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**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

August 23, 2006

Mr. W. Michael Brinczek, PE  
Camp Dresser & McKee  
5400 Glenwood Ave., Ste. 300  
Raleigh NC 27612

Dear Mr. Brinczek:

Enclosed is your permit for Cumberland County to operate a Solid Waste Treatment and Processing Facility at the intersection of Wilkes Road and NC 87 in Cumberland County. The Operation and Maintenance Manual for the facility has been incorporated into the permit conditions.

Please carefully read all permit conditions. Note that post-closure maintenance conditions for the previously permitted demolition landfill are included in the permit conditions. The permit conditions also address processing requirements for existing pallets at the site.

Dennis Shackleford, Waste Management Specialist, will be responsible for facility inspections. Mr. Shackleford can be contacted at 910-433-3300. Should you have questions, please feel free to contact me at 919-508-8508.

Sincerely,

Ted Lyon, Supervisor  
Composting & Land Application Branch

Cc: Dennis Shackleford, Waste Management Specialist, Fayetteville Regional Office

h:cla/T&p/Permits/Cumberland/T&P-26-10\_07-06\_cl

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

Michael F. Easley, Governor  
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Dexter R. Matthews, Director



STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
DIVISION OF WASTE MANAGEMENT  
1646 MAIL SERVICE CENTER RALEIGH, N.C. 27699-1646

**Cumberland County**

is hereby issued a permit to operate

**Wilkes Road Yard Waste Treatment and Processing Facility**

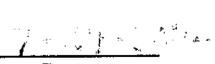
Located at

At NW Corner of intersection of Wilkes Road and NC 87 South  
in Cumberland County, NC

**Permit Number 26-10**

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.

  
\_\_\_\_\_  
Edward F. Mussler, III P.E.,  
Permitting Branch Supervisor  
Permitting Branch  
Solid Waste Section

  
\_\_\_\_\_  
Date

1646 Mail Service Center, Raleigh, North Carolina 27699-1646  
Phone: 919-733-0692 \ FAX: 919-733-4810 \ Internet: [www.enr.state.nc.us](http://www.enr.state.nc.us)

Wilkes Road Yard Waste Treatment and Processing Facility  
Cumberland County  
Permit # 26-10

Permit Conditions

1. Operation and maintenance of this facility shall be in accordance with the Solid Waste Management Rules (15A NCAC 13B, Section .0302), the permit application and the Operation Plan submitted with the permit application. Failure to comply may result in compliance actions or permit revocation.
2. This permit includes a yard waste treatment and processing area, a household waste collection area, and a previously permitted demolition landfill. The previous permit number was 26-F.
3. Any leachate generated at the treatment and processing facility and the waste collection area shall be managed in such a manner that there will be no degradation of ground or surface waters.
4. This facility shall be operated in such a manner that soil erosion and runoff from the site shall be controlled. Runoff control structures shall be maintained as approved. It is the responsibility of the facility to assure that surface water standards are not violated.
5. All waste and processed materials shall be maintained at least 50 feet from property lines and the at least 50 feet from the ditch adjacent to Wilkes Road. Wastes and processed materials shall be maintained a least 10 feet from the edge of any surface drainage features at the facility. Vegetative buffers shall be maintained around maintained
6. Non conforming waste received at the facility shall be maintained in the on-site dumpster or removed and recycled or disposed of at the adjacent landfill 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 1<sup>st</sup> of each year for the previous July 1 to June 30.
10. 75% of materials received shall be treated or processed and distributed within 12 months of receipt unless a treatment or process, that is approved by the Solid Waste Section, is used which takes longer than 12 months.
11. This permit shall expire on **July 24, 2011**. Changes in ownership, increase in facility capacity, process changes or receiving additional wastes shall require a permit modification. Any modifications to the Treatment and Processing Rules will have to be addressed within 90 days of the effective date of those rules.
12. Pallets received prior to January 1, 2006 shall be processed and removed from the facility by November 1, 2006.

Wilkes Road Yard Waste Treatment and Processing Facility  
Cumberland County  
Permit # 26-10

13. **POST-CLOSURE MAINTENANCE CONDITIONS:** The required post-closure maintenance for the previously permitted demolition landfill located at this facility shall consist of whatever measures, procedures, and activities required to maintain this facility in compliance with those closure conditions specified within these conditions. More specific closure conditions, in addition to Section .0510, for this facility include:
- A. Closure, in accordance with the "Operational Requirements for Landfills" Section .0566, unless otherwise specified in the permit for this facility is as follows:
    - I. The final cover thickness of one foot (1') of suitable compacted earth shall be maintained;
    - II. Permanent erosion control measures shall be maintained;
    - III. Drainage control measures shall be implemented as part of site maintenance to prevent the impoundment of surface water over disposal areas at the facility;
    - IV. Temporary seeding, covered with straw and tacking, or similar material shall be used to prevent erosion in the event of site maintenance involving earth moving/filling activities.
    - V. Vegetation consisting of native grasses or combination of grasses to promote a year round vegetative cover sufficient to restrain erosion shall be maintained. This includes establishing property fertility, seeding and mulching.
    - VI. Ground water separation of four (4) feet shall be maintained and/or devices utilized to maintain ground water at four (4) feet.
    - VII. Leachate control measures shall be implemented for containment of leachate on-site.
  - B. All disposal sites, either operating or closed are subject to the explosive gas requirements of Section .0566 (13) (a & b), and the ground water requirements of Section .0566 (15), if applicable.
  - C. The closure of the LCID Landfill shall become effective upon notification and certification, as provided for in this letter, by the facility owner that the facility complies with closure conditions stated, and shall be maintained in compliance with the post-closure conditions specified in this letter.
  - D. Documentation exists in the Solid Waste Section files, that Permit No. 26-F was recorded with the Register of Deeds office in Cumberland County for the subject property.



5400 Glenwood Avenue, Suite 300  
Raleigh, North Carolina 27612  
tel: 919 787-5620  
fax: 919 781-5730

January 31, 2006

**APPROVED**  
DIVISION OF WASTE MANAGEMENT  
SOLID WASTE SECTION  
DATE 7/24/06 BY TL

Mr. Ted Lyon  
North Carolina Department of Environment and Natural Resources  
Solid Waste Section  
Composting & Land Application Branch  
401 Oberlin Road, Ste. 150  
Raleigh, NC 27605

Subject: Cumberland County, North Carolina  
Wilkes Road and Yard Waste Treatment and Processing Facility  
Permit Amendment – Operations Plan  
CDM Project No. 2724-37922  
Response to Comments

Dear Mr. Lyon:

This letter has been prepared in response to the North Carolina Department of Environment and Natural Resources (NCDENR) technical review letter dated December 7, 2005 for the above referenced project.

In order to assist in the Solid Waste Section's review of this response letter, this submittal has been formatted to present the NCDENR's comment (in italics type) followed immediately by Camp Dresser & McKee's (CDM's) response.

We trust these responses and associated support documentation are sufficient for your review. If you have any additional questions, please do not hesitate to call. We appreciate your assistance in reviewing this Permit Amendment for the Wilkes Road and Yard Waste Treatment and Processing Facility.

Very truly yours,

W. Michael Brinchek, P.E.  
Camp Dresser & McKee

cc: B. Howard, CCSWD  
M. Sanford, CDM  
J. Wiseman, CDM  
File: 2724-37922

39722



1/31/2006

# CDM

Mr. Ted Lyon  
January 31, 2006  
Page 2

**Comment 1:** *The application indicates that material may remain unprocessed for 45 to 60 days. There does not appear to be an indication of the length of time "each of the materials are expected to remain on site prior to processing and removal to market or disposal".*

**Response:** Section 2.2 of the Permit has been revised to include the length of time each material is expected to remain on site prior to processing and removal to market or disposal.

**Comment 2:** *The site plan still does not indicate where wood chips are proposed to be colored and coloring wood chips is not included in the operations plan. The fact that the dye is non hazardous does not mean a contingency plan is not necessary for spills of the dye in liquid or powdered form.*

**Response:** Section 2.2 of the Permit has been revised to indicate where the wood chips will be colored. Section 2.8.1.1 has been included to provide a contingency plan in the event of a dye spill.

**Comment 3:** *Record keeping forms were not found in Appendix D and the operation plan does not indicate when the annual reports are due.*

**Response:** Section 2.9 has been revised to include when the reports are due and a copy of the record form and annual report are attached in Appendix D

**Comment 4:** *The product screen is not located on the site plan.*

**Response:** The product screen is mobile and does not remain in the same location; however it generally remains in the landscape material processing area, which is identified on the site plan.

**Comment 5:** *Wetlands have been delineated on the site plan. However, the permitting guidelines included in the application, as Appendix A, indicate that a facility not be located where seasonal wetness is within 12 inched of the soil surface. This is not necessarily consistent with wetlands*

**Response:** Groundwater elevations or depths to seasonal wetness were not established for the current operating units prior to beginning facility operations. The County's current plans are to continue using the operating units as designated by this Permit without expansion. Should the County plan to expand operations into adjacent areas other than specified by the Permit, a modification will be



Mr. Ted Lyon  
January 31, 2006  
Page 3

submitted to NCDENR for review and approval , which will include both the proposed expansion area and any determined potentiometric contours or identified seasonal wetness located within a few feet of the ground surface.

**Comment A:** *Low carbon nitrogen wastes such as grass clippings are not to be managed at a treatment and processing facility. This should be specified in the operation plan*

**Response:** Section 2.2 has been revised to include low carbon nitrogen wastes as "unacceptable" materials.

**Comment B:** *Section 2.1 of the operations plan indicates that there are five units of the facility. These five units are not consistent with the labels on the site plan and the site plan does not indicate an area for processed materials or products*

**Response:** Section 2.1 and the site plan have been modified to consistently represent the same units. Processed materials will remain in the same general areas as the raw materials. The Permit has been modified to represent this.

