

# **YANCEY COUNTY SOLID WASTE MANAGEMENT PLAN UPDATE**



**JUNE 30, 2012**

Yancey County Government  
110 Town Square, Room 11  
Burnsville, North Carolina 28714

## **INTRODUCTION**

In June 1997, the Yancey County Board of Commissioners adopted the Yancey County Solid Waste Management Plan in accordance with NC General Statute 130A-309.09A. The plan covered all aspects of solid waste management in Yancey County, including the Town of Burnsville, for a ten-year planning period (FY 1996/97 through FY 2005/06). This update covers the same geographic area for the period FY 2007/08 through FY 2008/09. The update outlines Yancey County's intended solid waste management and reduction programs, and sets waste reduction goals for the next ten year period.

## **Geographic Area and Economic Characteristics**

Yancey County is located in the western part of the state, in the heart of the Blue Ridge Mountains. Yancey County borders the counties of Madison, Buncombe, McDowell, Mitchell and also borders the state of Tennessee to the northwest. Yancey County has a total area of 313.03 square miles, with 312.22 square miles of land area. The average elevation is 2,817 feet above sea level. The Town of Burnsville is the county's only incorporated municipality, and is the county seat.

Yancey County has experienced little population growth since 2000. According to the US Census, the county has increased in population from 17,774 in 2000 to 17,818 in 2010, representing a 0.2% increase. This rate of growth is significantly less than the population growth rate of the state between 2000 and 2010, which was 18.5%. The 2010 Census shows Burnsville to have a population of 1,693. Yancey County's population is projected to increase to 18,849 by 2020, which represents a population increase of 1.05% compared with 2010.

Yancey County will continue to have one of the state's highest median ages with a projected median age of 45.9 by 2025. This is indicative of a county with an aging population base and is a significant factor in its relatively slow population growth.

Unemployment is above the State average in Yancey County. In 2008, the annual unemployment rate was 7.8%. The county's 2010 median household income was \$35,703, compared to \$45,570 for the State of North Carolina. The county's economy is in transition, with a significant loss of manufacturing jobs in the past ten years, and only moderate gains in new job creation. However, tourism comprises a sizeable portion of the local economy: in 2000 total revenue generated in Yancey County was \$22.2 million; in 2010 that figure was \$29.9 million.

## **UPDATE DEVELOPMENT AND PUBLIC PARTICIPATION**

The update was developed by the Yancey County Public Works Department and Yancey County Administration, with assistance from High Country Council of Governments. Drafts of the update were presented to management and public works staff of the Town of Burnsville for comment. A public hearing was held to gather citizen input on the draft update, and copies of the draft were made available to the public for review.

## **WASTE REDUCTION GOALS**

The Yancey County Solid Waste Management Plan for FY 1996/97 through FY 2005/06 set the following waste reduction goals:

40% waste stream reduction by June 30, 2001.

40% waste stream reduction by June 30, 2006.

These reduction figures were based on a 1991 baseline per capita disposal rate of 1.01 tons/year (provided by NCDENR, Division of Waste Management, Solid Waste Section). These goals were changed to 5% waste reduction by 2006 and 10% by 2013 in the Solid Waste Management Plan Update for 2000. Based on Yancey County's County Waste Disposal Report for FY 1998/99 (provided by Solid Waste Section), the per capita disposal rate for the county was 0.733 tons/year.

Based on Yancey County's County Waste Disposal Report for FY 2001/02 (provided by the Solid Waste Section), the per capita disposal rate for the county was .65 tons/year. This figure represents a 36% decrease in the waste stream per capita as compared to the baseline per capita rate of 1.01. Therefore, the county set the following waste reduction goals for the planning period covered by the 2003 update.

38% waste stream reduction by June 30, 2006.

40% waste stream reduction by June 30, 2013.

With a per capita disposal rate of 0.64 for FY 2004-05, the 2006 goal was achieved. Therefore, the County retained the FY 2012-2013 goal of 40%, and set a new FY 2015-2016 goal of 40% as well.

