

REQUEST FOR BOARD ACTION

HENDERSON COUNTY BOARD OF COMMISSIONERS

MEETING DATE: May 20, 2009

SUBJECT: **Public Hearing on and Adoption of the Triennial Update of the Henderson County Ten Year Solid Waste Management Plan**

ATTACHMENTS: Yes

1. Proposed resolution
2. Proposed Update to the Ten Year Solid Waste Plan

SUMMARY OF REQUEST:

NCGS 130-A309.09A(b) requires that each local government develop a 10-year comprehensive solid waste management plan. The statute further requires that each plan shall be updated at least every three years.

The Solid Waste Advisory Committee has reviewed the draft update and recommended its adoption. The current update incorporates the Twenty Vision for Solid Waste adopted by the Board last May. Waste reduction goals have been increased from the 5% identified in the previous version to a waste reduction goal of 20% by FY 2014 and 40% by FY 2019. It is noted in the plan document that work is continuing on the Solid Waste Master Plan with SWAC, a consultant, and staff. The implementation of the Master Plan and related policies will allow the County to approach the five year goal. Further reduction efforts will be explored in the second five year period.

One plan, the update, is regulatory driven and must be adopted by Henderson County, and the municipalities of Hendersonville, Fletcher, and Laurel Park. (Mills River and Flat Rock are exempt.)

The Master Plan process was initiated by the County and the plan will be presented to the Board soon after the beginning of the fiscal year. Thus, specific elements of the plan are not reflected in the update. If these elements are approved by the Board, they will be included in the next triennial cycle of the regulatory plan.

BOARD ACTION REQUESTED: Receive comments from the public on the proposed update to the Ten Year Solid Waste Plan. Following the public hearing, the Board is requested to adopt the plan.

Suggested Motion:

I move that the Board adopt the Triennial Update to the Henderson County Solid Waste Management Plan.

**RESOLUTION ACCEPTING AND ENDORSING THE SOLID WASTE
MANAGEMENT PLAN OF 2009 FOR HENDERSON COUNTY:**

WHEREAS, it is a priority of this community to protect human health and the environment through safe and effective management of municipal solid waste;

WHEREAS, the reduction of the amount and toxicity of the local waste stream is a goal of this community;

WHEREAS, equitable and efficient delivery of solid waste management services is an essential characteristic of the local solid waste management system;

WHEREAS, it is a goal of the community to maintain and improve its physical appearance and to reduce the adverse effects of illegal disposal and littering;

WHEREAS, involvement and education of the citizenry is critical to the establishment of an effective local solid waste program;

WHEREAS, the State of North Carolina has placed planning responsibility on local government for the management of solid waste;

WHEREAS, NC General Statute 130A-309.09A(b) requires each unit of local government, either individually or in cooperation with other units of local government, to update the Ten Year Comprehensive Solid Waste Management Plan at least every three years;

WHEREAS, the Henderson County Engineering Department and the Solid Waste Advisory Committee have undertaken and completed a long-range planning effort to evaluate the appropriate technologies and strategies available to manage solid waste effectively;

NOW, THEREFORE, BE IT RESOLVED, by the Henderson County Board of Commissioners:

That Henderson County's 2009 Ten Year Comprehensive Solid Waste Management Plan is accepted and endorsed and placed on file with Clerk to the Board.

THIS is the 20th day of May, 2009.

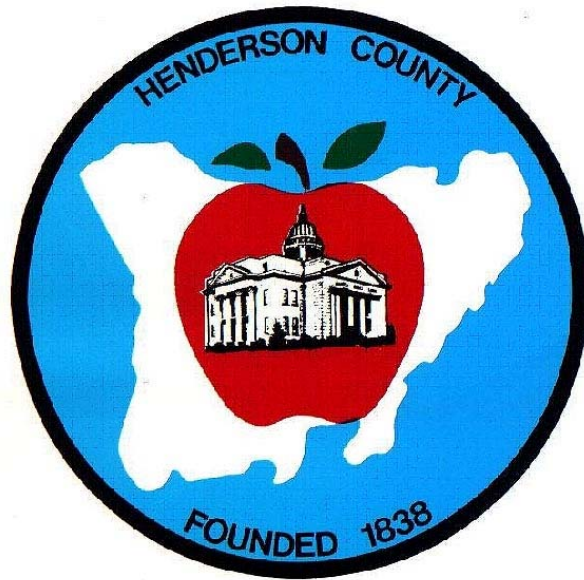
HENDERSON COUNTY BOARD OF COMMISSIONERS

**BY: _____
William L. Moyer, Chairman**

ATTEST:

[OFFICIAL SEAL]

Teresa L. Wilson, Clerk to the Board



Henderson County Ten Year Solid Waste Management Plan

2009 Update

Henderson County Solid Waste Division
800 Stoney Mountain Road
Hendersonville, North Carolina 28791

Henderson
 **County**
 **Recycles** 

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2009 Update to the Henderson County 10 Year Solid Waste Management Plan

Executive Summary

An effective Solid Waste Department is essential to providing a quality standard of living to the Citizens of Henderson County. Without it, we risk health challenges, unmanageable costs, and harm to our environment. Effective solid waste management is a very important part of growth management. Henderson County Solid Waste is providing this service through a focus on the following: value, compliance and environmental stewardship. The 2008 Ten Year Vision for solid waste outlines the solutions to continue and improve on the department's focus.

