a building permit should not be needed. The only equipment located on the site will be recycling and processing equipment. There will be grading only to the extent needed to store recycling equipment and material stockpiles. There will be no storage or handling of hazardous chemicals, flammable materials or hazardous waste on the site. Use would be limited to the following items:

- Receiving and recycling of construction and yard debris such as limbs, trees, stumps, concrete and wood, etc.
- Grinding, crushing and processing of debris for recycling
- Temporary storage while waiting for shipping of debris

We understand the temporary nature of this project, in that the future outer loop of the Southern Wake Expressway is planned to pass over this property within the next fifteen to twenty years. Residential use or commercial use of this property is not desired. It is desired to use this property as a recycling yard until the outer loop is constructed.

The current property owner is:

Plexa Group
1133 Manchester Drive
Cary, NC 27511

The property Purchaser is:

Charles B. Blythe
Charles Blythe Equipment Co., Inc.
P.O. Box 69
700 Hwy 41 East
Trenton, NC 28585
(800) 635-0907

This information should address all of the information that you requested. Please contact Joe Lyle or me at (919) 851-1709 if you have any further questions. I look forward to hearing from you soon.

Sincerely,

Vernon Hershberger, RLA
Thompson and Associates

VH

P

BK 8118PG0632

PRESENTED FOR REGISTRATION

000971

98 AUG -3 PM 1:44

WAKE COUNTY NC 156

08/03/98

\$716.00



Real Estate Excise Tax

LAURA J. ... REGISTER OF DEEDS WAKE COUNTY

Excise Tax \$716.00

Recording Time, Book and Page

Tax Lot No. Parcel Identifier No. 0005294
Verified by County on the day of 19
by

Mail after recording to Howard, Stallings, Stacy (Hold for Box 86)

This instrument was prepared by DEMENT ASKEW GAMMON DEMENT & OVERBY

Brief description for the Index

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 30th day of July August, 1998, by and between

GRANTOR

GRANTEE

PEXA GROUP, a North Carolina General Partnership

CHARLES BLYTHE EQUIPMENT COMPANY, INC., a North Carolina corporation

P.O. Box 69 Trenton, NC 28585

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of Holly Springs Township,

Wake County, North Carolina and more particularly described as follows:

BEING the remainder of that 38 acre tract conveyed to grantor in Book 3280, Page 43, Wake County Registry less that 12.66 acre tract conveyed to Agracel, Inc. in Book 7157, Page 83, Wake County Registry and more particularly described in Exhibit "A" attached hereto and incorporated herein by reference.

Handwritten signature

BK 8118PG0633

The property hereinabove described was acquired by Grantor by instrument recorded in Book 3280, Page 43, Wake County Registry

A map showing the above described property is recorded in Plat Book page

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated. Title to the property hereinabove described is subject to the following exceptions:

- 1. General service and utility easements of record and ad valorem taxes.
- 2. General service easement to CP&L in Book 863, Page 399, WCR.
- 3. Utility easement for electricity, water and sewer to the Town of Apex in Book 5508, Page 441, WCR.
- 4. Right of way for existing NC Highway 55.
- 5. Proposed right of way for NC Highway 55 By Pass and the Outer Loop.

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and corporate name by its duly authorized officers and its seal to be hereunto above written.

seal, or if corporate, has caused this instrument to be signed by its affixed by authority of its Board of Directors, the day and year first PEXA GROUP, a North Carolina General Partnership by a Majority in Interest of its General Partner

(Corporate Name)

By: President

ATTEST: Secretary (Corporate Seal)

(Corporate Name)

By: President

ATTEST: Secretary (Corporate Seal)

USE BLACK INK ONLY

By: Lung O. Chung (SEAL) LUNG O. CHUNG, Partner

By: Mohan Sastri Putcha (SEAL) MOHAN SASTRI PUTCHA, Partner

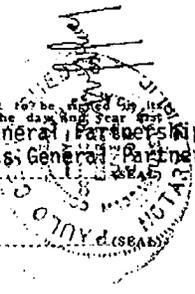
By: Eugene Yuen (SEAL) EUGENE YUEN, Partner