Yancey County's FY 2007-08 per capita disposal rate was 0.79, a 23% increase over FY 2004-05. Yancey County's 2010-11 per capita disposal rate was 0.65, a decrease of 17.7% compared to FY 07-08. The County's new FY 2021-22 goal will be 40%.

## **WASTE STREAM ANALYSIS**

A Waste Stream Summary is included in the Appendix.

## **PLANNING ELEMENTS**

The following solid waste management planning elements were analyzed during development of this update. Analysis of the elements included examination of current programs and feasibility of additional programs/efforts.

### **1. Source Reduction**

Individual counties, especially rural counties, are somewhat limited in the amount of solid waste reduction that can be realized, regardless of programs that could be implemented. Packaging by manufacturers and national consumer preferences for convenience determine a great deal of waste stream in any county. Even the most conscientious efforts to reduce waste are limited by the fact that many goods can be obtained only in wasteful packaging. Rural counties (such as Yancey) do not have a sufficient number of businesses and industries to effectively promote waste exchanges, financial incentives, or other programs that would result in a significant source reduction.

### **2. Collection**

At the time of development of the ten-year Solid Waste Management Plan in 1997, Yancey County operated one staffed convenience center and 11 unstaffed green box sites. The county currently operates six staffed convenience centers and no green box sites. The convenience centers accept residential solid waste and the following recyclables: cardboard, aluminum, plastics, magazines, glass, white goods, metal and newsprint. Three convenience centers are equipped to accept used motor oil and oil filters. These three centers are also equipped to accept electronic equipment and components for recycling. The convenience centers are open from 7:00 AM until 7:00 PM, Monday through Saturday. Solid waste and recyclables are also accepted at the county transfer station, from 8:00 AM until 4:30 PM Monday through Friday, and from 8:00 AM until noon on Saturdays.

The county contracts with GDS for the transportation of solid waste from the collection sites to the county transfer station. In FY 2010/11 collection fees to GDS cost \$207,305.00, and operation of the convenience centers cost \$309,091.00.

In FY 2010/11, the county provided solid waste collection service to 9,842 households, and managed 11,668 total tons, at a total program cost of \$516,396.00. Total cost per household was \$52.47, and total cost per ton was \$44.26.

The Town of Burnsville contracts with GDS for curbside residential solid waste collection. In FY 2011/12 the Town managed a total of 360.95 tons of solid waste. The Town's overall program cost was \$92,500.

### **3. Recycling and Reuse**

Yancey County collects recyclables at its transfer station site and the six convenience centers. Materials accepted include glass (three colors), aluminum, plastics, cardboard, magazines, white

goods, metal and newsprint. The county has a full-time Recycling Coordinator who oversees recycling collection, recyclables marketing, and public education regarding recycling. The county also has two fulltime Solid Waste and Recycling Technicians in addition to numerous part-time convenience center attendants.

The Town of Burnsville contracts with GDS to operate a residential curbside recycling program. Materials collected include glass (mixed), plastics, steel cans, and mixed paper. In FY 2010/11 the total tonnage of recyclables recovered by the Town was 42.03 tons. The Town provided recycling service to 661 households, collecting 11.34 tons of mixed glass, 5.38 tons of mixed plastic, 2.5 tons of steel cans, and 22.81 tons of mixed paper.

In FY 2010/11, the county provided recycling service to 9,842 households, and recovered 578.93 tons of recyclables. This total includes 100.09 tons of glass, 22.09 tons of plastics, 277.84 tons of white goods, 3.89 tons of aluminum cans, 29.53 tons of newsprint, 23.4 tons of cardboard, 45.79 tons of mixed paper, and 76.3 tons of pallets.

The county does not currently operate any reuse programs. However, the county supports local thrift shops and other charitable reuse programs. The county provides collection trailer storage space to local non-profits for collection of clothing for textile recycling.