**Comment C:** *The application indicates that the facility could receive as much as 200 tons of material per day, but does not indicate how long this amount of waste may be received without exceeding capacity. Facility capacity should be given in cubic yards and tons.*

**Response:** Section 2.2.2 has been included to provide the approximate facility capacity in cubic yards and tons. The application does not indicate how long 200 tons of material per day can be received before exceeding capacity since the capacity is a function of the outflow of processed materials, which is highly variable and dependent upon market fluctuations.

**Comment D:** *The operation play should address operation of the household drop off area since it will be part of the permitted area.*

**Response:** Section 2.2.4 of the Permit has been revised to include the operation of the household drop off area.

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## Appendices

- Appendix A Treatment and Processing Permit Guidance*
- Appendix B Wilkes Road Yard Waste Facility Property Deed*
- Appendix C Permit No. 26-F*
- Appendix D Record Keeping Forms*
- Appendix E Fire Marshall Certification*

# Section 1

## Introduction

### 1.1 Purpose

This plan has been prepared for the Cumberland County Yard Waste Facility Permit Amendment. The purpose of this plan is to provide Cumberland County with a manual that will serve as an operations guide for the Wilkes Road Yard Waste Facility. This operations plan has been prepared in accordance with the treatment and processing guidance document and the North Carolina Solid Waste Rules 15A NCAC 13B .0300. A copy of the guidance document is included as Appendix A. The North Carolina Solid Waste Rules 15A NCAC 13B .1400 were also referenced for general information. This plan addresses the following issues:

- Facility operations;
- Materials received and processed;
- Management of non-recyclable materials;
- Uses for recycled materials;
- Fire Marshall Certification;
- Equipment utilized to process and handle materials;
- Contingency plans; and
- Records indicating the inflow and outflow of material.

### 1.2 Facility Location

The Wilkes Road Yard Waste Facility (Facility) is located off Wilkes Road (S.R. 1007) west of the intersection of Wilkes Road and N.C. Highway 87. The facility is sited on approximately 51 acres of Cumberland County property. Figure 1-1 shows the general location of the facility. A legal description of the property is provided by copy of the property deed included in Appendix B.

### 1.3 Facility Description

The facility was permitted on July 1, 1986, by the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section (SWS) under Permit No. 26-F, as a Demolition Landfill. A copy of Permit No. 26-F is included as Appendix C. The 10 acre Demolition Landfill was temporarily capped using a 1-foot-thick compacted soil cover in August, 1992 by the County, for possible future materials mining.

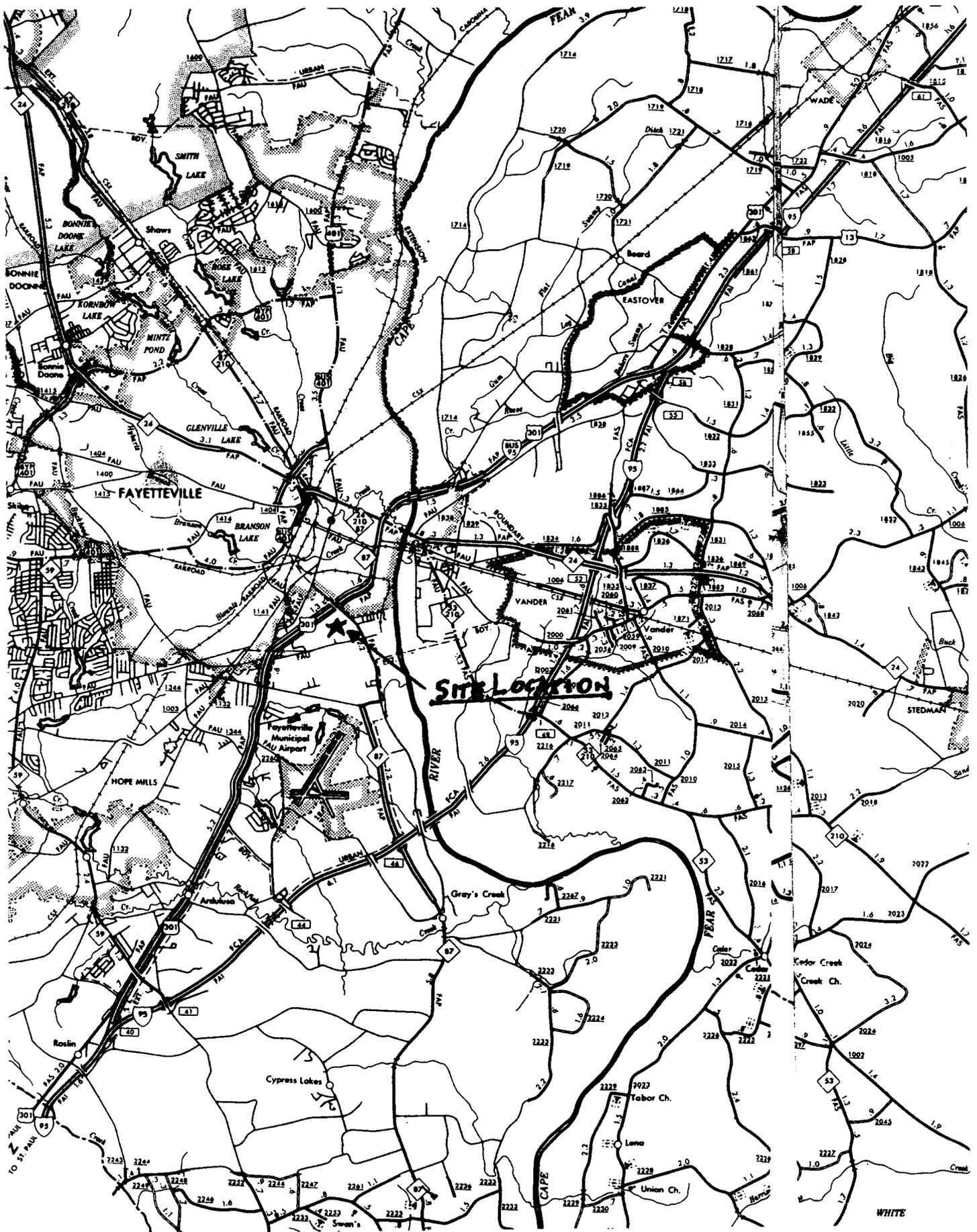


Figure No. 1-1  
Vicinity Map

The current yard waste treatment and processing unit, sited within the facility limits, began operations on August 1, 1995 and is located adjacent to and east of the Demolition Landfill.

The treatment and processing unit includes the following:

- A scale house;
- Stockpile areas for residential yard waste and commercial land clearing and inert debris;
- Stockpile area for wooden pallets;
- Overflow stockpile area;
- Landscape material processing area; and
- Equipment Storage and Household Drop-off Area.

A site plan showing the approximate location of these components and the Demolition Landfill is included in Figure 1-2. An aerial photograph showing a 1,000-foot boundary around the Facility is included as Figure 1-3.

## **1.4 Demolition Landfill Closure Verification**

On July 5, 2005 CDM performed depth checks using a hand auger in 42 locations, to verify the 1-foot-thick compacted soil cover. Areas that did not meet the minimum 1-foot-thick requirement were addressed by the County and re-verified by CDM on September 26, 2005 to confirm the minimum 12-inch-thick cover requirement.

## **1.5 Service Area**

The facility currently serves all Cumberland County residents and commercial establishments. Cumberland County, approximately 658 square miles in size, includes the municipalities of Falcon, Fayetteville, Godwin, Hope Mills, Linden, Spring Lake, Stedman and Wade.

# Section 2

## Operations Plan

### 2.1 Facility Description

The Wilkes Road Yard Waste Facility (Facility) operates as a receiving, processing, and hauling facility for land clearing debris, yard waste, and wooden pallets. This facility is owned by Cumberland County, North Carolina and operated by the Cumberland County Solid Waste Management Department. The facility is comprised of the following units: (1) a stockpile and processing area for residential yard waste and debris and commercial yard waste and land clearing debris (2) a stockpile and processing area for wooden pallets, (3) an overflow storage area for raw residential yard waste and debris and commercial yard waste and land clearing debris for emergency events, (4) a landscape material stockpile and processing area, and (5) equipment storage area and household drop-off area.

### 2.2 Waste Acceptance and Processing Procedures

Commercial and residential haulers transporting raw waste materials enter the Facility off Wilkes Road and are directed to the weigh station. The weigh station attendant determines the weight of material to be unloaded and the associated costs to the hauler. The weigh station attendant also determines if the waste material is deemed "acceptable material" or "unacceptable material" for disposal. Haulers carrying materials that cannot be processed at the facility, "unacceptable material," are instructed to haul the material to the Ann Street Landfill for disposal. "Unacceptable material" shall include low carbon nitrogen wastes such as bulk grass clippings, construction demolition debris, etc.

Acceptable materials including land clearing debris, yard waste and wooden pallets will be received and unloaded at the appropriate stockpile location. Pile sizes of acceptable materials shall not exceed 30 feet in width and 15 feet in height to avoid spontaneous combustion and to maintain a manageable pile size in the event of a fire.

Raw land clearing debris and yard waste materials, and wooden pallets will be processed by the County personnel using a mobile tub grinder. The tub grinder has a built-in color system, which may be used during the processing of wooden pallets. Raw materials will be processed in areas previously designated on Figure 1.2, with dye processing occurring at the designated pallet stockpile and processing area.

Processed clearing debris and yard waste materials are stockpiled for either hauling or further processing as screened landscape material. Screened landscape material is processed and stockpiled within the landscape material processing area as previously designated on Figure 1.2. Unscreened grinding materials, commonly referred to as "boiler material", are removed from the site by commercial users at no cost. Screened landscape material and grinding material from wooden pallets are sold to residential and commercial haulers.

Under normal operating conditions, clearing debris and yard waste materials are processed the same day they are received by the facility. During high volume and production periods, raw clearing debris and yard waste materials may remain unprocessed up to 40 days. Depending on market fluctuations and demand, processed clearing debris and yard waste materials may remain on-site up to 90 days.