The solution to moving forward over the next ten years is not a new revolutionary process, but is our current process with a new perspective. Our current operation needs to be refined to create greater efficiencies and cost savings. There is no new technology on the solid waste horizon that is both feasible and proven. Furthermore, the challenges grow every year. We face increasing costs in operation from unstable fuel costs to more aggressive regulation from the State. However, we must still provide excellent customer service and value to our customers and the citizens of Henderson County. The two greatest opportunities lie with the county's private haulers and recycling.

Henderson County Solid Waste is an enterprise fund separate from the general fund and property taxes. The Solid Waste Capital Improvement Plan developed last year indicates that is possible to continue into the future as a self-supported county function. This is not the case for many solid waste operations and the significant difference between Henderson County and the others is our partnership with the existing network of private haulers. The county's solid waste collection is done largely by private entrepreneurs providing weekly collection service, available to residents as an alternative to transporting their waste to the county facility. Collection of solid waste is expensive and private enterprise and the laws of supply and demand are a potential way to control costs. We need to continue this partnership and help the collection network when possible.

In addition to the private haulers, the most potential for overcoming increasing cost and achieving compliance is recycling. Recycling is no longer just an environmental stewardship opportunity, it is a process that removes material from our waste stream, reduces disposal costs and generates revenue. While the recycling markets fluctuate, there is notable indication recycling will continue to provide an effective means of reducing disposal costs and generating revenue. The recycling markets and number of

end users for recycled products disposal have grown into a strong industry. Furthermore, effective recycling efforts are continuing to be a necessary tool in maintaining compliance with current and new State regulations. Henderson County has established a 40% solid waste reduction goal for FY 2019 through improvements to recycling and other programs. An intermediate reduction goal of 20% is established for FY 2014.

Henderson County Solid Waste Vision

The County's Strategic Plan in Strategy 4.4 (Address solid waste management issues including recycling and upcoming pertinent solid waste legislation) and under the leadership of Katie Breckheimer, chairperson, the Solid Waste Advisory Committee and staff have developed the twenty year vision for Henderson County Solid Waste. The plan details the importance of investing and developing recycling in Henderson County and developing the partnership with the County's permitted private haulers. While the challenges ahead for Solid Waste are significant, the plan provides a path that meets the challenges and maintains Solid Waste operations as an enterprise fund separate from the general fund.

Henderson County Solid Waste Program Overview

Henderson County does not provide any collection services and does not control collection of solid waste. The City of Hendersonville and Town of Fletcher operate waste collection services for their residents. The Town of Laurel provides the same service through a contractor. All three municipalities contract for the weekly curbside collection of recyclables to all residents.

Henderson County closed its municipal solid waste (MSW) landfill at the end of 1997 and began the transfer of MSW to a private out-of-state landfill owned and operated by Waste Management, Inc. in Spartanburg, SC. The county operates one solid waste transfer station located on Stoney Mountain Road in the central part of the county. The Solid Waste Transfer Station receives MSW, Construction & Demolition (C&D) Waste, White Goods (Scrap Metals), Scrap Tires, Wood & Yard Waste, and household recyclables. All solid waste materials are transferred to other facilities. The county also operates a Solid Waste Enforcement program and one recycling center for household recyclables. A description of each of the waste streams and method of operation follows:

MSW - The MSW is transferred to the Palmetto Landfill by contract with Waste Management, Inc. The current contract is through 2010 and Waste Management has informed the county that they would be able to serve the county at the Palmetto Landfill or other Waste Management Landfills for an additional 10 years (See Capacity letter, Appendix). The Palmetto Landfill will be available for about another 5 years, and Waste Management is developing a new landfill just South of Spartanburg S.C. to replace the Palmetto facility. Current tipping fee for MSW is \$52 per ton and cost for transportation and disposal at the Palmetto Landfill is \$33.47/ton. 63,862 tons of MSW were processed through the Henderson County Solid Waste Transfer Station for FY 2007-08 and 22,783 tons of C&D waste were disposed at the Henderson County C&D Landfill.

C&D - On June 30, 2008 the county closed the C&D Landfill at the Stoney Mountain Road Solid Waste Facility. Since the closure of the C&D Landfill, this waste stream has been transferred out of the county as a part of the disposal contract with Waste Management, Inc.

White Goods - White Goods (appliances) and scrap metal are accepted at Stoney Mountain at no charge. During FY 2007-08 approximately 1,459 tons were collected. County staff manages the white goods area, stockpiling the material until it is ready for shipment. Those appliances which potentially contain Freon are segregated. The county hires a scrap processing contractor to remove the Freon and then haul all the metal to a regional market. Currently the county receives revenue from the sale of this material based on market values.

Tires - The county received 1,802 tons of scrap tires in FY 2008. This is approximately 180,200 tires. Tires are manually loaded into transport trailers belonging to US Tire, Inc.

US Tire ships the scrap tires to their facility in Concord, N.C for processing and disposal. A disposal tax is collected on the sale of new tires in North Carolina. The tax is collected at the point of sale and managed by the NC Department of Revenue. Proceeds from the tax are distributed to the counties to pay for the scrap tire disposal program. The tire tax does not cover the entire cost; specifically the tax does not cover the cost to manually load tires into trailers for shipment. This results in the tire program having to be supplemented from tipping fees collected for other waste streams.

Wood & Yard Waste - Wood & Yard Waste is received at the transfer station at approximately 849 tons/year. The current tipping fee for this material is \$52 per ton. A local contractor is hired semiannually for the grinding of this material to mulch. The mulch is given to the public at no charge for use as landscape material.