#### **4. Composting and Mulching**

Yancey County does not currently operate any composting programs. The county recently received a permit to operate a Land Clearing and Inert Debris Treatment and Processing facility. Certain LCID materials, including woody debris, unpainted/untreated wood and pallets, are accepted at the LCID processing area. The C&D Landfill closed in 2009. The county collects Christmas trees every year at all county convenience centers. The trees are chipped and the mulch is given to county residents free of charge.

The county rents a tub grinder to process the LCID material to either sell as cheaply as possible or give away as mulch to county residents or use at the Energyxchange facility as needed. The county provides mulch to Energyxchange to use as an alternative fuel source in a wood fired boiler to provide heat to the innovative greenhouse and artist studio operation.

#### **5. Incineration with Energy Recovery**

Due to the volume of solid waste produced in Yancey County, the air quality issues associated with incineration facilities and the high capital costs of implementing a solid waste incineration facility, incineration is not a viable option for the county.

#### **6. Incineration without Energy Recovery**

Due to the volume of solid waste produced in Yancey County, the air quality issues associated with incineration facilities and the high capital costs of implementing a solid waste incineration facility, incineration is not a viable option for the county.

## **7. Transfer Outside Geographic Area**

Yancey County currently contracts with Republic/GDS for transfer and disposal of solid waste. GDS collects solid waste at the Mitchell/Yancey County transfer station, and transports it to the Foothills Landfill in Caldwell County, North Carolina. The distance from the Mitchell/Yancey County Transfer Station to the Foothills Landfill is approximately 50 miles. The Foothills Landfill currently has an expected lifespan of approximately 37 years. The county's contract with GDS for this transfer/disposal service expires in 2015. Under the contract, the transfer/disposal fee is \$53/ton.

In FY 2010/11, approximately 24,965 (Mitchell & Yancey Counties) 13,483 (Yancey County only) tons of solid waste was transferred out of Yancey County for disposal at landfills outside the county at a cost of \$1,330,375 in transfer/disposal fees, and a cost of \$176,757 (Mitchell and Yancey Counties) \$88,378.50 (Yancey County only) for the operation of the transfer station.

Based on population projections for Yancey County, it is estimated that 13,624 tons of solid waste will be transferred out of the county in FY 2021/22. The waste reduction goals set by the county would reduce the FY 2021/22 figure to 8,174.

## **8. Disposal**

Solid waste generated in Yancey County is disposed of under contract by GDS at its Foothills MSWLF facility in Caldwell County, North Carolina. The contract with GDS includes transfer and disposal for a fee of \$53 per ton. The County's contract with GDS expires in 2015.

Yancey County's permitted C&D landfill (located adjacent to the county's closed MSWLF site and transfer station) closed in May 2009.

The closed Mitchell/Yancey County MSWLF is the site of a Methane Gas to Energy project. The project, conducted by a non-profit agency, consists of the construction of a methane collection system within the closed landfill. The methane is used to fuel burners that heat greenhouses and operate a pottery kiln. The facilities are being used by local high schools, Penland School art students, and Mayland Community College.

The county has received a grant from the U.S. Department of Energy (DOE) to incorporate innovative green technology in order to remove woody items from the waste stream and generate heat and other energy at the Energyxchange site.

## **9. Education with the Community and Through the Schools**

Yancey County incorporates solid waste management education into its High School curriculum. Solid waste issues are addressed in the Physical Science, Biology, and Applied Biology/Chemistry courses. In addition, the school system has added an Earth/Environmental Science course that addresses solid waste issues.

## 10. Special Wastes

Tires are collected free of charge at a mobile collection unit operated by the county. In FY 2010/11, the county collected 25,561 tires. The tires are currently being transferred to U.S. Tire Recycling Facility in Concord, NC for disposal.

White goods are collected free of charge at the Yancey County Transfer Station and at the convenience centers. 277.84 tons of white goods were collected in FY 2010/11. Freon is removed from refrigerators, freezers, and air conditioners and the materials are transferred to Tri-State Scrap Metal and sold as scrap.