Under normal operating conditions wooden pallets are stockpiled until a sufficient amount of raw materials are available for processing (approximately 500 cy). Wooden pallets may remain unprocessed up to 60 days. Depending on market fluctuations and demand, processed wood chips may remain on-site up to 90 days.

### **2.2.1 Estimated Quantities of Waste**

The facility receives and processes on average approximately 100 tons of total waste per day, with a current capacity to receive and process approximately 150 tons per day. Approximately one ton of all incoming waste material per day is composed of wooden pallets. The remaining material is residential yard waste and debris and commercial yard waste and land clearing debris.

In response to an emergency event, as described in Section 2.8, the facility is capable of processing and/or storing up to approximately 200 tons of materials per day.

### **2.2.2 Facility Capacity**

The facility capacity for both processed and unprocessed residential yard waste and debris and commercial yard waste and land clearing debris is approximately 25,000 cy. Assuming unprocessed yard waste material and debris has an average specific weight of 300 lbs/cy and processed yard waste material and debris has an average specific weight of 500 lbs/cy, the facility capacity for yard waste material and debris will vary approximately between 3,750 tons and 6,250 tons depending upon the proportions of processed and unprocessed material.

The facility capacity for wooden pallets is approximately 6,400 cy. Assuming wooden pallets have a specific weight of 185 lbs/cy the facility capacity for wooden pallets is approximately 590 tons.

### **2.2.3 Uses of Recycled Materials**

The recycled materials at the facility consist of screened and unscreened grinded material (mulch) from the land clearing debris and yard waste material, and wood chips from the wooden pallets. Unscreened grinded materials from land clearing debris and yard waste materials are provided as "boiler fuel" to commercial haulers at no cost. Screened materials and wood chips are sold to commercial and residential haulers.

## **2.2.4 Management of Non- Recyclable Materials**

All non-recyclable materials generated by the facility including incidental trash and household wastes are disposed of in approved containers (roll-off bins) located at the household drop-off area and hauled to the Ann Street Subtitle D Landfill for final disposal. Roll-off containers are emptied at a minimum frequency of once every two days.

## **2.3 Operating Hours**

The facility is open from 8:00 am to 4:00 pm Monday through Saturday, except on County holidays. Materials processing is generally conducted during hours of operation. In response to an emergency event as described in Section 2.8, the hours of operations remain the same, but materials processing may be extended to handle the additional materials until conditions return to normal.

## **2.4 Operating Equipment**

The facility utilizes the following equipment on a daily basis:

- 1 – Excavator
- 1 – Dozer
- 1 – Track Loader
- 1 – Wheel Loader (6 cylinder)
- 1 – Wheel Loader (3 cylinder)
- 1 – 5,000 Gallon Water Tanker
- 2 – Tub Grinder
- 1 – Power Screen

## **2.5 Operating Personnel**

The Facility currently utilizes a staff composed of 5 personnel. One employee operates the weigh station, while the other four employees are utilized in equipment operation and processing of the waste material.

## **2.6 Drainage Control**

Surface water runoff shall be diverted from the operational areas. Excessive surface water creates difficulties for maneuvering equipment. Temporary diversion berms and drainage channels shall be employed to divert water from the operational areas as necessary. In addition, all operational areas shall be properly graded to prevent ponding of surface water and allow surface water runoff in a controlled manner. Grading will also be performed as required to deter ruts from occurring around stockpiles.

## **2.7 Erosion and Sedimentation Control**

Adequate sediment control measures shall be utilized to capture and control sediment prior to discharging off-site and to prevent excessive on-site erosion of slopes and

roadways. Disturbed areas not being utilized for stockpiling or processing of materials shall remain properly stabilized in accordance with the NCDENR Sedimentation and Erosion Control Guidelines.

Surface water runoff passing through the operational areas shall be diverted to a series of existing on-site channels, previously identified in Section 1, Figure 1-2 of this report. The existing channels convey stormwater to the northeast and southeast corners of the site where it is treated by rock dams prior to discharging from the site. The rock dams were installed by the County at the direction of NCDENR and in accordance with the NCDENR Sedimentation and Erosion Control Guidelines.

## **2.8 Contingency Plans**

At times when major occurrences or incidents happen outside the control of the facility personnel that drastically effect the operations of the facility, an operational contingency plan is enacted. Contingency Plans are necessary in the case of equipment failures, fire events, medical emergencies, or catastrophic events to maintain a minimal level of operational efficiency.

### **2.8.1 Equipment Failures**

In the case of equipment failures, the County utilizes in-house maintenance personnel and local supplier representatives. If the maintenance of a piece of equipment requires a significant amount of time to resolve in the opinion of the personnel, then equipment can be utilized from the Ann Street Subtitle D Landfill to minimize downtime. If equipment failure ceases current operations, such as failure of the tub grinder, the County can utilize the overflow stockpile area until the equipment is repaired. If additional equipment is required, equipment is borrowed from the Ann Street Subtitle D Landfill.

#### **2.8.1.1 Tub Grinder Failure – Dye Spill**

In the event of a dye spill the County will discontinue dye operations. Impacted soils will be removed and temporarily disposed into a roll-off container and carried to the Subtitle D landfill for final disposal. The impacted area will be properly stabilized in accordance with NCDENR Sedimentation and Erosion Control guidelines. Following cleanup, the cause of the spill will be determined. In the event of a spill due to equipment malfunction, the equipment will be repaired.

### **2.8.2 Fire Events**

In the event of a fire the standard procedure is for facility personnel to immediately contact the Cumberland County Fire Department via the County's 911 calling system. Once the local fire department is contacted, facility personnel respond to the situation using the water tanker and onsite hydrant, until the fire department arrives.

### **2.8.3 Medical Emergency**

When medical emergencies occur, local emergency medical personnel are contacted via the Cumberland County 911 calling system and other emergency contact numbers. The standard procedure is to notify immediately the proper agencies and authorities of medical emergencies at this facility. There are emergency supplies located in the onsite first aid kit that are used for immediate response to these types of emergencies until properly trained personnel arrive.

### **2.8.4 Catastrophic Events**

The County has operation plans in place to deal with catastrophic events that affect the increase of material disposed at the facility. For natural disasters, the County can accept up to 200 tons of acceptable waste material per day. Material not processed is temporarily placed in the overflow stockpile and is processed once operations return to normal.

Should a catastrophic event damage the working area, the facility will remain in operation under a revised plan as follows. A staging area shall be created to facilitate the removal of debris and impediments from the normal work area to allow the facility personnel and equipment to eventually return to that area and resume daily activities as normal as possible.

## **2.9 Record Keeping**

Facility personnel maintain computerized records for material inflow and cash and charges received by the facility. Total annual quantities are compiled and an annual report is prepared each year, on or before August 15, summarizing yearly quantities and activities and submitted to the North Carolina Department of Environment and Natural Resources (NCDENR). A copy of the County's annual report and record keeping form is provided in Appendix D.

## **2.10 Facility Access and Security**

### **2.10.1 Security**

Incoming raw waste material enters the facility through the entry point located near the rear of the facility. All vehicles disposing of waste at the facility enter and leave through the access control gates. All waste entering the landfill must be weighed at the scale where a full-time attendant verifies compliance with operation requirements. Unauthorized vehicle access is prevented by lockable gates at the entrance and exit and chain link fencing along the facility boundary.

### **2.10.2 Access Roads**

Facility access roads are composed of crushed stone paving and maintained in good condition.

### **2.10.3 Signage**

The State of North Carolina General Statutes state that a sign providing information on disposal procedures, operation hours, tipping fee, permit number, and other pertinent information shall be clearly posted at the site entrance. Additionally, signs shall be clearly posted stating that no hazardous or liquid waste can be received. A sign is provided that displays the facility's name and the hours of operations. The County also provides a handout to the citizens identifying all county-owned waste management sites and accepted wastes for each site. The County's website also displays information about the County's waste management sites and accepted waste materials.

### **2.11 Fire Marshall's Certification**

See Appendix E for a copy of the Fire Marshall's Certification letter.

Appendix A  
Treatment and Processing  
Permit Guidance

## TREATMENT AND PROCESSING

Treatment and processing permits are issued by the Division of Waste Management, Solid Waste Section for facilities that receive wastes and treat or process those wastes for utilization by recycling, reclaiming, or for final disposal. Facilities that receive primarily organic wastes to be treated or processed for recycling or reuse in soil or plant related uses are normally permitted by the Composting and Land Application branch of the Solid Waste Section.

Facilities that receive wastes to be treated or processed for final disposal or uses that are not soil/plant related are normally permitted by the Permitting Branch of the Solid Waste Section. This would include facilities that receive inert debris or construction demolition waste and reuse a portion of the waste while disposing of the rest. Air curtain burners would be permitted by the Permitting Branch.

Requirements for Treatment and Processing Facilities that receive wastes to be treated for recycling or reuse in soil or plant related uses may be found in Section .0300 of the Solid Waste Management Rules and in this document. Included in this document are requirements for facility siting and operation and for permit applications. If part or all of the process results in heat being generated through biological means a permit to operate a compost facility will be required. Individuals wishing to compost should refer to the Solid Waste Compost Rules in Section .1400 of the Solid Waste Management Rules.

Technical assistance is also provided in this document on how to complete application requirements. Application requirements vary for these facilities based on what is being treated or processed and how it is being accomplished. Application forms are not used due to the variable requirements.

The following definitions will apply in this document.

"Land clearing waste" means solid waste which is generated solely from land clearing activities such as stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material.

"High C: N ratio Yard trash" means solid waste resulting from landscaping and yard maintenance such as brush, tree limbs, and similar vegetative materials that has a C: N ratio higher than 75.

"Untreated and unpainted wood waste" means solid waste wood material that has not been glued, treated with preservatives, painted, stained, or varnished.

"Agricultural processing wastes" means materials that are derived from agricultural products that have been through a processing or receiving facility such as tobacco dust or cotton gin trash.