Household Recyclables - The county operates one recycling center for household recyclables, waste oil, and antifreeze. The current program allows citizens to drop off recyclables and an equal amount of MSW at no charge. The recyclables include containers (glass, metal, and plastic (bottles, jars and jugs)) and fiber (cardboard, news paper, and mixed paper). Approximately 515 tons of containers and 1,348 tons of fiber were collected during FY 2007-08. Also 9,626 gallons of waste oil and 10,000 gallons of antifreeze were collected. Containers and fiber are shipped to Greenville, S.C. to a material recovery facility (MRF) operated by American Recycling, LLC. The county pays for the transportation of the material to the MRF and receives market value upon delivery. In the first four months of FY 2008 the market rates were sufficient for the county to receive \$80,000, the budgeted income for the year. This period was followed immediately by a downturn in the recycling commodity markets that reflected the decline in the larger world economy. During the preparation of this document, prices were so depressed that fiber sold near zero and mixed containers arrive at the market with a price to unload of approximately \$20 per ton. While short term fluctuations in commodity markets make budgeting difficult, the secular trend indicates a continued strengthening of the value of the recovered materials.

There is an undocumented incentive program at the Stoney Mountain recycling collection center where a bag of waste may be deposited free with an accompanying bag of recyclables diverted from disposal. The free MSW disposal allowed in the recycling center is costing the county in excess of \$250,000 per year. The program is subject to frequent abuse and enforcement is difficult. As waste and recycling are usually delivered in different container types, the determination of "bag for bag" becomes subjective. A reconsideration of the value of the incentive is needed.

Some of the private waste hauling companies also offer curbside recycling to their customers. Most of this material is transported by the collector to a recovery facility in Woodfin, NC operated by Curbside Management. Since this material is being transferred out of the county and does not come through the Henderson County facility, Henderson County is not reporting this volume of recyclables on reports to the NC Department of Environment and Natural Resources. Hence, Henderson County's recycling rate is slightly better than indicated in the state annual reports.

The Henderson County Engineering Department, as directed by the Board of Commissioners, is preparing a plan to improve recycling collection. Proposed improvements to the collection center will be designed in late 2009. A central portion of the plan will be a facility that accepts source separated, mixed and single stream recyclable materials from private local haulers, allowing their trucks a mechanism by which to collect and deposit single stream material. The implementation of this plan, combined with an effort to develop a partnership with the private haulers will result in improved efficiency and, most importantly, will make recycling collection available to all households in Henderson County.

MUNICIPAL RECYCLING PROGRAMS

The municipalities in the county run various recycling programs. These are as follows:

City of Hendersonville

Hendersonville currently contracts with Curbside Management out of Asheville to collect household recyclables including glass, plastic, metal cans & containers, mixed paper, cardboard and newsprint. During FY 2007-08 the city collected 1,021 tons of materials. Curbside operates their own MRF and markets their materials. There are no known plans to change this system. Current cost to operate this program is \$167.09/ton.

Town of Fletcher

Fletcher also contracts with Curbside Management out of Asheville to collect household recyclables including glass, plastic, metal cans & containers, and newsprint. During FY 2007-08 the town collected 303 tons of materials. Curbside operates their own MRF and markets their materials. There are no known plans to change this system. Current cost to operate this program is \$180/ton. Beginning March 1, 2009 Fletcher Public Works ceased to accept corrugated cardboard in the weekly MSW collection. An increase in recycling participation resulted.

Town of Laurel Park

The Town of Laurel Park contracts with GDS to collect household recyclables including glass, plastic, metal containers, newsprint and magazines. GDS contracts with Curbside Management out of Asheville for processing these recyclables. During FY 2007-08 GDS collected 96 tons of material. There are no known plans to change this system. Current cost to operate this program is \$147/ton.

Village of Flat Rock and Town of Mills River

The Village of Flat Rock and Town Mills River do not operate solid waste collection programs. Individuals contract with any waste hauling company.

Waste Hauling Companies

Some of the private waste collection companies, locally referred to as private haulers, offer recycling services to their customers in the unincorporated areas of the county. These recyclables do not come through the Henderson County Solid Waste Transfer Station but are hauled directly to Curbside Management in Buncombe County. The private haulers currently pay Curbside Management \$23/ton to process these materials plus the cost of transporting.

OTHER PROGRAMS

Enforcement

The county handles enforcement of its Solid Waste Ordinance with two enforcement officers. One officer works off site handling approximately 200 complaints per year. The county also uses jail labor to assist with litter control at the transfer station and along highways. The Henderson County state prison located adjacent to the Stoney Mountain transfer station has been closed. This has resulted in the loss of prison labor, which has adversely affected the litter and roadside cleanup programs.

Solid Waste Collection

The collection of solid waste is performed by private haulers or municipal public works departments. The county does not provide any collection services.

Enterprise Fund

The Henderson County Solid Waste Department is operated as an Enterprise Fund. The fund receives revenue from tipping fees, sale of scrap metal, white goods tax, and tire tax. There is no revenue from the county general fund (property taxes or sales taxes) provided to the enterprise fund. This being the case, the revenues are highly dependent on the Solid Waste Facility receiving sufficient solid waste, which generates revenue through the tipping fees. Three private haulers provide recycling services to the extra-municipal households in addition to the county's recycling center. Hendersonville, Fletcher, and Laurel Park also offer recycling services through an independent contractor. All of these recycling programs along with the county's white goods, wood & yard waste, and tire programs will contribute to the county's previously established 5% solid waste reduction goal. In recent years this goal has not been met. The following is a summary of the tons disposed, population, disposal rates, percent reduction and lbs./person/day for Henderson County.