Used oil is collected at the East Yancey Convenience Center. When the collection tank is full, a private contractor collects the oil for a nominal fee.

The local NC Cooperative Extension Agency office periodically offers household hazardous waste collection programs. The county has no plans at this time to duplicate this effort.

Requests to the county concerning disposal of lead acid batteries are referred to local service stations that are equipped to collect and store the batteries.

### Motor vehicle oil filters

Receptacles for these items are in place at each convenience center and at the county landfill.

### Beverage containers

Beverage containers have been banned from the county landfill.

### Recyclable rigid plastic containers

Receptacles for these items are in place at each convenience center and at the county landfill.

### Wooden pallets

The county has received a permit from NCDENR to create a processing/grinding area for pallets and woody products. Ground woody material is either sold as fuel for power or used by Energyxchange as an alternative energy source. The county has received a grant from the U.S. Department of Energy (DOE) to incorporate innovative green technology to remove woody items from the waste stream and generate heat and other energy at the Energyxchange.

### Computer equipment and televisions

The county has contracted with a vendor to provide disposal and recycling of these items.

## Abandoned manufactured homes

Yancey County anticipates having a plan in place regarding the disposal of intact abandoned manufactured homes. This plan will be contained in the county operations plan and will establish handling, disposal, and other procedures. The county will designate a site to accept abandoned manufactured homes, and will remove all white goods, asbestos, and all thermostats containing mercury. The county will establish a fee for this operation.

### **11. Illegal Disposal/Litter**

Yancey County currently has an ordinance prohibiting illegal dumping, littering, and promiscuous dumping. The ordinance is enforced by an Environmental Officer, who works within the Yancey County Sheriff's Department. Complaints received by Yancey County Administration regarding illegal dumping are referred to the Environmental Officer. Illegal dump sites are cleaned up by the Yancey County Public Works Department.

### **12. Purchasing Recycled Products**

Yancey County does not have a policy regarding the purchase of recycled products. The relatively small volume of products used by the County would make such a program uneconomical and have a relatively insignificant impact.

### **13. Disaster Response**

Yancey County has updated its disaster response plan to include staging sites at the 6 county convenience centers, and mass animal mortality events. In the event of a natural disaster, Yancey County anticipates excess volumes of LCID and C&D materials (trees, metal, building materials, etc.). The county has adequate room at its transfer station site to stockpile these materials. The county will contact the Division of Waste Management in order to have these potential disaster debris sites approved. Upon evaluation of the materials, the county will consider renting a tub grinder to process the trees and clean wood, and will dispose of C&D material using approved contractors.

Given the rural nature of the county, the majority of the storm debris will have few adverse affects on the residents. The majority of the fallen trees will be cut up and used for firewood. Therefore, the county feels the areas at the transfer station and convenience centers will provide more than adequate sites for any storm debris that may be collected.

The county's farms are overwhelmingly used for crop production and are not engaged in large animal farming/breeding activities. In the unlikely event of a mass animal mortality incident, the county will follow the disaster response plan.

## COST ANALYSIS

Yancey County's solid waste management programs are paid for out of the county's general fund, and tipping fees collected for non-residential solid waste. Additional revenue comes from reimbursements from the State's Tire Tax and White Goods Tax funds, and from the sale of recyclables and scrap metal.

<u>Revenues (FY 10-11)</u>	<u>Yancey County</u>	<u>Mitchell and Yancey</u>
Tipping Fees	\$229,547.00	\$841,421.00
Sale of Recyclables	\$207,305.00	
Sale of Scrap Metal	\$39,328.35	
State Tire Tax Reimb.	\$19,836.00	
State White Goods Tax Reimb.	\$5,958.32	
General Fund	\$1,009,440.41	
<b>TOTAL REVENUES</b>	<b>\$1,323,276.00</b>	