Treatment and processing at facilities that receive primarily organic wastes to be treated or processed for recycling or reuse in soil-plant related industries might include activities such as:

- Grinding or chipping land clearing debris, high carbon nitrogen yardwaste, and untreated and unpainted pallets or construction wood waste into mulch or boiler fuel. Certain treated wood wastes such as particleboard may also be ground or chipped into boiler fuel.
- Land clearing debris and high carbon nitrogen ratio yard waste may be piled up and allowed to decompose through natural means.

- Certain agricultural processing wastes such as tobacco dust and cotton gin trash, as well as approved coal or wood ash, untreated and unpainted wood fibers, and wall board could also be received at a treatment and processing facility for the manufacture of soil products.

Waste products other than land clearing debris and high C: N ratio yard waste will be considered for treatment and processing facilities on a case by case basis. A variety of tests may be required to determine the if a waste can be managed at a treatment and processing facility. Testing requirements may vary significantly, depending on the waste and its source. The minimum sampling requirement will be four waste analyses from the NC Department of Agriculture Lab.

All treatment and processing facilities are required to obtain a permit to construct and operate the facility unless all the following requirements are met.

- (1) Only land clearing debris, untreated and unpainted wood waste, and high C: N yard trash are managed at the facility.
- (2) The facility shall be less than 2 acres in size and shall not process or store more than 6000 cubic yards of material per three month period, or have on hand at any one time a combination of waste material and finished product that exceeds 6000 cubic yards.
- (3) The facility notifies the Division of Waste Management, Solid Waste Section annually of all activities and files an annual report with the Section.

Forms for Treatment and Processing notifications are available upon request. Treatment and processing notification sites are subject to all Federal, State, or Local laws, ordinances, rules, regulations, or orders, including but not limited to zoning restrictions, flood plain restrictions, wetland restrictions, sedimentation and erosion control requirements, and mining regulations.

Siting criteria for treatment and processing facilities are:

- (1) Facilities shall not be located in the 100-year floodplain.
- (2) Facilities or practices shall not cause or contribute to the taking of any endangered or threatened species of plants, fish, or wildlife.
- (3) Facilities or practices shall not result in the destruction or adverse modification of the critical habitat of endangered or threatened species as identified in 50 CFR Part 17 which is hereby incorporated by reference including any subsequent amendments and editions. This material is available for inspection at the Department of Environment, Health, and Natural Resources, Division of Solid Waste Management, 401 Oberlin Road, Raleigh, North Carolina 27605 where copies can be obtained at no cost.
- (4) A facility shall not be located where the permanent, seasonal or perched water table is located within 12 inches of the soil surface. Seasonal water table information shall be provided from hand auger borings, test pits or other suitable site specific methods that depicts seasonal groundwater depth at the site.
- (5) Facilities or practices shall not cause point or non-point source pollution of waters of the state that violates assigned water quality standards.
- (6) The facility shall meet the following minimum buffer requirements:
  - a) 100 feet from the waste boundary to all surface waters of the state as defined in G.S. 143-212 and all property lines.
  - b) 200 feet from the treatment and processing area to residential dwellings and commercial or public buildings.

- c) 100 feet from water supply wells.
  - d) Buffer requirements may be adjusted as necessary to insure adequate protection of public health and the environment. Buffer adjustments may vary with the method of treating or processing and the material being received at the facility.
  - e) Setbacks and seasonal water table separations may be increased if nitrogen containing, putrescible or pathogen containing wastes are managed at the facility.
- (7) The facility shall meet all requirements of any applicable zoning ordinance. In areas zoned for industrial uses horizontal setbacks may be reduced if local zoning setbacks are less and the reduction will not adversely affect the any part of the sedimentation and erosion control plan.

Operation requirements for treatment and processing facilities are:

- (1) Adequate erosion control measures, structures, or devices shall be utilized to control runoff and prevent silt or nutrients from leaving the site and to prevent excessive on site erosion. The site shall be managed in such a manner as to prevent standing water on the site to prevent the attraction of vectors.
- (2) Access roads shall be of all-weather construction and properly maintained.
- (3) A sign shall be posted at the facility entrance showing the contact name and phone number in case of an emergency.
- (4) The site shall be managed in such a manner as to avoid the attraction of vectors.
- (5) Record Keeping
- (6) An annual report shall be submitted to the Division of Waste Management, Solid Waste Section, by August 1<sup>st</sup> of each year for the previous July 1 through June 30.
- (7) Facilities that qualify as a notification site shall annually complete treatment and processing notification form. Notification forms will be provided by the Solid Waste Section upon request.

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.
5. Provide a legal description of the property and a copy of the deed for the property with metes and bounds.
7. 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.cla/treat&pr/tr&pr3

Appendix B  
Wilkes Road Yard Waste Facility  
Property Deed

Appendix C  
Permit No. 26-F

PERMIT NO. 26-F

DATE ISSUED 7/1/85

STATE OF NORTH CAROLINA  
DEPARTMENT OF HUMAN RESOURCES  
DIVISION OF HEALTH SERVICES

P.O. Box 2091 Raleigh 27602

SOLID WASTE PERMIT

Cumberland County is hereby issued a permit to  
operate a Demolition Landfill  
located on Highway 87 and Wilkes Road

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. The facility is located on the below described property.

BEGINNING at a concrete monument in the western margin of N. C. 87 (150 foot wide right-of-way), said concrete monument being located at the northern end of a site easement at the intersection with the northern margin of Wilkes Road (60 foot wide right-of-way), and proceeding thence for a first call from the western margin of N. C. 87, South 27 degrees 21 minutes West 51.82 feet to a concrete monument located in the northern margin of Wilkes Road, the southern end of said site easement; thence along the northern margin of Wilkes Road, South 79 degrees 12 minutes West 1284.42 feet to a point approximately in the middle of N. C. S. R. 2211 (60 foot wide right-of-way) where it intersects Wilkes Road; thence continuing along the northern margin of Wilkes Road, South 79 degrees 06 minutes West 1041.10 feet to a point located approximately in the middle of N. C. S. R. 2302 (60 foot wide right-of-way) where it intersects the northern margin of Wilkes Road; thence continuing along the northern margin of Wilkes Road with the following calls and distances: South 79 degrees 22 minutes West 862.28 feet; South 78 degrees 15 minutes West 100.27 feet; South 77 degrees 24 minutes West 100.19 feet; thence South 76 degrees 15 minutes West 100.32 feet; thence South 74 degrees 59 minutes West 100.32 feet; thence South 74 degrees 41 minutes West 70.11 feet; thence South 74 degrees 46 minutes West 228.04 feet to a concrete monument; thence leaving Wilkes Road, North 10 degrees 54 minutes West 518.04 feet to a concrete monument located in the Carolina Tel. and Tel. and CP&L 100 foot wide easement; thence North 79 degrees 09 minutes East 1357.53 feet to a concrete monument; thence North 03 degrees 05 minutes East 145.64 feet to a concrete monument located in said 100 foot wide easement; thence North 79 degrees 32 minutes East 2388.49 feet to a concrete monument located in the western margin of N. C. 87; thence along the western margin of N. C. 87, South 24 degrees 29 minutes East 583.17 feet to the point and place of beginning and containing 50.57 acres, more or less.

*William L Meyer*  
William L. Meyer, Head/  
Solid & Hazardous Waste Management Branch  
Environmental Health Section

PERMIT NO. 26-F

DATE ISSUED 7/1/86

## SOLID WASTE PERMIT

### Property Description (continued)

1. This permit may be subject to review at an administrative hearing upon petition of anyone whose legal rights, privileges, and duties may have been affected by the issuance thereof.
2. This permit shall not be effective unless the certified copy is filed in the register of deeds' office, in the grantor index under the name of the owner of the land in the county or counties in which the land is located. After recordation, the certified copy shall be returned to the Solid and Hazardous Waste Management Branch and shall have indicated on it the page and book number, date of recordation and registrar's seal.
3. When this property is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a sanitary landfill for demolition waste, only.
4. The following requirements shall be met prior to receiving solid waste at the site:
  - a. Site preparation in accordance with operational plan.
  - b. Site inspection made by a representative of the Division of Health Services.
5. This solid waste disposal site is permitted to receive stumps, limbs, leaves, concrete, masonry, wood, uncontaminated earth, and demolition and construction wastes and other wastes that may be specifically approved by the Solid and Hazardous Waste Management Branch.
6. The operation of this facility shall conform to Rule .0507 of the Solid Waste Management Rules.
7. An erosion control plan is submitted and approved that complies with 15 NCAC 4 (Sedimentation Pollution Control Law).