YEAR	TONS DISPOSED	POPULATION	PER CAPITA DISPOSAL RATE	% REDUCTION	LBS/PERSON PER DAY
91/92	81,498	71,185	1.14		6.54
92/93	77,761	72,252	1.08	6%	6.15
93/94	71,570	73,356	0.98	15%	5.58
94/95	75,896	75,096	1.01	12%	5.78
95/96	68,950	76,250	0.90	21%	5.17
96/97	87,522	77,558	1.13	1%	6.45
97/98	95,125	79,148	1.20	-5%	6.87
98/99	87,636	80,562	1.09	5%	6.22
99/00	94,280	82,396	1.14	0%	6.54
00/01	95,443	89,173	1.07	7%	6.12
01/02	97,650	91,544	1.07	7%	6.10
02/03	104,249	92,988	1.12	2%	6.41
03/04	116,840	94,496	1.24	-8%	7.07
04/05	119,866	96,124	1.25	-9%	7.13
05/06	133,618	97,792	1.37	-19%	7.81
06/07	123,284	100,107	1.23	-8%	7.04
07/08	116,850	102,142	1.14	0%	6.54
YEAR	PROJECTED	PROJECTED	PROJECTED		PROJECTED
13/14	124,329	114,589	0.91	20%	5.23
18/19	134,533	123,993	0.68	40%	3.92

Reduction

Henderson County promotes source reduction through backyard composting. Information about setting up and operating home composting is available from the Solid Waste Division. Home compost units are available for sale at the Stoney Mountain Activity Center. Columns in the Hendersonville Times News featuring how to set up home composting are published each spring.

Henderson County Engineering Department employs a full time Sustainability Coordinator. The coordinator directs a public education program which encourages waste reduction, reuse and recycling. Among the services provided by this office, the coordinator, working with the Waste Reduction Partners, visits businesses and organizations providing technical support for the development of internal programs leading to waste reduction.

Collection

Hendersonville and Fletcher each operate residential waste collection, providing weekly service to all residential units. Laurel Park contracts with GDS for the same service.

In the unincorporated areas of the county and in the areas incorporated into Mills River and Flat Rock, a group of private haulers make residential waste collection services available. There are approximately eighteen firms providing residential service in Henderson County.

Many haulers compete for customers in the same neighborhoods, sometimes resulting in inefficient routes for the haulers.

An annual forum has been established with the operators of local residential waste collection companies. The SWAC is working toward establishing a network with the existing haulers that is efficient and provides waste and recycling collection services to the community. The committee is identifying and evaluating different approaches for improvements in the residential collection. A local consulting firm has been employed for support on this project. A final report is expected in late 2009.

Henderson County operates a waste collection center at the Stoney Mountain facility. Residents and businesses may bring waste to this center, should they choose not to hire a private hauler's services. An average of 450 cars per day uses the collection center for waste and recycling.

Commercial collection is handled entirely in the private sector. Approximately twenty local firms are permitted by the Henderson County Engineering Department for commercial waste collection.

Recycling and Reuse

Henderson County Engineering Department employs a full time Sustainability Coordinator. The coordinator directs a public education program which encourages waste reduction, reuse and recycling.

Planning for process center to accept single stream materials is in development. Implementation is expected in FY 2011.

Making recycling collection available county wide working through the network of private haulers is a goal for the SWAC set forth in the Solid Waste Vision adopted by the Board of Commissioners in May 2008. The committee is working with the private haulers and a consultant to develop methodology which can meet this goal.

Composting and Mulching

The Solid Waste Division is promoting home composting through education and distribution, at cost, of home units designed for residential composting.

Development of a composting project at the Stoney Mountain facility is currently under consideration. This project will target the composting of select materials, specifically leaves and grass clippings. Start up is projected in 2010.

Incineration

Not under consideration in this planning period.

Transfer outside Geographic Area

The transfer of MSW to an out of county landfill will continue through the planning period of ten years. Waste Management has provided documents indicating available capacity through the planning period and beyond. As a step in the renewal of the contract with the company providing disposal, currently Waste Management, the county may consider proposals from other entities.

Disposal

No plans to develop a county landfill.

Education with the Community and through the Schools

In 2008 Henderson County hired a full time Sustainability Coordinator, whose responsibilities include community education. The coordinator has contacts with each of the 22 schools in the Henderson County Public School system. Working with each

designated contact the coordinator assists in developing in school recycling and providing curriculum and presentations in the schools. The Mobile Environmental Learning Center, a regional educational resource, is used frequently by the coordinator in presenting recycling background and participation at the school level.

Special Waste

Oil

Used motor oil is collected at the Stoney Mountain Collection Center.

Oil filters

Oil filter collection began as a pilot in February 2008 at the Stoney Mountain collection center. The success of this program leads the Solid Waste Division to improve the collection devices in early FY 2010 by providing clean, fiberglass, attractive units designed specifically for the collection and secure storage of used oil filters. By North Carolina statute, the disposal of used motor oil filters by landfilling will be prohibited after October 1, 2009. The division's improved devices will be in place prior to the deadline.