By: Samuel L. Tie (SEAL) SAMUEL LEE TIE, Partner

By: Shih-Chung Wu (SEAL) SHIH-CHUNG WU, Partner

By: Gabriel Chau 8-3-99 (SEAL) GABRIEL CHAU, Partner

By: (SEAL)



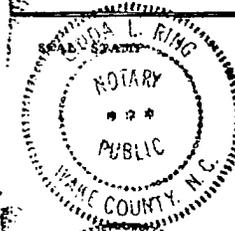
BK 8118PG0634

SEAL - STAMP

NORTH CAROLINA, Wake County.

I, a Notary Public of the County and State aforesaid, certify that Lung O. Chung, Partner of PEXA GROUP, a North Carolina General Partnership Grantor personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 3 day of August, 1998.

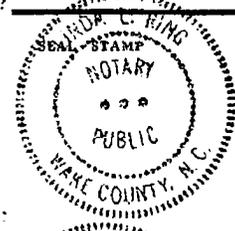
My commission expires: 11-4-01 Notary Public



NORTH CAROLINA, Wake County.

I, a Notary Public of the County and State aforesaid, certify that Mohan Sastri Putcha, Partner of PEXA GROUP, a North Carolina General Partnership Grantor personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 3 day of August, 1998.

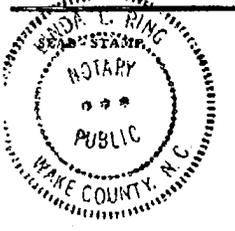
My commission expires: 11-4-01 Notary Public



NORTH CAROLINA, Wake County.

I, a Notary Public of the County and State aforesaid, certify that Eugene Yuen, Partner of PEXA GROUP, a North Carolina General Partnership Grantor personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 3 day of August, 1998.

My commission expires: 11-4-01 Notary Public



NORTH CAROLINA, Wake County.

I, a Notary Public of the County and State aforesaid, certify that Samuel Lee Tie, Partner of PEXA GROUP, a North Carolina General Partnership Grantor personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 3 day of August, 1998.

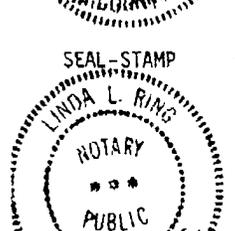
My commission expires: 11-4-01 Notary Public



NORTH CAROLINA, Wake County

I, a Notary Public of the County and State aforesaid, certify that Shih-Chung Wu, Partner of PEXA GROUP, a North Carolina General Partnership Grantor, personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 3 day of August, 1998.

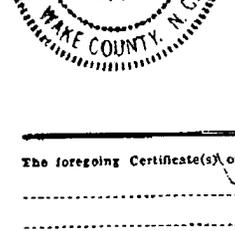
My Commission Expires: 11-4-01 Notary Public



NORTH CAROLINA, Wake County

I, a Notary Public of the County and State aforesaid, certify that Gabriel Chau, Partner of PEXA GROUP, a North Carolina General Partnership Grantor, personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 3 day of August, 1998.

My Commission Expires: 11-4-01 Notary Public



My commission expires: Notary Public

The foregoing Certificate(s) of Linda L. Ring

is/are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the first page hereof.

Laura M. Riddick REGISTER OF DEEDS FOR Wake County Deputy/Notary Public

BK 8118PG0636

northwestern corner of the Holland property according to a deed recorded in Book 1807, Page 253, Wake County Registry, thence from said beginning point S 85° 13' 04" W 102.29 feet to a point, thence N 36° 50' 07" E 25.45 feet to an existing iron pipe and thence S 82° 13' 15" E 87.48 feet to the point of beginning containing .022 acres, more or less.

The warranties of title in this deed apply only to Tract One and as to Tract Two the Grantor remises, releases and quit claims all its right, title and interest therein, if any, to Grantee.



Town of Apex

P. O. BOX 250
APEX, NORTH CAROLINA 27502

MAYOR:
KEITH H. WEATHERLY
TOWN MANAGER:
WILLIAM M. SUTTON
TOWN ATTORNEY:
HENRY C. FORDHAM, JR.