Appendix D  
Record Keeping Forms

|                          | C&D              | Landfilled<br>Subtitle "D" | Tires           | Miscellaneous | Yard Waste       | Tires           |
|--------------------------|------------------|----------------------------|-----------------|---------------|------------------|-----------------|
| <b>County Sites</b>      | 7.30             | 14,148.46                  | 82.37           | 5.01          | 3,019.94         | 66.92           |
| <b>County Facilities</b> | 653.90           | 2,116.27                   |                 | 7.47          | 84.60            | 0.24            |
| <b>Fayetteville</b>      |                  |                            |                 |               |                  |                 |
| Garbage                  |                  | 43,475.64                  | 16.98           |               | 16,277.11        | 10.44           |
| Commercial               | 3,289.67         | 1,523.30                   |                 |               | 1,074.41         |                 |
| Rubble-Misc.             | 907.99           | 452.74                     |                 | 1.30          |                  |                 |
| <b>Private Haulers</b>   |                  |                            |                 |               |                  |                 |
| Garbage                  | 576.61           | 36,489.63                  | 40.06           | 63.77         | 4,067.77         | 39.78           |
| Commercial               | 17,013.49        | 38,125.77                  | 1,920.08        |               | 5,064.75         | 2,015.48        |
| Industrial               | 519.13           | 8,041.65                   |                 |               |                  |                 |
| Rubble - C & I           | 5,216.97         | 17,956.10                  |                 | 403.86        |                  |                 |
| Rubble, Mis              | 1,601.28         | 878.01                     |                 | 64.72         |                  |                 |
| <b>Hope Mills</b>        |                  |                            |                 |               |                  |                 |
| Garbage                  |                  | 5,508.09                   |                 |               | 712.94           | 1.40            |
| Commercial               | 7.96             | 762.68                     |                 |               |                  |                 |
| Rubble-Misc.             | 4.93             | 5.25                       |                 |               |                  |                 |
| <b>Spring Lake</b>       |                  |                            |                 |               |                  |                 |
| Garbage                  |                  | 660.86                     | 5.77            |               |                  |                 |
| Commercial               | 26.66            | 1,881.61                   |                 |               | 47.04            |                 |
| Rubble-Misc.             | 3.56             | 356.82                     |                 |               |                  |                 |
| <b>Stedman</b>           |                  |                            |                 |               |                  |                 |
| Garbage                  | 1.34             | 194.85                     |                 |               |                  |                 |
| Rubble-Misc.             | 0.42             |                            |                 |               |                  |                 |
| <b>Office Government</b> |                  |                            |                 |               |                  |                 |
| Garbage                  | 128.91           | 592.41                     | 41.12           | 2.56          | 281.15           | 57.02           |
| Rubble-Misc.             | 293.58           | 261.73                     |                 | 27.15         |                  |                 |
| <b>Fort Bragg</b>        |                  |                            |                 |               |                  |                 |
| Garbage                  |                  |                            |                 |               |                  |                 |
| Commercial               | 9.12             | 61.09                      |                 |               |                  |                 |
| Rubble-Misc.             | 1.84             | 304.25                     |                 |               |                  |                 |
| <b>Pope AFB</b>          |                  |                            |                 |               |                  |                 |
| White Goods              | 1,067.18         |                            |                 |               |                  |                 |
| <b>Storm</b>             |                  |                            |                 |               |                  |                 |
| <b>TOTALS-TONS</b>       | <b>31,331.84</b> | <b>173,797.21</b>          | <b>2,106.38</b> | <b>575.34</b> | <b>30,629.71</b> | <b>2,191.28</b> |

Average Tons Per Day: 103.07      571.70  
 Days of Operation: 304      304  
 Container Boxes Pulled: 7,203  
 # of Vehicles (Ann St.): 74,391

Average Tons Per Day: 102.65  
 Days of Operation: 304  
 # of Vehicles (Wilkes Rd): 22,508  
 # of Veh. H/H Garbage: 12,639

**Revenue Totals:**

**ANN STREET**

\$133,500.05  
 \$1,843,067.94

**\$ 1,976,567.99**

**C & D**

Cash \$358,469.09  
 Charges \$427,662.51

**Total \$ 786,131.60**

**WILKES ROAD**

\$53,031.41 Cash  
 \$41,968.81 Charges

**\$ 95,000.22 Total**

**Grand Totals:**

Tons= 240,632.26  
 Cubic Yards = 962,529.05

Revenue= \$2,857,699.81



Er CUMBERLAND CO  
Shackelford

**Local Government**

**State of North Carolina**  
Department of Environment, and Natural Resources  
Division of Waste Management &  
the Division of Pollution Prevention and Environmental Assistance

## Solid Waste Management Annual Report

July 1, 2004--June 30, 2005

**COMPLETION AND SUBMISSION OF THIS REPORT WILL FULFILL THE ANNUAL REPORTING MANDATE TO THE STATE AS REQUIRED BY G.S. 130 A-309.09A.**

Please submit this form to the county manager by **AUGUST 15, 2005**

*If you have questions or concerns, please contact the Solid Waste Section at 919-508-8400, the Division of Pollution Prevention and Environmental Assistance at 919-715-6500, or your Regional Waste Management Specialist.*

Person Completing This Report: Darlene W Smith Title: Admin Coord  
Mailing Address: 698 Ann St City Fayetteville Zip 28301  
Phone: (910) 321-6914 Date: \_\_\_\_\_  
Fax: (910) 321-6840 E-Mail: darlenesmith@co.cumberland.nc.us

### General Instructions

Please remember that the time period for the report is JULY 1, 2004, through JUNE 30, 2005. Please check "No" if you have nothing to report for a specific question.

1. What is your local government waste reduction goal as stated in your local 10-year solid waste management plan?  
10 % by 2006, and 10 % by 2013
2. Did your local government have a Recycling Coordinator or similar position for FY 04-05?  Yes  No  
Name Recycling Coordinator (if different from person completing this report.)  
Name/Title: Janice Albert Title: Safety/Environmental Prog. Coord.  
Address: 698 Ann St City Fayetteville Zip 28301-8106  
Telephone 910-321-6912 Fax 910-321-6840 E-mail jalbert@co.cumberland.nc.us
3. Did your local government have a Solid Waste Director or similar position for FY 04-05?  Yes  No  
If Yes, Name: Robert L Howard Title: Director/Solid Waste Management  
Address: 698 Ann st City Fayetteville Zip 28301-8106  
Telephone 910-321-6913 Fax 910-321-6840 E-mail robert.howard@co.cumberland.nc.us
4. Did your local government have dedicated or part-time Enforcement Staff for FY 04-05?  Yes  No  
If Yes, Name: Debra Albert & James Barefoot Title: Solid Waste Inspector III  
Address: 698 Ann st City Fayetteville Zip 28301-8106  
Telephone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_
5. Did your local government manage, provide or contract for any solid waste services in FY 2004-05 (e.g., collection, disposal, recycling, mulching, composting)?  Yes  No  
*If No, the report is complete, please turn the report into your County Manager.*

## Part I. Full Cost Accounting

6. What were the full costs of your local government's solid waste management program? To the best of your ability, please respond in the chart below. The following information will be needed to determine your cost per household and cost per ton.

- a. Solid Waste Collection: Number of households served 91,796
- b\*. Solid Waste Disposal: Total tonnage disposed by the local government 124,772
- c. Reduction, Reuse Recycling: Number of households served by 3R program 91,796
- d\*. Reduction, Reuse Recycling: Total tonnage of recyclables recovered by the local government 5843
- e. Mulching/Composting: Number of households served by the program 91,796
- f\*. Mulching/Composting: Total tonnage handled by mulching/composting program 24,078

To calculate the total cost per ton in the table below, **DO NOT** add the cost per ton of the 4 program categories; the total cost of all programs should be divided by the total tonnage managed by the local government.

Equation: Total cost per ton = [(program cost 1+2+3+4) ÷ (b+d+f)]

**Note:** For additional assistance with this section, please contact your manager or finance director.

|                       | 1.<br>Solid Waste<br>Collection | 2.<br>Solid Waste<br>Disposal** | 3.<br>Reduction,<br>Reuse<br>And Recycling | 4.<br>Mulching,<br>Composting and<br>Other Programs | Total Cost |
|-----------------------|---------------------------------|---------------------------------|--|---|------------|
| Program Cost*         |                                 | See Attached                    |  |   |            |
| Cost per Household*** |                                 |                                 |  |   |            |
| Cost per Ton          |                                 |                                 |  |   |            |

\* Item is needed to calculate cost per household and/or costs per ton.

\*\* Estimate either 1. Full-cost of disposal (landfill, transfer station, etc.) including applicable closure costs, or 2. The tipping fee paid by your local government to a disposal facility.

\*\*\* If you are collecting commercial/industrial solid waste or recyclables, you do not need to complete the cost per household section.

Overall Program Cost from above (1+2+3+4) = \_\_\_\_\_

Total Tonnage Managed (b+d+f) = \_\_\_\_\_

7. If your local government contracts for solid waste or recycling services, please report the annual contract amount.

\$ \_\_\_\_\_ for solid waste services per year.

\$ \_\_\_\_\_ for recycling per year.

Or

\$ \_\_\_\_\_ combined contract (solid waste and recycling)

According to *GS 130A-309.08*, local governments are required to conduct full cost accounting annually and to develop a system to inform users of such costs.

## Part II. In-House Programs

The following questions pertain to in-house activities, that is waste reduction activities/programs that are available to local government employees.

8. Did your local government have an in-house waste reduction program in place?  Yes  No
9. If yes, indicate what types of waste reduction activities were in place:
- Source reduction/toxicity reduction  Recycling  
 Reuse
10. Did your local government have any program/policy encouraging or requiring local agencies to purchase products with recycled content?  Yes  No

## Part III. Public Programs

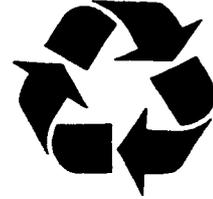
### Source Reduction/Reuse

Source Reduction is defined as avoiding the creation of waste by reducing the amount or toxicity of waste before it is generated, i.e., duplex copying and/or printing or other similar action that avoids the generation of solid waste. Source reduction is not recycling. Reuse programs target items that are in adequate condition or of value such that they do not warrant disposal. Reuse includes programs such as paint exchanges or pallet exchanges.

11. Did your local government have a backyard composting program?  Yes  No
12. If Yes, please check all that apply:
- Promotion  Training  
 Education  Bin distribution/sales  
 Demonstration site(s) Number of Bins distributed? \_\_\_\_\_
13. Did your local government have a source reduction program targeted to the public?  Yes  No
14. If Yes, please indicate the types of activities promoted:
- Grasscycling  Enviroshopping (shopping for source reduction)  
 Xeriscaping (landscaping with less water)  Use of non-toxics in homes/businesses  
 Junk mail reduction  Other \_\_\_\_\_
15. Did your local government offer a waste exchange or reuse program?  Yes  No
16. If Yes, please indicate which programs were available to the public:
- Swap shop/shed Number of sheds in use? \_\_\_\_\_  Waste exchange  
 Paint exchange Number of gallons recovered? \_\_\_\_\_  Pallet Exchange  
 Other selling metal, C&D waste, furniture, Misc. items

**Recyclables  
Recovery**

*After source reduction, recycling is the State's next highest priority for managing solid waste. The following questions deal with your local government's programs for recovering recyclables*



17. Which of the following responses best describes your recyclables recovery activities for the period July 1, 2004 through June 30, 2005?