HHW

Henderson County has applied to the North Carolina Division of Pollution Prevention and Environmental Assistance for funding to support the establishment of a permanent facility for the collection of Household Hazardous Waste products. The facility would be constructed on county property at the Stoney Mountain Transfer Station. Select county staff would be trained in waste recognition and proper handling protocol. The facility will be available to Henderson County residents for their home generated products on a monthly basis and by appointment.

Paint

Liquid paint is not accepted at the Stoney Mountain transfer station. Citizens are instructed to dry paint, using cat litter, clay absorbent, or sawdust. Dried paint is accepted in the normal solid waste stream.

Antifreeze

Antifreeze is collected for recycling at the Stoney Mountain Collection Center.

Cooking oil

Cooking oil collection was initiated in February of 2009 at the Stoney Mountain Collection center.

Wooden pallets

Wooden pallets are separated from other waste and stored in a special area near the Stoney Mountain wood grinding. These pallets are available for reuse. Those pallets that are not claimed for reuse are ground into wood chips for use as mulch or boiler fuel.

Plastic bottles

Recycling collection is provided for plastic bottles at the Stoney Mountain collection center. Plastic bottles, other than those used for motor oil, are banned from landfill disposal by NC General Statute, effective October 1, 2009. The Sustainability Coordinator will prepare and release a public education program explaining the ban in August and September 2009.

Illegal Disposal/Litter

There is an aggressive program at the transfer station to enforce the county ordinance requiring all loads transported to be secured.

Any loads presenting that are not covered with a secure tarp are refused access, given information on the legal recourse for littering, and directed to a local store where tarps are for sale.

Tarp day

Working with NC DOT on the annual tarp day in October, HCSW distributes free tarps at the entrance to the to the transfer station. The tarps are given to customers who have tarped their load, but the tarp is showing age. For those loads failing to have made any attempt to cover, a citation is given by the HC Sheriff Department.

Division annual participation the NC DOT litter sweep.

Henderson County employs a full time code enforcement officer with the responsibility of illegal dumping, theft of service issues relating to waste management, and assists in enforcement of the county's trap requirements.

Purchasing Recycled Products

County has no program.

Animals

The Stoney Mountain Transfer Station accepts animal carcasses from non agriculture sources.

Disaster Response

In the event of a severe natural disaster, such as flooding or wind and/or ice damage, the designated staging area for waste generated in the disaster cleanup is located at the Stoney Mountain Solid Waste Facility. The existing yard waste/white goods area is the identified area to use in the event of an emergency. Additionally, the old fairgrounds off Hwy 176 are available as a backup for use in extreme situations. Solid Waste Division staff will operate the staging area, screening loads for unacceptable materials and directing material separation for maximum recovery. Wood waste will be diverted to the county mulching program. Masonry waste will be ground for aggregate. MSW will be prepared for shipment to the contracted disposal facility as a first priority. Metals may be extracted for recycling if possible without impeding the shipment of the MSW.

Abandoned Mobile Homes

(1) Identification Method

Henderson County began enforcement of a Public Health Nuisance Ordinance in September 2006. This ordinance prohibits abandoned manufactured homes as defined: (**Abandoned Manufactured Home** means a manufactured home that has not had legal power or was not properly connected to a permitted septic system and water supply in the last 6 months, not to be interpreted to include a manufactured home stored or parked in accordance with a valid zoning permit.) This ordinance is complaint driven and we give the violation the opportunity to permit the home to a livable condition or remove the home. There was a windshield survey performed in 2002 and approximately 80 abandoned manufactured homes were documented. An estimated 40 homes have been demolished in the two years that this ordinance has been in place. In that time there have been more homes that have become uninhabitable. There are at least 50 abandoned manufacture homes currently in Henderson County.

Once a complaint is received concerning an abandoned manufacture homes, the Code Enforcement Services Department investigates the complaint. If there is a home which has not been properly connected to utilities in the last six months, the property owner is issued a Notice of Violation (NOV). This violation allows the owner 30 days to permit the home or begin removal. If the property owner wishes to appeal the right to appeal is spelled out in the ordinance as stated below:

126-7.01 Right of Appeal. When a public nuisance is declared, an owner and/or an occupant of the affected property may appeal the declaration, including an order for abatement or remediation from the Department, by filing a written request with the Henderson County Zoning Board of Adjustment for an administrative hearing within ten calendar days of the date of service under sections 5.01. In the event of an unknown or

absent property owner, the appeal must be requested within ten calendar days of the day of posting of the notice under section 5.02.

Manufactured homeowners or other responsible parties may request designation of their home as an abandoned manufacture homes by calling or writing our office with that request. We have previously received several calls from property owners who had abandoned homes who were seeking assistance in removing those homes.

(2) Deconstruction Plan

Henderson County will conduct a Request for Proposal to find qualified demolition companies who can properly dispose of abandoned manufactured homes. There are currently two local companies who have provided this service on a private basis to homeowners and charged them directly. Either company would be able to provide this service at a reasonable cost. There may be other companies able to provide this service once we advertise for proposals. Code Enforcement staff will identify abandoned manufacture homes by complaint or request. Staff will inspect the home for contents and remove thermostats for mercury switches. The thermostats will be housed at the Henderson County Landfill and disposed with household hazardous waste. The private company would either demolish the home on site or transport to a specific location for demolition. Each company would be responsible for recycling any available metal (outer sheeting, frame, axles, white goods, panel boxes, and accessible wiring) and properly disposing of non-recyclable items at our transfer station or other approved locations.