<u>Expenditures (FY 10-11)</u>	<u>Yancey County</u>	<u>Mitchell and Yancey</u>
Transfer/Disp. Fee to Waste Mgmt.	\$718,501.00	\$1,330,375.00
Collection Fees to GDS	\$207,305.00	
Operation of Transfer Station	\$88,378.50	\$176,757.00
Operation of Convenience Centers	\$309,091.00	
<b>TOTAL EXPENDITURES</b>	<b>\$1,323,276.00</b>	

The county purchased a skid loader for recyclables. In 2010, the county purchased a horizontal baler, additional recycling collection units and motor oil and oil filter collection apparatus. In May 2012, the county contracted with a vendor to replace the truck scales at the transfer station. The condition of current county solid waste infrastructure and equipment is good. Within the next ten years, the county will evaluate the need to expand the transfer station, as well as the need to purchase new recycling processing equipment.

## **Executive Summary**

Yancey County will continue to provide all county citizens with waste collection services and waste reduction opportunities through the six convenience centers, and the transfer station. Projected growth in the county does not warrant additional collection sites at this time. The current recycling methods will continue and be maintained. The county has a mulching operation at the transfer station to provide mulch to county residents at little or no cost. Current procedures for handling special wastes are adequate and will continue.

With a per capita disposal rate of 0.64 for FY 2004-05, the 2006 goal was achieved. Therefore, the County retained the FY 2012-2013 goal of 40%, and set a new FY 2015-2016 goal of 40% as well.

Yancey County's FY 2007-08 per capita disposal rate was 0.79. Yancey County's 2010-11 per capita disposal rate was 0.65, a decrease of 17.7% compared to FY 07-08.

The County's new FY 2018-19 will be 40%.

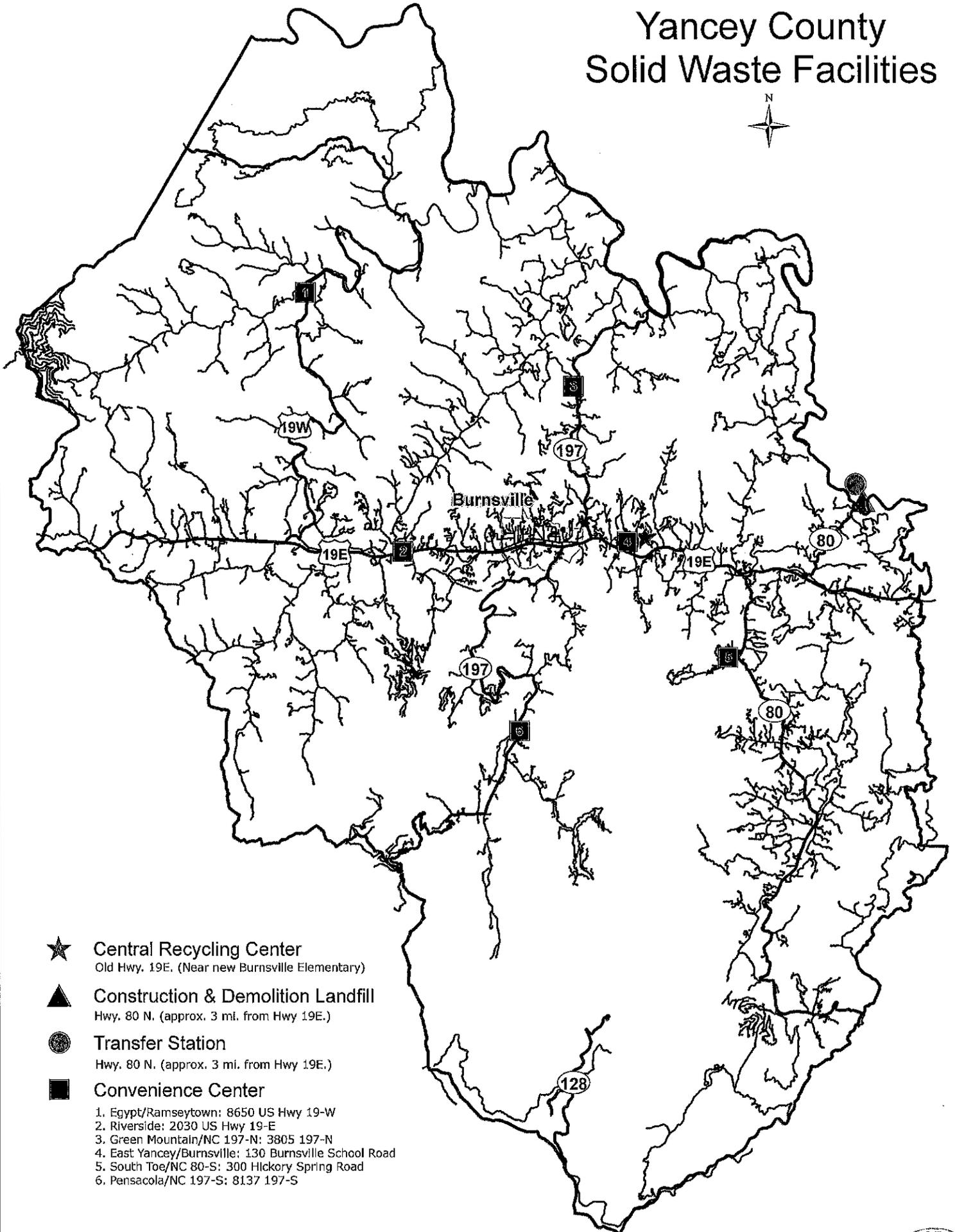
## **Yancey County Waste Reduction Goals**