- My local government **DID operate or contract** for a recyclables recovery program.
- My local government **DID NOT operate or contract** for recyclables recovery **BUT DID participate** in a recyclables recovery program sponsored by another local government. (Please identify the public agency/organization responsible for its operation; then go to **Part IV** on page 7.)

With what local government did you participate? \_\_\_\_\_

- My local government **DID NOT operate, contract or participate** in a recycling program. (Go to **Part IV** on page 7.)

If you **DID operate or contract** for a recyclables recovery program, please indicate the type of program in operation and specifics about your program.

**CURBSIDE RECYCLING PROGRAM**

18. Curbside Recycling Program  Yes  No

19. Who collected the recyclable materials for your local government's curbside program?
- Local government employees
  - Private contractor \_\_\_\_\_
  - Other (please specify) \_\_\_\_\_

20. Please answer the following questions about your community.

- a. Total number of households?  
\_\_\_\_\_
- b. Number of households served by curbside recycling? \_\_\_\_\_
- c. Please estimate the number of households that regularly participate in the program? \_\_\_\_\_ households

21. What sector(s) of your community was served by the program?

- Residential
- Commercial
- Industrial

22. If you checked commercial or industrial in question 21, please indicate the number of accounts served. \_\_\_\_\_

23. How frequently were the curbside recyclables collected?

- Once a week
- Twice a month
- Every two weeks
- Other \_\_\_\_\_

24. Please describe the containers used.

- Bins
- Blue bags
- Multi-bin system
- Roll-out carts

## DROP-OFF RECYCLING PROGRAM

25. Drop-off Recycling Program  Yes  No

26. Who collected the recyclable materials for your local government's drop-off recycling program?

- Local government employees  
 Private contractor \_\_\_\_\_  
 Other (please specify) \_\_\_\_\_

27. Please estimate the number of households served. 91,796

28. Please estimate the number of households that actively use your local government's drop-off recycling program. 50% households

29. What sector(s) of your community was served by the program?

- Residential  
 Commercial  
 Industrial

30. How many drop-off locations did you provide for the citizens in your jurisdiction? Number of sites 17

31. How many of these locations were staffed with attendants?

- All  
 Some (please identify how many) \_\_\_\_\_  
 None

## MIXED WASTE PROCESSING

32. Mixed Waste Processing – Did your local government utilize mixed waste processing?  Yes  No  
*Note: Mixed waste processing requires the use of a permitted facility where select recyclables are removed from municipal solid waste.*

## OTHER RECYCLING PROGRAMS

*DO NOT include in-house activities here. List only programs operated or contracted for by the local government.*

33. Please identify all "Other" programs available during FY 04-05. (check all that apply and indicate tonnages on the next page)

- Electronics recycling  
 Permanent  Annual or scheduled collection days  Part of HHW program

- School-based programs  
 Scheduled collection drives (quarterly, once a year, etc.)

- Curbside white goods collection

Were white goods delivered to the county for marketing?  Yes  No

- Commercial collections \_\_\_\_\_  
 Industrial collections \_\_\_\_\_  
 Other programs (please specify) \_\_\_\_\_

34. Does your local government provide on-site recycling services at multi-family housing complexes?  
 Curbside  Drop-off  No, but residents have access to city/county drop-off sites

35. Please estimate the percentage of complexes receiving services.

- 0 to 25 percent  25 to 50 percent  50 to 75 percent  75 to 100 percent

### Recycling Tonnages

a. For ALL the recycling programs operated or contracted for by your local government, please provide material TONNAGES (or tonnage estimates) for each material collected for recycling for the period JULY 1, 2004, through JUNE 30, 2005. Please combine tonnages for All "Other" Programs.

b. Do NOT report YARD WASTE, TIRES, USED OIL, LEAD ACID BATTERIES, or ANTI-FREEZE tonnages on this page.

c. Please report materials collected in tons only. (One ton equals 2,000 lbs.) For example, 2,500 lbs. should be reported as 1.25 tons. Please only extend numbers to two decimal places (x.xx).

| PROGRAM   | Curbside                 |      | Drop-off                            |          | Mixed Waste Processing   |      | All "Other" Programs     |      | Total Tons |
|---|--------------------------|------|-------------------------------------|----------|--------------------------|------|--------------------------|------|------------|
|   | Collect?<br>✓ if Yes     | Tons | Collect?<br>✓ if Yes                | Tons     | Collect?<br>✓ if Yes     | Tons | Collect?<br>✓ if Yes     | Tons |            |
| <b>GLASS</b>  |                          |      |                                     |          |                          |      |                          |      |            |
| Clear   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 8.89     | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Brown   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 8.98     | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Green   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 10.11    | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Mixed   |                          |      |                                     |          |                          |      |                          |      |            |
| <b>PLASTIC</b>  |                          |      |                                     |          |                          |      |                          |      |            |
| PETE #1   | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| HDPE #2   | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Other plastic   | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Mixed plastic   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 2.00     | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| <b>METAL</b>  |                          |      |                                     |          |                          |      |                          |      |            |
| Aluminum cans   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 9.75     | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Steel cans  | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| White goods   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 1,297.25 | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Other metal   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 3,101.80 | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| <b>PAPER</b>  |                          |      |                                     |          |                          |      |                          |      |            |
| Newsprint (ONP)   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 353.85   | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Cardboard (OCC)   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 176.36   | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Magazines (OMG)   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 64.23    | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Office paper  | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Mixed paper (MPW)   | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Other paper   | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 10.34    | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| <b>WOOD</b>   |                          |      |                                     |          |                          |      |                          |      |            |
| Pallets (refurbished, reused, fuel)                           | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 652.90   | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Other wood - DO NOT list wood tons here from yard waste pg. 8 | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | .35      | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| <b>OTHER MATERIALS</b>  |                          |      |                                     |          |                          |      |                          |      |            |
| Textiles  | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Electronics   | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| C&D Recovery  | <input type="checkbox"/> |      | <input checked="" type="checkbox"/> | 1.12     | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
|   | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
|   | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
|   | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| Commingled tons (check all items collected above)             | <input type="checkbox"/> |      | <input type="checkbox"/>            |          | <input type="checkbox"/> |      | <input type="checkbox"/> |      |            |
| <b>TOTAL TONS:</b>  |                          |      |                                     | 5,697.94 |                          |      |                          |      |            |

## Part IV. Special Wastes

The following questions concern your local government's provisions for managing waste materials that require special handling or are banned from landfilling.

### Used Oil and Oil Filters

36. Did your local government provide public collection sites for used oil?  Yes  No
37. If Yes, how many sites? 17
38. Number of gallons collected? 11,300 gallons (per year).
39. Did your local government provide public collection sites for used oil filters?  Yes  No
40. If Yes, how many sites? \_\_\_\_\_
41. Amount collected \_\_\_\_\_ filters or \_\_\_\_\_ barrels or \_\_\_\_\_ tons.

### Antifreeze

42. Did your local government provide public collection sites for antifreeze?  Yes  No
43. If Yes, how many sites? 1
44. Number of gallons collected? \_\_\_\_\_ gallons (per year). Included with oil (above)

### Lead Acid Batteries

45. Did your local government provide public collection sites for lead acid batteries?  Yes  No
46. If Yes, how many sites? 17
47. Number of batteries collected? 4,311 batteries

### Household Hazardous Waste (HHW)

48. Did your local government provide for the collection of pesticide containers (e.g., NCDA program)?  Yes  No
49. Did your local government offer a latex paint collection program separate from the collection of household hazardous waste?  Yes  No
50. Did your local government provide specifically for the collection of household hazardous waste?  Yes  No
- If Yes, please respond to the following questions:

- a. Was it collected at permanent site?  Yes  No
- b. Quantities collected (in pounds) 18,280 pounds
- c. Frequency of collection 2 times a month
- d. Contractor(s) involved Clean Harbor
- e. Estimated cost of the program \$22,095

## Part V. Mulching, Composting and C&D Management

Yard waste may not be disposed in sanitary landfills, incinerators, or in unpermitted sites and it is illegal to burn. Composting and mulching are popular management options. Mulched materials are yard wastes such as wood chips or leaves that have been ground or chipped for eventual decomposition. Composted materials are thoroughly decomposed, and the final product has a dark soil-like appearance.

51. Does your local government collect yard waste at curbside?  Yes  No
52. Does your local government provide a drop-off site for yard waste collection?  Yes  No
53. Where is collected yard waste taken? 771 Wilkes Rd (Wilkes Rd Yard Waste Facility)

54. What quantities of materials were managed in your program? Provide information in TONS OR CUBIC YARDS of material received. For conversion purposes, use 400 lbs./cubic yd.

| Destination   | Check box if destination is used    | Organic Debris (yard waste, brush, limbs, etc.) |             |
|---|-------------------------------------|---|-------------|
|   |                                     | Tons  | Cubic Yards |
| End user (to farmer or home-owner)                    | <input type="checkbox"/>            |   |             |
| Your own local government's mulch or compost facility | <input checked="" type="checkbox"/> | 31,206  |             |
| Other public mulch or compost facility                | <input type="checkbox"/>            |   |             |
| Private mulch or compost facility                     | <input type="checkbox"/>            |   |             |
| Land clearing and inert debris landfill (LCID)        | <input type="checkbox"/>            |   |             |
| <b>Total</b>  |                                     | <b>31,206</b>                                   |             |

YARD WASTE MANAGEMENT FORMULA: Use this formula for each truck you use in your yard waste management program. Put the grand total for all trucks in the appropriate boxes above. Ex. 10 yd<sup>3</sup> truck x 3 days/wk x 16 wks = 480 yd<sup>3</sup>

Size of truck (in yards) X Avg. no. of times truck fills each week X # of weeks truck is used during year = TOTAL yd<sup>3</sup>

55. Did your local government provide either of the following?  C&D recycling  C&D salvage/reuse

If yes, check all materials that were included (please report tonnages in tonnage table on page 6):  
 Clean wood  Brick, concrete, etc.  Sheetrock  Vinyl siding  Metals  Other

56. Does your local government have an ordinance regulating the management of construction and demolition waste?  Yes  No

**Part VI. Solid Waste Collection & Disposal**

57. Please estimate the population of your community 302,965

58. Please complete the following table regarding your solid waste collection (curbside or drop-off programs) and disposal program.

| Sector      | Who Collects Solid Waste?<br>Insert Letter - see codes below | How is Solid Waste Collected?<br>Insert No. - see codes below |
|-------------|--|---|
| Residential | A  | 3   |
| Commercial  | NA   |   |
| Industrial  | NA   |   |

- Who Collects Solid Waste?**
- a. Local government employees.
  - b. By contract.
  - c. Franchise haulers.
  - d. Local government not involved in provision of service.