Appendix A

County & Municipal Board Resolutions

TIMES-NEWS / FRIDAY, MAY 8, 2009 B5

**NOTICE OF
PUBLIC HEARING**

Notice is hereby given pursuant to NCGS 130-A309.09A(b) that the Henderson County Board of Commissioners will hold a Public Hearing on May 20, 2009 at 9:00 am in the Meeting Room of the Historic Courthouse at 1 Historic Courthouse Square, Hendersonville, NC. The purpose of the Public Hearing is to receive comments from the public on an update to the Ten Year Solid Waste Management Plan. For more information concerning the proposed plan contact Will Sagar, Solid Waste Manager at 800 Stoney Mountain Road, Hendersonville, NC 28791, or 828-697-4506. A copy of the Plan Update will be available for review from 7:30 am to 4:00 pm Monday through Friday at the Solid Waste Division office at 800 Stoney Mountain Road, Hendersonville, NC 28791. The public is invited to attend the Public Hearing and comment on the proposed Plan Update.

(5/8)

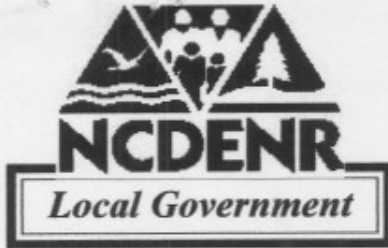
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Appendix C

Financial Analyses

Appendix C

Financial Analyses



Please Enter the Name of Your Local Government:
Henderson County

State of North Carolina

Department of Environment and Natural Resources
Division of Waste Management &

Division of Pollution Prevention and Environmental Assistance

Solid Waste Management Annual Report July 1, 2007 -- June 30, 2008

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, 2008.

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

Person Completing This Report: Will Sagar Title: Solid Waste Manager
Mailing Address: 802 Stoney Mountain Road City: Hendersonville Zip: 28791
Phone: (828) 697-4506 Fax: (828) 698-5154 Date: 8/13/08
Email: sagar@hendersoncountync.org

General Instructions

Please remember that the time period for the report is JULY 1, 2007 through JUNE 30, 2008. Please check "No" if you have nothing to report for a specific question.

1. Did your local government have a Recycling Coordinator or similar position for FY 07-08? Yes No

Name Recycling Coordinator (if different from person completing this report.)

Name: Adrienne Outcalt Title: Sustainability Co-ordinator
Address: 213 First Avenue East City: Hendersonville Zip: 28792
Telephone: 8286946524 Fax: 8286985154 Email: aoutcalt@hendersoncountync.org

2. Did your local government have a Solid Waste Director or similar position for FY 07-08? Yes No

If Yes, Name: Will Sagar Title: Solid Waste Manager
Address: 802 Stoney Mountain Road City: Hendersonville Zip: 28791
Telephone: 8286974506 Fax: 8286985154 Email: sagar@hendersoncountync.org

3. Did your local government have **dedicated or part-time** Enforcement Staff for FY 07-08? Yes No

If Yes, Name: Thomas McGraw Title: SW Enforcement Officer
Address: 100 N King St City: Hendersonville Zip: 28792
Telephone: 8286974857 Fax: 8286974658 Email: tmcgraw@hendersoncountync.org

4. Did your local government manage, provide or contract for any solid waste services in FY 2007-08 (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

5. 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: 48,500
- b*. Municipal Waste Disposal - Total Tonnage of MSW Disposed by the Local Government: 86,645
- c. Reduction, Reuse, Recycling - Number of Households served by the Recycling Program: 48,500
- d*. Reduction, Reuse, Recycling - Total Tonnage of Recyclables Recovered by the Local Government: 1,863
- e. Mulching/Composting - Number of Households Served by the Mulching/Composting Program: 48500
- f*. Mulching/Composting - Total Tonnage Handled by the Mulching/Composting Program: 849

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. Solid Waste Collection	2. Municipal Solid Waste Disposal**	3. Reduction, Reuse and Recycling	4. Mulching, Composting and Other Programs	Total Cost
Program Cost*		4,570,144	100,000	50,000	4,720,144
Cost per Household***		94.23	2.06	1.03	97.32
Cost per Ton		52.75	53.67	58.89	52.82

* 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) = 4,720,144

Total Tonnage Managed (b+d+f) = 89,357

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

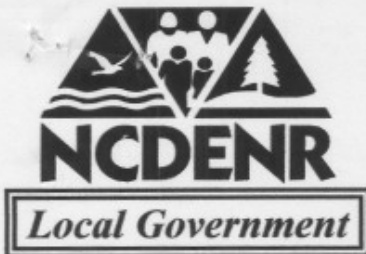
\$ _____ For solid waste services per year

\$ _____ 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.



Please Enter the Name of Your Local Government:
Hendersonville

State of North Carolina

Department of Environment and Natural Resources

Division of Waste Management &

Division of Pollution Prevention and Environmental Assistance

Solid Waste Management Annual Report

July 1, 2007--June 30, 2008

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, 2008.**

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 Environmental Senior Specialist.

Person Completing This Report: Tom Wooten Title: Director of Public Works
Mailing Address: 305 Williams St City: Hendersonville Zip: 28793
Phone: (828) 697-3084 Date: 8/7/2008
Fax: (828) 697-3089 E-Mail: twooten@cityofhendersonville.org

General Instructions

Please remember that the time period for the report is JULY 1, 2007, through JUNE 30, 2008. Please check "No" if you have nothing to report for a specific question.