- Goal 1.** To meet the County's waste reduction goals.
- Goal 2.** To provide everyone in the community with efficient and cost-effective waste collection services and waste reduction opportunities.
- Goal 3.** To increase the efficiency and cost effectiveness of the solid waste program.
- Goal 4.** To provide educational materials to businesses and communities wishing to increase the effectiveness of their solid waste reduction programs.
- Goal 5.** To protect public health and the environment.

### Summary of Waste Stream

<b>Element</b>	<b>Tonnage</b>	<b>Percent of Total</b>
Newsprint	29.53	0.25
Glass	100.9	0.86
Total Plastic	22.09	0.19
Aluminum Cans	3.89	0.03
White Goods	277.84	2.38
Cardboard	23.4	0.20
Mixed Paper	45.79	0.39
Wood Pallets	76.3	0.65
Subtotal	579.74	
<b>Grand Total</b>	<b>11,668</b>	

# Yancey County Solid Waste Facilities



**Central Recycling Center**  
Old Hwy. 19E. (Near new Burnsville Elementary)



**Construction & Demolition Landfill**  
Hwy. 80 N. (approx. 3 mi. from Hwy 19E.)



**Transfer Station**  
Hwy. 80 N. (approx. 3 mi. from Hwy 19E.)



**Convenience Center**

1. Egypt/Ramseytown: 8650 US Hwy 19-W
2. Riverside: 2030 US Hwy 19-E
3. Green Mountain/NC 197-N: 3805 197-N
4. East Yancey/Burnsville: 130 Burnsville School Road
5. South Toe/NC 80-S: 300 Hickory Spring Road
6. Pensacola/NC 197-S: 8137 197-S

0 1 2 4 Miles



**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

PLANNING YEARS 2012 through 2022

Check appropriate element

- |   |   |   |   |  |
|---|---|---|---|--|
| <input checked="" type="checkbox"/> Reduction             | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions are planned.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

**PLANNING YEARS 2012 through 2022**

Check appropriate element

- |  |   |   |   |  |
|--|---|---|---|--|
| <input type="checkbox"/> Reduction                                   | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection    |
| <input checked="" type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching                     | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			Solid waste will continue to be transferred outside the county within the timeframe of this planning document.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