- How is Solid Waste Collected?**
- 1. Once a week at household.
  - 2. Twice a week at household.
  - 3. Convenience center/ greenbox.
  - 4. As needed or by request.
  - 5. Daily.
  - 6. Other. Please specify.

59. If collected at the household, where is solid waste picked up?  Rear yard  Curbside

60. What type of curbside collection method is used?  
 Fully Automated  Semi-automated  Manual  Don't know

## Part VII. Solid Waste Educational Activities

61. Did your local government have an education program to inform the citizens specifically about solid waste management issues/activities?  Yes  No (If No, skip to Part VIII.)

62. Which of the following solid waste education activities did your local government conduct or produce? (Check all that apply.)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Radio/TV advertisements                    | <input checked="" type="checkbox"/> Web site               |
| <input type="checkbox"/> Newspaper ads/articles                                | <input type="checkbox"/> "RE 3" Campaign                   |
| <input type="checkbox"/> Mass mailings/ utility bills, etc.                    | <input type="checkbox"/> "The Recycle Guys"                |
| <input type="checkbox"/> Award program for businesses                          | <input type="checkbox"/> Workshops, forums, or conferences |
| <input type="checkbox"/> Grant program for businesses                          | <input type="checkbox"/> Public schools programs           |
| <input checked="" type="checkbox"/> Take-home items (brochures, magnets, etc.) | <input checked="" type="checkbox"/> Special events         |
| <input type="checkbox"/> Telephone "hotline"                                   | <input type="checkbox"/> Other (please specify) _____      |



63. Please provide your recycling website address and hotline phone number if applicable.

Website: www.co.cumberland.nc.us/swm/index.html Hotline: \_\_\_\_\_

## Part VIII. Resources for Solid Waste Management

Sufficient resources available to solid waste management programs are essential for continued success of these programs. The following questions deal with resources allocated to solid waste management programs.

64. Did your local government operate an Enterprise Fund for solid waste services?  Yes  No  
An enterprise fund is a fund for a specific purpose that is self-supporting from the revenue it generates.

65. With regards to funding mechanisms, check all that apply to your local government:

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Tipping fees          | <input checked="" type="checkbox"/> Volume/weight-based fees | <input checked="" type="checkbox"/> Tire tax  |
| <input type="checkbox"/> Property taxes/general fund      | (e.g. PAYT)  | <input checked="" type="checkbox"/> White goods tax                                   |
| <input checked="" type="checkbox"/> Per household charges | <input checked="" type="checkbox"/> Sale of recyclables      | <input checked="" type="checkbox"/> Other. (interest, land rental, room rental, etc.) |
|   | <input type="checkbox"/> Grants                              |   |

66. If applicable, please provide your FY 04-05 household fees. (E.g., a. \$45.00 per year per household for solid waste)

- a. \$ 48.00 per household per year for solid waste
- b. \$ \_\_\_\_\_ per \_\_\_\_\_ per \_\_\_\_\_ for recycling
- c. \$ \_\_\_\_\_ per \_\_\_\_\_ per \_\_\_\_\_ availability fee
- 
- d. \$ 48.00 per household per year total charge (a + b + c = d)

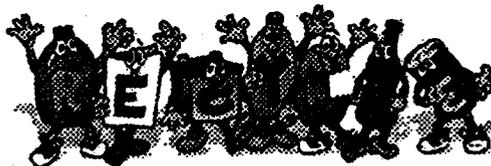
67. Did your local government have a Pay-As-You-Throw program for residential garbage? (Residents are charged by weight or volume for the amount of trash disposed.)  Yes  No

### Comments

We would appreciate your comments about this report or other matters regarding solid waste management in North Carolina. Thank you for your time. Attach additional sheets if needed.

### Assistance

The Division of Pollution Prevention and Environmental Assistance's Local Government Assistance Team is ready to assist you in any way we can. Please visit our Web site at [www.p2pays.org/localgov](http://www.p2pays.org/localgov) or e-mail us at [lgteam@ncmail.net](mailto:lgteam@ncmail.net)



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**CUMBERLAND COUNTY SOLID WASTE MANAGEMENT FOR FY04-05**

July, 2004 Thru June, 2005

**EXPENDITURES BY COST CENTER**

| ACCOUNT NAME                  | OBJECT # | TOTAL EXPENDITURES | 4606 ANN STREET  | 4607 WILKES ROAD | 4608 CONT. SITES | 4609 TRANS-PORTATION | 4610 HHW/ PLANNING | 4613 WHITE GOODS | 4614 C & D    | 4611 MAINT     | 4602 ADMIN     | TOTAL            |
|-------------------------------|----------|--------------------|------------------|------------------|------------------|----------------------|--------------------|------------------|---------------|----------------|----------------|------------------|
| TELEPHONE                     | 3445     | 8,606              | 0                | 502              | 4,378            | 0                    | 1,788              | 0                | 0             | 95             | 1,845          | 8,606            |
| PHOTOCOPIER CHARGES           | 3450     | 667                |                  |                  |                  |                      | 0                  |                  |               |                | 667            | 667              |
| AMORTIZATION-LEACHATE         | 345-A    | 0                  | 0                | 0                | 0                |                      |                    |                  |               |                | 0              | 0                |
| AMORTIZATION-CLOSURE SUBTI    | 345-B    | 0                  | 0                | 0                | 0                |                      |                    |                  |               |                | 0              | 0                |
| AMORTIZATION-POST CLOSURE     | 345-C    | 0                  | 0                | 0                | 0                |                      |                    |                  |               |                | 0              | 0                |
| PRINTING                      | 3455     | 969                | 0                | 0                | 0                | 0                    | 0                  | 0                | 0             | 0              | 969            | 969              |
| CFC Removal                   | 346-K    | 0                  | 0                | 0                | 0                | 0                    | 0                  | 0                | 0             | 0              | 0              | 0                |
| RENT EQUIPMENT                | 3462     | 65,901             | 56,697           | 2,120            | 4,544            | 0                    | 261                | 0                | 0             | 1,413          | 866            | 65,901           |
| RENT LAND                     | 3464     | 5,200              |                  |                  | 5,200            | 0                    | 0                  | 0                | 0             | 0              | 0              | 5,200            |
| RENT TELEPHONE                | 3465     | 0                  | 0                | 0                | 0                | 0                    | 0                  | 0                | 0             | 0              | 0              | 0                |
| REFUND GARBAGE FEE            | 3468     | 6,948              |                  | 0                |                  |                      | 0                  |                  |               |                | 6,948          | 6,948            |
| BCH TIPPING FEES              | 3469     | 0                  | 0                | 0                |                  |                      |                    |                  |               |                | 0              | 0                |
| TRAVEL                        | 3470     | 1,140              | 0                | 0                | 453              | 235                  | 0                  | 0                | 0             | 32             | 419            | 1,140            |
| TRAINING                      | 3474     | 1,332              | 30               | 0                | 0                | 30                   | 597                | 0                | 0             | 0              | 675            | 1,332            |
| UTILITIES                     | 3480     | 50,855             | 10,331           | 4,016            | 12,808           | 0                    | 432                | 3,765            | 0             | 10,710         | 8,794          | 50,855           |
| ENCUMBERED OPERA              | 3499     | 9,847              | 6,400            |                  | 102              |                      | 0                  |                  |               |                | 3,346          | 9,847            |
| CONTINGENCY OPERATING         | 3903     | 0                  | 0                | 0                | 0                | 0                    | 0                  | 0                | 0             | 0              | 0              | 0                |
| C.O. BUILDINGS                | 3602     | 0                  | 0                | 0                | 0                | 0                    | 0                  | 0                | 0             | 0              | 0              | 0                |
| C.O. CARS AND TRUCKS          | 3603     | 17,144             | 0                | 0                | 17,144           | 0                    | 0                  | 0                | 0             | 0              | 0              | 17,144           |
| C.O. EQUIPMENT                | 3610     | 26,545             | 0                | 0                | 26,545           | 0                    | 0                  | 0                | 0             | 0              | 0              | 26,545           |
| C.O. OTHER IMPROVEMENTS       | 3650     | 0                  | 0                | 0                | 0                | 0                    | 0                  | 0                | 0             | 0              | 0              | 0                |
| ENCUMBERED C.O.               | 3699     | 537,777            | 0                | 537,777          | 0                | 0                    | 0                  | 0                | 0             | 0              | 0              | 537,777          |
| TRANSFER GEN FD 101           | 3880     | 257,456            |                  |                  |                  |                      |                    | 0                | 0             | 0              |                | 257,456          |
| ENGINEER FEE                  | 3747     | 0                  | 0                |                  |                  |                      |                    |                  |               | 257,456        |                | 257,456          |
| CONSTRUCTION                  | 3791     | 0                  | 0                |                  |                  |                      |                    |                  |               |                |                | 0                |
| PRINC LEASE                   | 5736     | 0                  | 0                |                  | 0                | 0                    |                    | 0                |               |                |                | 0                |
| INTER LEASE                   | 5737     | 0                  | 0                |                  | 0                | 0                    |                    | 0                |               | 0              |                | 0                |
| <b>SUBTOTAL</b>               |          | <b>4,081,306</b>   | <b>874,381</b>   | <b>1,075,027</b> | <b>572,015</b>   | <b>384,702</b>       | <b>106,684</b>     | <b>204,695</b>   | <b>68,101</b> | <b>386,986</b> | <b>408,715</b> | <b>4,081,306</b> |
| <b>MAINTENANCE SUPPORT</b>    |          |                    | 96,747           | 85,137           | 65,788           | 102,551              | 17,414             |                  | 15,479        |                |                |                  |
| <b>ADMINISTRATIVE SUPPORT</b> |          |                    | 114,440          | 89,917           | 44,959           | 85,830               | 10,218             | 10,218           | 16,349        | 36,784         |                |                  |
| <b>TOTAL</b>                  |          | <b>4,081,306</b>   | <b>1,085,568</b> | <b>1,250,081</b> | <b>682,761</b>   | <b>573,084</b>       | <b>134,316</b>     | <b>214,913</b>   | <b>99,929</b> | <b>423,771</b> |                |                  |
| <b>TONNAGE</b>                |          |                    | 203,660          | 33,397           | 17,318           | 19,434               |                    | 1,067            | 30,265        |                |                |                  |
| <b>COST PER TON</b>           |          |                    | \$5.33           | \$37.43          | \$39.43          | \$29.49              |                    | \$201.38         | \$3.30        |                |                |                  |

|              |         |
|--------------|---------|
| # HR:        | 91,796  |
| TONS:        | 124,773 |
| TONS PER HR: | 1.36    |