1. Did your local government have a Recycling Coordinator or similar position for FY 07-08? Yes No
Name Recycling Coordinator (if different from person completing this report.)
Name/Title: _____ Title: _____
Address: _____ City: _____ Zip: _____
Telephone: () _____ Fax: () _____ E-mail: _____
2. Did your local government have a Solid Waste Director or similar position for FY 07-08? Yes No
If Yes, Name: Mike Cantrell Title: Sanitation Supervisor
Address: 305 Williams St City: Hendersonville Zip: 28793
Telephone: (828) 697-3084 Fax: (84828) 697-3089 E-mail: mcantrell@cityofhendersonville.org
3. Did your local government have **dedicated or part-time** Enforcement Staff for FY 07-08? Yes No
If Yes, Name: _____ Title: _____
Address: _____ City: _____ Zip: _____
Telephone: () _____ Fax: () _____ E-mail: _____
4. Did your local government manage, provide or contract for any solid waste services in FY 2007-08 (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

5. 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	4960
b*. Solid Waste Disposal:	Total tonnage disposed by the local government	4324
c. Reduction, Reuse, Recycling:	Number of households served by the recycling program	4960
d*. Reduction, Reuse, Recycling:	Total tonnage of recyclables recovered by the local government	1021
e. Mulching/Composting:	Number of households served by the program	4960
f*. Mulching/Composting:	Total tonnage handled by mulching/composting program	4100

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. Solid Waste Collection	2. Municipal Solid Waste Disposal**	3. Reduction, Reuse and Recycling	4. Mulching, Composting and Other Programs	Total Cost
Program Cost*	\$462,174.91	\$207,162.26	\$170,597.08	\$99,910.81	\$939,845.06
Cost per Household***	\$93.18	\$41.77	\$34.39	\$20.14	\$189.48
Cost per Ton	\$48.82	\$21.88	\$18.02	\$10.55	\$99.27

* 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) = \$939,845.06

Total Tonnage Managed (b+d+f) = 9,466.3

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

\$ _____ For solid waste services per year
 \$ \$160,597.08 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.



Local Government

Please Enter the Name of Your Local Government:
LAUREL PARK

State of North Carolina

Department of Environment and Natural Resources

Division of Waste Management &

Division of Pollution Prevention and Environmental Assistance

Solid Waste Management Annual Report

July 1, 2007--June 30, 2008

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, 2008.**

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 Environmental Senior Specialist.

Person Completing This Report: James W. Ball, Jr. Title: Town Manager
Mailing Address: 441 White Pine Drive City: Laurel Park Zip: 28739-0910
Phone: (828) 693-4840 Date: 8/7/08
Fax: (828) 696-4948 E-Mail: jball@laurelpark.org

General Instructions

Please remember that the time period for the report is JULY 1, 2007, through JUNE 30, 2008. Please check "No" if you have nothing to report for a specific question.

1. Did your local government have a Recycling Coordinator or similar position for FY 07-08? Yes No
Name Recycling Coordinator (if different from person completing this report.)
Name/Title: _____ Title: _____
Address: _____ City: _____ Zip: _____
Telephone: () _____ Fax: () _____ E-mail: _____
2. Did your local government have a Solid Waste Director or similar position for FY 07-08? Yes No
If Yes, Name: _____ Title: _____
Address: _____ City: _____ Zip: _____
Telephone: () _____ Fax: () _____ E-mail: _____
3. Did your local government have **dedicated or part-time** Enforcement Staff for FY 07-08? Yes No
If Yes, Name: _____ Title: _____
Address: _____ City: _____ Zip: _____
Telephone: () _____ Fax: () _____ E-mail: _____
4. Did your local government manage, provide or contract for any solid waste services in FY 2007-08 (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

5. 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	1150
b*. Solid Waste Disposal:	Total tonnage disposed by the local government	774
c. Reduction, Reuse, Recycling:	Number of households served by the recycling program	1150
d*. Reduction, Reuse, Recycling:	Total tonnage of recyclables recovered by the local government	96
e. Mulching/Composting:	Number of households served by the program	1150
f*. Mulching/Composting:	Total tonnage handled by mulching/composting program	1111

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. Solid Waste Collection	2. Municipal Solid Waste Disposal**	3. Reduction, Reuse and Recycling	4. Mulching, Composting and Other Programs	Total Cost
Program Cost*	85,284	37,082	14,076	8,592	145,034
Cost per Household***	74.16	32.25	12.24	7.47	126.12
Cost per Ton	110.19	47.91	146.63	7.73	73.21

* 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) = 145,034

Total Tonnage Managed (b+d+f) = 1,981

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

\$ 85,284 For solid waste services per year
\$ 14,076 For recycling per year
 OR
\$ 99,360 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.



Please Enter the Name of Your Local Government:
Town of Fletcher

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

Solid Waste Management Annual Report July 1, 2007 -- June 30, 2008

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, 2008.**

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

Person Completing This Report: Ronnie Frady Title: Public Works Director
Mailing Address: Hendersonville Road City: Fletcher Zip: 28732
Phone: 828-687-3985 Fax: 828-687-7133 Date: 8/15/2008
Email: r.fradyc@fletchernc.org

General Instructions

Please remember that the time period for the report is JULY 1, 2007 through JUNE 30, 2008. Please check "No" if you have nothing to report for a specific question.