**PLANNING YEARS 2012 through 2022**

Check appropriate element

- |   |   |   |   |  |
|---|---|---|---|--|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                          | <input checked="" type="checkbox"/> Disposal          | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			Solid waste will continue to be transferred outside the county within the timeframe of this planning document.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

PLANNING YEARS 2012 through 2022

Check appropriate element

- |   |  |   |   |  |
|---|--|---|---|--|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                                     | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input checked="" type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery             | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions are planned.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

**PLANNING YEARS 2012 through 2022**

Check appropriate element

- |   |   |   |   |   |
|---|---|---|---|---|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection               |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input checked="" type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |   |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions are planned.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

**PLANNING YEARS 2012 through 2022**

Check appropriate element

- |   |   |   |   |  |
|---|---|---|---|--|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                          | <input checked="" type="checkbox"/> Illegal Disposal/Litter               | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions are planned.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

**PLANNING YEARS 2012 through 2022**

Check appropriate element

- |   |   |   |  |  |
|---|---|---|--|--|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                                | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input checked="" type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse                     |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions are planned.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

PLANNING YEARS 2012 through 2022

Check appropriate element

- |   |   |   |   |  |
|---|---|---|---|--|
| <input type="checkbox"/> Reduction                        | <input checked="" type="checkbox"/> Disaster Response               | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
Yancey County has updated its Disaster Response Plan to include staging sites at the 6 County convenience centers and mass animal mortality events.					

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

PLANNING YEARS 2012 through 2022

Check appropriate element

- |   |   |  |   |  |
|---|---|--|---|--|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                                     | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input checked="" type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes                  | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
Contractor selected, program underway.					

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

**PLANNING YEARS 2012 through 2022**

Check appropriate element

- |   |   |  |   |  |
|---|---|--|---|--|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                               | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions      | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input checked="" type="checkbox"/> Management of Abandoned Manufactured Homes | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions anticipated.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

**PLANNING YEARS 2012 through 2022**

Check appropriate element

- |   |   |   |   |  |
|---|---|---|---|--|
| <input type="checkbox"/> Reduction                          | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area   | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input checked="" type="checkbox"/> Composting and Mulching | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions anticipated.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

**PLANNING YEARS 2012 through 2022**

Check appropriate element

- |   |   |   |   |  |
|---|---|---|---|--|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                     | <input checked="" type="checkbox"/> Collection |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste         |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions anticipated.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

**PLANNING YEARS 2012 through 2022**

Check appropriate element

- |   |   |   |   |  |
|---|---|---|---|--|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                          | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                       | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products   | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input type="checkbox"/> Incineration with/without energy recovery  | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input checked="" type="checkbox"/> Recycling and Reuse |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions anticipated.		

**PLANNING ELEMENTS**  
**NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN**

PLANNING YEARS 2012 through 2022

Check appropriate element

- |   |   |   |   |  |
|---|---|---|---|--|
| <input type="checkbox"/> Reduction                        | <input type="checkbox"/> Disaster Response                                    | <input type="checkbox"/> Illegal Disposal/Litter                          | <input type="checkbox"/> Disposal                     | <input type="checkbox"/> Collection    |
| <input type="checkbox"/> Transfer outside geographic area | <input type="checkbox"/> Education with community & through schools           | <input type="checkbox"/> Collection of Computer Equipment and Televisions | <input type="checkbox"/> Purchasing Recycled Products | <input type="checkbox"/> Special Waste |
| <input type="checkbox"/> Composting and Mulching          | <input checked="" type="checkbox"/> Incineration with/without energy recovery | <input type="checkbox"/> Management of Abandoned Manufactured Homes       | <input type="checkbox"/> Recycling and Reuse          |  |

COMPLETED ACTIONS	INCOMPLETE ACTIONS		NEW / REVISED ACTIONS		
KEY ACTIONS	KEY ACTIONS	WHY INCOMPLETE?	KEY ACTIONS	DATE DUE	ESTIMATED TONS DIVERTED IN 10TH YEAR
			No new or revised actions anticipated.		