November 1, 1998

COMMISSIONERS:
MICHAEL L. JONES, MAYOR PRO TEM
DONALD W. GRIMES
CARL R. HELTON
CHRISTINE L. HILT
R.D. MECKES

Mr. Vernon Hershberger
Thompson and Associates
5821 Holly Springs Rd.
Raleigh, NC 27606

Dear Mr. Hershberger:

As you requested, I am confirming that the area of 2024 E. Williams St. in Apex is within our response district for fire protection. This shall also serve as confirmation that we participate in Wake County's First Responder program. If you have any further questions, please contact me at (919) 362-4001.

Thank you.

Sincerely,

W.H. Stevenson III
Fire Chief

*File # 0790.02-85-0490
2.2*



NOTE: The requirements in the National Flood Insurance Program (NFIP) Handbook apply to all areas that are too narrow to show on a 1:25,000 scale. Highway Data Table where floodway width is shown at 1:25,000 scale. Coastal base flood elevations apply only to the landward of the shoreline. The National Flood Insurance Program (NFIP) is administered by the Federal Emergency Management Agency (FEMA) under the Coastal Barrier Resources Act (16 U.S.C. 1621-1624).

Corporate limits shown are current as of the date of this map. The user should verify the corporate limits shown on this map with the appropriate local government. For community panel revision history, please refer to the Community Map History on the Flood Insurance Study Report. For additional panels, see separate printed map index.

MAP REPOSITORY

Refer to Repository Listing on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

MARCH 3, 1992

EFFECTIVE DATES OF REVISIONS TO THIS PANEL

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at 800-638-6620.



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

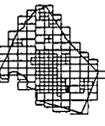
FIRM FLOOD INSURANCE RATE MAP

WAKE COUNTY, NORTH CAROLINA AND INCORPORATED AREAS

PANEL 495 OF 810
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COUNTY	COMMUNITY	NUMBER	PANEL	SUFFIX
Apex	Town of Apex	370467	0495	E
Holly Springs	Town of Holly Springs	370403	0485	E
Unincorporated	Unincorporated Areas	370368	0495	E