- Did your local government have a Recycling Coordinator or similar position for FY 07-08? Yes No
Name Recycling Coordinator (if different from person completing this report.)
Name: _____ Title: _____
Address: _____ City: _____ Zip: _____
Telephone: _____ Fax: _____ Email: _____
- Did your local government have a Solid Waste Director or similar position for FY 07-08? Yes No
If Yes, Name: _____ Title: _____
Address: _____ City: _____ Zip: _____
Telephone: _____ Fax: _____ Email: _____
- Did your local government have **dedicated or part-time** Enforcement Staff for FY 07-08? Yes No
If Yes, Name: Ronnie Frady Title: Public Works Director
Address: 4005 Hendersonville Road City: Fletcher Zip: 28732
Telephone: 828-654-9208 Fax: 828-684-9894 Email: r.fradyc@fletchernc.org
- Did your local government manage, provide or contract for any solid waste services in FY 2007-08 (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

5. 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: 2,473
- b*. Municipal Waste Disposal - Total Tonnage of MSW Disposed by the Local Government: 2,039
- c. Reduction, Reuse, Recycling - Number of Households served by the Recycling Program: 2,473
- d*. Reduction, Reuse, Recycling - Total Tonnage of Recyclables Recovered by the Local Government: 303
- e. Mulching/Composting - Number of Households Served by the Mulching/Composting Program: 2,473
- f*. Mulching/Composting - Total Tonnage Handled by the Mulching/Composting Program: 2,672

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. Solid Waste Collection	2. Municipal Solid Waste Disposal**	3. Reduction, Reuse and Recycling	4. Mulching, Composting and Other Programs	Total Cost
Program Cost*	81,900	87,697	54,600	Included in MSW	224,197
Cost per Household***	33.12	35.46	22.08		90.66
Cost per Ton	40.17	43.01	180.20		44.71

* 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) = 224,197

Total Tonnage Managed (b+d+f) = 5,014

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

\$ _____ For solid waste services per year

\$54,600 _____ 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.

Appendix D

Waste characterization

MSW	Tons	Traffic Count
Flat fees (estimated)	8,663.42	40,810
ROADSIDE	19.02	
HB/H'V MSW	31.28	
D. O. T.	68.74	
DEMOLITION	22,807.39	
MUNICIPAL	64,087.69	
	95,677.53	

Yard Waste		
Flat fees	509.37	1,653
WOODWASTE	74.32	
YARD TRASH	833.08	
	1,416.77	

Appendix E

Planning Element Sheets

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 2019

- | | | | | |
|---|---|---|---|--|
| <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
Full time Sustainability Coordinator Promotion of Compostion Sale of compost bins			Hired February 2008 Launch in FY 2010 Started in FY 2009		

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 2019

- | | | | | |
|---|---|---|---|--|
| <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
Commercial Collection			Consider improving the convenience center Establish an improved network with the existing waste collection companies.	FY 2010 FY 2011	4,000 11,000

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 2019

- | | | | | |
|---|---|---|---|--|
| <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
<p>Started program</p> <p>Sustainability Coordinator</p>			<p>Develop a single stream process facility</p>	<p>2012</p>	

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 2019

- | | | | | |
|---|---|---|---|--|
| <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
			Compost yard waste	FY 2013	1,000

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 2019

- | | | | | |
|---|---|---|---|--|
| <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
Previously considered and deemed inappropriate			None		

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 20 19

- | | | | | |
|--|---|---|---|--|
| <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
<p>Contracted for disposal</p> <p>Bid contract change or renewal</p>			<p>Complete</p> <p>Prepare RFP</p>	<p>July 2010</p>	

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 2019

- | | | | | |
|---|---|---|---|--|
| <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
MSW Landfill closed 1998 C&D Landfill closed 2008			None		

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 20____ through 20____

- | | | | | |
|---|--|---|---|--|
| <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
Sustainability Coordinator hired Mobile Environmental Learning Center utilized			Continue and increase use of both		

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 20____ through 20____

- | | | | | |
|---|---|---|---|---|
| <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
<p>Oil collected at Stoney Mountain</p> <p>Antifreeze collected at Stoney Mountain</p> <p>Cooking oil collected at Stoney Mountain</p> <p>Wood Pallets are ground into mulch and fuel.</p> <p>Plastic bottles are collected at Stoney Mountain</p>	<p>Liquid Paint not accepted.</p> <p>Dry paint is not hazardous.</p>		<p>Oil Filter collection</p> <p>Permanent HHW collection</p>	<p>April 2010</p> <p>April 2010</p>	

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 2019

- | | | | | |
|---|---|---|---|--|
| <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
Aggressive tarp enforcement Tarp Day participation at Stoney Mountain Annual participation in the NC DOT Litter Sweep Full time code enforcement officer to respond to dumping activities					

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 2019

- | | | | | |
|---|---|---|--|--|
| <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 program			None		

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 20 19

- | | | | | |
|---|---|---|---|--|
| <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
Designated staging area identified					

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 20____ through 20____

- | | | | | |
|---|---|--|---|--|
| <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
One day collection events held			Permanent Recycling of Televisions and Electronics	FY 2010	

PLANNING ELEMENTS

NC LOCAL GOVERNMENT 10 YEAR SOLID WASTE MANAGEMENT PLAN

Check appropriate element

PLANNING YEARS 2009 through 2019

- | | | | | |
|---|---|--|---|--|
| <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
Survey performed in 2002			Code Enforcement Services Department manages removal		