**CUMBERLAND COUNTY SOLID WASTE MANAGEMENT FOR FY04-05**  
**EXPENDITURES BY COST CENTER**

July, 2004 Thru June, 2005

| ACCOUNT NAME             | OBJECT # | TOTAL EXPENDITURES | 4606 ANN STREET | 4607 WILKES ROAD | 4608 CONT. SITES | 4609 TRANS-PORTATION | 4610 HHW/ PLANNING | 4613 WHITE GOODS | 4614 C & D | 4611 MAINT | 4602 ADMIN | TOTAL     |
|--------------------------|----------|--------------------|-----------------|------------------|------------------|----------------------|--------------------|------------------|------------|------------|------------|-----------|
| NO. OF PERSONNEL         |          | 53                 | 8               | 4                | 16               | 6                    | 3                  | 5                | 1          | 2          | 9          | 53        |
| SALARIES                 |          | 1,618,700          | 235,584         | 120,933          | 404,385          | 216,861              | 78,970             | 129,037          | 17,347     | 63,517     | 352,065    | 1,618,700 |
| OVERTIME                 | 1220     | 5,892              | 1,977           | 249              | 942              | 811                  | 0                  | 1,098            | 254        | 389        | 171        | 5,892     |
| UNEMPLOYMENT INSURANCE   | 1850     | 0                  | 0               | 0                | 0                | 0                    | 0                  | 0                | 0          | 0          | 0          | 0         |
| RECLASSIFICATIONS        | 1990     | 0                  | 0               | 0                | 0                | 0                    | 0                  | 0                | 0          | 0          | 0          | 0         |
| SALARY ADJUSTMENT        | 1991     | 0                  | 0               | 0                | 0                | 0                    | 0                  | 0                | 0          | 0          | 0          | 0         |
| EMPLOYEE BONUS           | 1995     | 0                  | 0               | 0                | 0                | 0                    | 0                  | 0                | 0          | 0          | 0          | 0         |
| JANITORIAL SUPPLIES      | 2110     | 3,340              | 763             | 231              | 806              | 175                  | 145                | 24               | 16         | 518        | 662        | 3,340     |
| UNIFORMS                 | 2120     | 11,999             | 1,569           | 644              | 3,961            | 1,073                | 418                | 881              | 218        | 1,913      | 1,323      | 11,999    |
| MEDICAL SUPPLIES         | 2395     | 217                | 29              | 0                | 68               | 37                   | 0                  | 20               | 0          | 62         | 0          | 217       |
| FUEL VEHICLES            | 2510     | 249,668            | 77,748          | 75,955           | 4,133            | 61,856               | 4,009              | 18,128           | 0          | 6,226      | 1,613      | 249,668   |
| OFFICE SUPPLIES          | 2601     | 3,832              | 0               | 0                | 0                | 0                    | 0                  | 0                | 0          | 0          | 3,832      | 3,832     |
| COMPUTER HARDWARE        | 299A     | 6,097              | 0               | 0                | 0                | 0                    | 0                  | 0                | 0          | 2,759      | 3,338      | 6,097     |
| DEP SUPPLIES/MATERIALS   | 2992     | 29,733             | 3,570           | 1,850            | 6,238            | 1,891                | 1,329              | 3,492            | 368        | 4,661      | 6,334      | 29,733    |
| MISC FURNITURE/EQUIP     | 2994     | 46,572             | 0               | 0                | 30,720           | 0                    | 0                  | 11,582           | 0          | 4,271      | 0          | 46,572    |
| COMPUTER SOFTWARE        | 2995     | 0                  |                 |                  |                  |                      |                    |                  |            |            | 0          | 0         |
| SURVEYING                | 3120     | 5,950              | 5,950           | 0                | 0                | 0                    | 0                  |                  | 0          | 0          | 0          | 5,950     |
| CONSULTANT               | 3154     | 0                  | 0               |                  |                  |                      |                    |                  |            |            |            | 0         |
| MEDICAL EXPENSES         | 3204     | 1,700              | 207             | 0                | 643              | 207                  | 0                  | 436              | 207        | 0          | 0          | 1,700     |
| C & D EXPENSES           | 3320     |                    |                 |                  |                  |                      |                    |                  |            |            |            |           |
| SW COVER MATERIAL        | 3324     | 206,456            | 171,476         | 0                | 0                | 0                    | 0                  | 0                | 34,979     | 0          | 0          | 206,456   |
| STORM WATER              | 3325     | 1,368              | 960             | 180              |                  |                      |                    |                  |            |            | 228        | 1,368     |
| WASTE PETROLEUM DISPOSAL | 3326     | 182                |                 |                  | 0                |                      | 182                |                  |            |            |            | 182       |
| POST CLOSURE             | 3327     | 0                  | 0               |                  |                  |                      |                    |                  |            |            |            | 0         |
| CONTRACTED SERVICES      | 3390     | 164,227            | 98,994          | 4,292            | 25,560           | 8,276                | 8,596              | 0                | 14,712     | 2,135      | 1,661      | 164,227   |
| CONTRACTED SERV-TIRES    | 3397     | 267,970            | 75,876          | 192,094          |                  | 0                    | 0                  | 0                | 0          | 0          | 0          | 267,970   |
| PROCUREMENT CARD         | 3399     | 2,525              |                 | 0                | 892              | 892                  |                    |                  |            |            | 740        | 2,525     |
| ADVERTISING              | 3401     | 264                | 0               | 0                | 0                | 0                    | 0                  | 0                | 0          | 0          | 264        | 264       |
| DUES AND SUBSCRIPTIONS   | 3406     | 705                | 282             | 0                | 0                | 282                  | 0                  | 0                | 0          | 0          | 141        | 705       |
| INDIRECT COSTS           | 3410     | 0                  | 0               | 0                | 0                | 0                    | 0                  | 0                | 0          | 0          | 0          | 0         |
| MISCELLANEOUS            | 3419     | 2,101              | 639             | 400              | 7                | 130                  | 0                  | 20               | 0          | 680        | 226        | 2,101     |
| INSURANCE & BONDS        | 3420     | 67,182             | 10,268          | 6,844            | 2,623            | 9,435                | 4,800              | 19,440           | 0          | 9,564      | 4,208      | 67,182    |
| M/R BUILDINGS            | 3430     | 15,260             | 1,871           | 1,367            | 5,937            | 0                    | 120                | 363              | 0          | 1,811      | 3,791      | 15,260    |
| M/R EQUIPMENT            | 3433     | 1,880              | 353             | 0                | 0                | 825                  | 49                 | 342              | 0          | 145        | 166        | 1,880     |
| M/R RADIOS               | 3436     | 1,880              | 353             | 0                | 0                | 825                  | 49                 | 342              | 0          | 145        | 166        | 1,880     |
| M/R VEHICLES             | 3438     | 15,990             | 1,871           | 1,367            | 5,937            | 0                    | 120                | 363              | 0          | 1,811      | 3,791      | 15,990    |
| MAINT SERVICE CONTRACTS  | 3439     | 3,284              | 0               | 0                |                  | 2,883                | 0                  | 0                | 0          | 401        | 0          | 3,284     |
| POSTAGE                  | 3440     | 351                |                 | 0                |                  | 0                    | 0                  | 0                | 0          | 0          | 351        | 351       |

Appendix E  
Fire Marshall Certification

JUN 30 2004

## Pearce's Mill Fire Department

2998-A Gillespie Street  
Fayetteville, NC. 28306  
(910) 425-5881

To whom it May Concern,

June 25, 2004

Wilkes Road Land Fill is in the Pearces Mill fire district. And the Pearces Mill Fire Department is able to get in the gates after hours. There are two hydrants, one is a 2-inch hydrant within the gates, and one is a 6-8 inch hydrant outside the gates. The Landfill has a 5,000 Gallon taker on site, an Excavator, and other equipment to fight fire with. If you have any questions, feel free to contact me at the number below.

Sincerely,



Tracy Smith  
Deputy Chief  
Pearces Mill Fire Department  
(910) 425-5881

# CDM Transmittal

**CDM**

5400 Glenwood Avenue, Suite 300  
Raleigh, North Carolina 27612  
Phone: (919) 787-5620  
Fax: (919) 781-5730

**To:** Ted Lyon  
**Organization/Address:** NCDENR  
**From:** Mike Brinчек  
**Date:** March 14, 2006

**Re:** Cumberland County  
Wilkes Road Yard Waste Facility Treatment and Processing Permit

**Job #:** 2724-39722

**Via:** *Mail:* X *Overnight:* *Courier:*

**Enclosed please find:** 3 copies of the T&P Permit

For your information

X

For your review

For your signature

Approved

Approved as noted

Returned to you for correction

**Message:**

Ted,

If you have any questions or need any additional information please contact me at your earliest convenience.

Sincerely,

Mike Brinчек



  
Signed