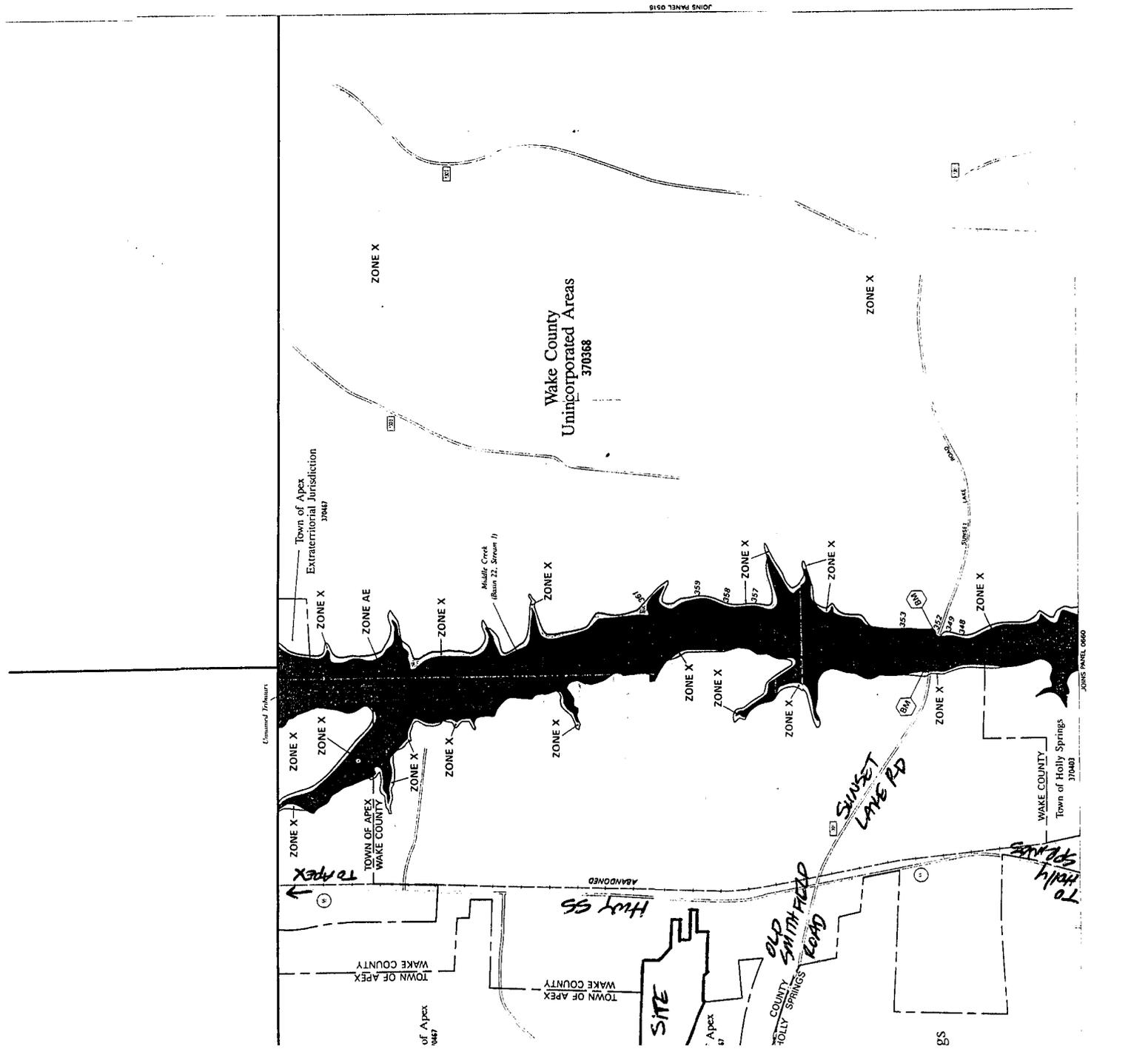
PANEL LOCATION



MAP NUMBER: 37183C0495 E
EFFECTIVE DATE: MARCH 3, 1992



Federal Emergency Management Agency



Neal C. Floyd & Associates, Inc.

August 19, 2000

Vernon Hirschberger
Thompson and Associates, P. A.
5821 Holly Springs Road
Raleigh, NC 27606

RE: Blythe Recycling Facility
2024 E. Williams Street

Soil Evaluation Report

Dear Vernon,

I reviewed the current soil condition of the Blythe Recycling Facility to determine if a perched water condition exists. I used soil pits to evaluate the depth to active chroma 2 mottles within the remaining soil profile. At this juncture, the facility has been graded to create the 50-foot stockpile setback berm and divert surface water into the sediment control pond. Approximately 2 to 4 feet of solum (A and B horizons) have been removed. The remaining soil profile is BC/C/CR depending on the landscape position. All pits had pale to dusky red disintegrated shale at 30 to 36 inches. Any gray colors in the C horizon are inherited from the parent rock. Above the C, the BC varied from a reddish yellow (7.5 YR 6/8) to (5 YR 5/6) with some faint few light gray (5 YR 7/1) mottles. These gray colors no longer indicated active perched water only relict mottling in the profile since construction of the facility. The remaining BC/C is slowly permeable, but due to the improved surface drainage water moves rapidly to the erosion control structure eliminating any possible perching. Secondly, all natural channels such as roots have been removed reducing any accumulation of water in the profile except here the remaining clay has been remolded and compacted.

The parent material at the site is Triassic Mudstone, sandstone and shale. The resulting soils are shallow over this parent material with the resulting groundwater table to be generally greater than 50 feet. Overall, the site has been modified to eliminate any perched water through surface water control and removal of the expansive clay Bt which prevented the downward movement of water. Review of the original delineation, indicates that a large portion of the facility in fact was free of perched water condition detrimental to approval.

Based on the original evaluation and the secondary follow-up pit evaluation, the site appears to be free of a perched water condition.

If there are any questions or concerns, please contact me

Sincerely,

Neal C. Floyd
Neal C. Floyd
Soil Scientist

